APPENDIX D

ANALYTICAL RESULTS FOR PH, FLASHPOINT, TOTAL RCRA METALS, TCLP RCRA METALS

Table D-1

SUMMARY OF PH AND CYANIDE ANALYTICAL RESULTS
FOR CONTAINER SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	pH (Standard Units)	Cyanide (mg/kg unless otherwise listed)
EPA Region 9 PRGs (mg/kg / mg/l)			**na**	**35 / 0.0062**
Oregon Cleanup Concentrations (mg/kg / mg/l)			**na**	**40,000 / 0.02**
03050601	SSA / 55-gal. Drum # 0238	Liquid	**4.82 J**	---
03050602	SSA / 55-gal. Drum # 0239	Liquid	**0.11 J**	---
03050603	SSA / 55-gal. Drum # 0244	Liquid	ND	---
03050604	SSA / 55-gal. Drum # 0303	Liquid	**5.89 J**	---
03050605	SSA / 55-gal. Drum # 0304	Liquid	**5.71 J**	---
03050606	SSA / 55-gal. Drum # 0330	Liquid	**5.8 J**	---
03050607	MPA / Plating Vat # 499	Liquid	**2.13 J**	---
03050608	SSA / 55-gal. Drum # 0447	Liquid	**9.56 J**	---
03050609	SSA / 55-gal. Drum # 0450	Liquid	**11 J**	---
03050610	SSA / 55-gal. Drum # 0457	Liquid	**0.2 J**	---
03050611	MPA / Plating Vat # 493	Liquid	**1.5 J**	---
03050612	SSA / 55-gal. Drum # 0459	Liquid	**0.01 J**	---
03050613	SSA / 55-gal. Drum # 0421	Liquid	**8.14 J**	---
03050614	SSA / 55-gal. Drum # 0481	Liquid	**1.74 J**	---
03050615	SSA / 55-gal. Drum # 0477	Liquid	**1.12 J**	---
03050616	SSA / 55-gal. Drum # 0417	Liquid	**10.9 J**	---
03050617	SSA / 55-gal. Drum # 0460	Liquid	**1.71 J**	---
03050618	SSA / 55-gal. Drum # 0472	Liquid	**1.75 J**	---
03050619	SSA / 55-gal. Drum # 0454	Liquid	**0.96 J**	---
03050620	MPA / Plating Vat # 492	Liquid	**1.92 J**	---
03050622	SSA / 55-gal. Drum # 0694	Liquid	**11.1 J**	---
03050623	SSA / 55-gal. Drum # 0639	Liquid	**0.65 J**	---
03050624	MPA / Plating Vat # 620	Liquid	**0.28 J**	---
03050625	SSA / 55-gal. Drum # 0670	Liquid	ND	---
03050626	SSA / 55-gal. Drum # 0630	Liquid	**0.03 J**	---
03050627	MPA / Plating Vat # 589	Liquid	**9.93 J**	---
03050628	SSA / 55-gal. Drum # 0693	Liquid	**12.8 J**	---
03050629	SSA / 55-gal. Drum # 0691	Liquid	ND	---
03050631	SSA / 55-gal. Drum # 0647	Liquid	**12.6 J**	---
03050632	SSA / 55-gal. Drum # 0622	Liquid	ND	---
03050633	SSA / 55-gal. Drum # 0636	Liquid	**13.6 J**	---
03050634	MPA / 5-gal. Container # 0774	Liquid	**11.7 J**	---
03050635	MPA / 5-gal. Container # 0797	Liquid	**11.9 J**	---
03050636	MPA / 5-gal. Container # 0777	Liquid	**9.1 J**	---
03050637	MPA / 5-gal. Container # 0726	Liquid	ND	---
03050638	MPA / 5-gal. Container # 0709	Liquid	**5.55 J**	---
03050639	MPA / 5-gal. Container # 0754	Liquid	**14 J**	---

Table D-1

SUMMARY OF PH AND CYANIDE ANALYTICAL RESULTS
FOR CONTAINER SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	pH (Standard Units)	Cyanide (mg/kg unless otherwise listed)
EPA Region 9 PRGs (mg/kg / mg/l)			**na**	**35 / 0.0062**
Oregon Cleanup Concentrations (mg/kg / mg/l)			**na**	**40,000 / 0.02**
03050640	MPA / 5-gal. Container # 0787	Liquid	**2.5 J**	---
03050641	MPA / 5-gal. Container # 0758	Liquid	**0.93 J**	---
03050642	MPA / 5-gal. Container # 0824	Liquid	**7.07 J**	---
03050643	MPA / 5-gal. Container # 0805	Liquid	ND	---
03050644	MPA / 5-gal. Container # 0897	Liquid	**14.1 J**	---
03050645	MPA / 5-gal. Container # 0816	Liquid	**8.82 J**	---
03050646	MPA / 5-gal. Container # 0819	Liquid	ND	---
03050647	MPA / 5-gal. Container # 0952	Liquid	**1.25 J**	---
03050648	MPA / 5-gal. Container # 0931	Liquid	**0.91 J**	---
03050649	MPA / 5-gal. Container # 0975	Liquid	ND	---
03050650	MPA / 5-gal. Container # 0946	Liquid	**7.27 J**	---
03050651	MPA / 5-gal. Container # 0959	Liquid	**0.11 J**	---
03050652	NSA / 55-gal. Drum # 0989	Liquid	ND	---
03050653	MPA / 5-gal. Container # 1078	Liquid	**9.19 J**	---
03050654	NSA / 55-gal. Drum # 1016	Liquid	**13.8 J**	---
03050655	NSA / 55-gal. Drum # 1005	Liquid	**10.6 J**	---
03050656	MPA / 5-gal. Container # 1077	Liquid	**13.8 J**	---
03050657	MPA / 10-gal. Container # 1150	Liquid	ND	---
03050658	NSA / 55-gal. Drum # 1022	Liquid	**12.7 J**	---
03050659	MPA / 5-gal. Container # 1117	Liquid	ND	---
03050660	MPA / 5-gal. Container # 1186	Liquid	**0.53 J**	---
03050661	SSA / 55-gal. Drum # 0414	Liquid	**11.7 J**	**6,750 J**
03050662	MPA / 5-gal. Container # 0858	Liquid	**10.6 J**	**12,900 J**
03050663	SSA / 55-gal. Drum # 0416	Liquid	**13.1 J**	**34,700 J**
03050664	WWA / 55-gal. Drum # 0664	Liquid	**13.9 J**	2.36 UJ
03050665	WWA / 55-gal. Drum # 0623	Liquid	**10.1 J**	**53,000 J**
03050666	SSA / 20-gal. Container # 0206	Liquid	**11.6 J**	**32,400 J**
03050667	WWA / 55-gal. Drum # 0634	Liquid	**10.3 J**	**19,900 J**
03050668	WWA / 55-gal. Drum # 0676	Liquid	**11.2 J**	**82,100 J**
03050669	MPA / 5-gal. Container # 0869	Liquid	**11.6 J**	**13,600 J**
03050670	WWA / 55-gal. Drum # 0624	Liquid	**11.2 J**	**74,300 J**
03050671	SSA / 55-gal. Drum # 0414	Liquid	**13.3 J**	**30,700 J**
03050672	MPA / Plating Vat # 1049	Liquid	**10.7 J**	**10,200 J**
03050673	SSA / 55-gal. Drum # 0415	Liquid	**13.5 J**	**35,600 J**

Table D-1

SUMMARY OF PH AND CYANIDE ANALYTICAL RESULTS
FOR CONTAINER SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	pH (Standard Units)	Cyanide (mg/kg unless otherwise listed)
EPA Region 9 PRGs (mg/kg / mg/l)			**na**	**35 / 0.0062**
Oregon Cleanup Concentrations (mg/kg / mg/l)			**na**	**40,000 / 0.02**
03050674	SSA / 55-gal. Drum # 0259	Liquid	**0.22 J**	0.0250 UJ mg/l
03050675	MPA / 5-gal. Container # 0713	Liquid	**14 J**	0.0250 UJ mg/l
03050676	SSA / 55-gal. Drum # 0392	Liquid	**11 J**	**33,800 J mg/l**
03050677	SSA / 55-gal. Drum # 0419	Liquid	**12.9 J**	**4,600 J mg/l**
03050678	NSA / 55-gal. Drum # 0994	Liquid	**10 J**	**3,930 J mg/l**
03050679	WWA / 55-gal. Drum # 0626	Liquid	**15.8 J**	**1.7 J mg/l**
03050680	MPA / 5-gal. Container # 0860	Liquid	**13.3 J**	**19,400 J mg/l**
03050681	SSA / 55-gal. Drum # 0389	Liquid	**10.9 J**	**36,000 J mg/l**
03050682	MPA / 5-gal. Container # 0859	Liquid	**11.8 J**	**12,000 J mg/l**
03050683	SSA / 55-gal. Drum # 0391	Liquid	**11.1 J**	**91,400 J mg/l**
03050684	MPA / Plating Vat # 1202	Liquid	**10.5 J**	**107,000 J mg/l**
03050685	MPA / 55-gal. Drum # 1211	Liquid	**11.5 J**	**33,800 J mg/l**
03050686	MPA / 5-gal. Container # 0838	Liquid	**10.3 J**	**9,760 J mg/l**
03050687	MPA / 5-gal. Container # 0979	Liquid	**13.9 J**	**4,760 J mg/l**
03050688	SSA / 55-gal. Drum # 0396	Liquid	**13.3 J**	**59,200 J mg/l**
03050689	MPA / 5-gal. Container # 1232	Liquid	**6.11 J**	---
03050690	NSA / 55-gal. Drum # 1040	Liquid	**7.61 J**	---
03050691	MPA / 5-gal. Container # 0731	Liquid	**5.84 J**	---
03050692	MPA / 1-gal. Container # 1270	Liquid	**11 J**	---
03050693	MPA / 5-gal. Container # 0785	Liquid	**4.94 J**	---
03050694	NSA / 55-gal. Drum # 0999	Liquid	**7.91 J**	---
03050695	MPA / 1-gal. Container # 1216	Liquid	ND	---
03050696	MPA / 5-gal. Container # 1222	Liquid	**0.84 J**	---
03050697	MPA / 55-gal. Drum # 1310	Liquid	ND	---
03050698	MPA / 5-gal. Container # 1229	Liquid	**13.7 J**	---
03050699	MPA / 1-qt. Container # 1214	Liquid	**10.2 J**	---
03050700	MPA / 5-gal. Container # 1221	Liquid	**5 J**	---
03050701	MPA / 1-qt. Container # 1284	Liquid	**11.5 J**	**36,500 J**

Key:

---	= not analyzed for this parameter
EPA	= Environmental Protection Agency
gal	= gallon
J	= estimated quantity
mg/L	= milligrams per liter
mg/kg	= milligrams per kilogram
MPA	=Main Plating Area
ND	= not detected
NSA	= North Storage Area
PRG	= Preliminary remediation goal
qt	= quart
SSA	= South Storage Area
WWA	= Waste Water Area
U	= not detected above the indicated detection limit
UJ	= estimated detection limit

Table D-2

SUMMARY OF PH, FLASHPOINT, AND CYANIDE ANALYTICAL RESULTS
FOR LIQUID, WASTE, AND SLUDGE SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	pH (Standard Units)	Flash Point (degrees Fahrenheit)	Cyanide (mg/kg except as noted)	
					Total	Amenable
EPA Region 9 PRGs			**na**	**na**	**35 mg/kg 6.2 ug/l**	**na**
Oregon Cleanup Concentrations			**na**	**na**	**40,000 mg/kg 20 ug/l**	**na**
03050702	MPA / Composite of CN Vats	Liquid	**10.4 J**	---	**1,450 J mg/l**	---
03050703	MPA / Composite of Base Oxidizer Vats	Liquid	**12.3 J**	---	0.0200 UJ mg/l	---
03050704	MPA / Composite of Base Vats	Liquid	**7.55 J**	---	**1.11 J mg/l**	---
03050705	MPA / Composite of Acid Oxidizer Vats	Liquid	**0.09 J**	---	**4.88 J mg/l**	---
03050706	MPA / Composite of Cr^{+6} Vats	Liquid	**2.61 J**	---	**0.0408 J mg/l**	---
03050707	MPA / Composite of Acid Vats	Liquid	**0.61 J**	---	**0.0308 J mg/l**	---
03050708	SSA / Vacuum truck	Liquid	**2.21 J**	---	**0.572 J mg/l**	---
03050709	SSA / Vacuum truck	Liquid	**3.71 J**	---	**0.034 J mg/l**	---
03050710	SSA / Base Oxidizer drum composite	Liquid	**10.7 J**	---	**5,360 J mg/l**	---
03050711	SSA / Base Oxidizer drum composite	Liquid	**12.30**	---	**1,600 J**	---
03050712	SSA / Baker Tank # 7038	Liquid	**5.37**	---	**0.8 J**	---
03050713	SSA / Baker Tank # 7049	Liquid	**3.87**	---	**0.268 J**	---
03050714	SSA / Vacuum Truck # 1	Liquid	**4.78**	---	**0.77 J**	---
03050715	SSA / Vacuum Truck # 2	Liquid	**4.60**	---	**1.11 J**	---
03050716	SSA / Vacuum Truck # 1	Liquid	**12.4 J**	---	**7,060**	---
03050717	SSA / Vacuum Truck # 2	Liquid	**1.58 J**	---	**0.0183**	---
03050718	SSA / Vacuum Truck # 3	Liquid	**9.95 J**	---	0.005 U	---
03050719	WWA / Sludge from container in tank D005	Sludge	**8.4 J**	---	**321 J**	---
03050720	WWA / Sludge from WWTP D005	Sludge	**8.5 J**	---	**3,630 J**	---
03050721	WWA / Sludge from WWTP D003	Sludge	**9.04 J**	---	**385 J**	---
03050722	WWA / Sludge from WWTP D002	Sludge	**4.04 J**	---	**6,670 J**	---
03050723	WWA / Sludge from WWTP D004	Sludge	**7.79 J**	---	**1,300 J**	---
03050724	MPA / Sludge from floor of Plating Line 1 (A/B)	Sludge	**7.44 J**	---	**361**	---
03050725	MPA / Sludge from floor of Plating Line 2 (A)	Sludge	**9.84 J**	---	**140**	---
03050726	MPA / Sludge from floor of Plating Line 3 (A/B)	Sludge	**6.51 J**	---	**82**	---
03050727	MPA / Sludge from floor of Plating Line 3 (C/D/E)	Sludge	**9.09 J**	---	**292**	---
03050728	MPA / Sludge from floor of Plating Line 4 (A/B)	Sludge	**8.41 J**	---	**1,870**	---
03050729	MPA / Sludge from floor of Plating Line 5 (A/B)	Sludge	**5.67 J**	---	**103**	---
03050730	MPA / Sludge from floor of Plating Line 5 (C/D)	Sludge	**7.2 J**	---	**265**	---
03050731	MPA / Sludge from floor of Plating Line 5 (E/F)	Sludge	**4.19 J**	---	**500**	---
03050732	SSA / Scrapings from concrete blocks	Solid	**8.84 J**	---	**606**	---
03050733	WWA / 3,000-gal. tank (Hazcat sample # 1440)	Liquid	**9.17 J**	---	**2.4 J**	0.0167 U
03050734	MPA / Plating Tank # 1202 in gold plating room	Liquid	---	---	**99,000 J**	---
03050735	MPA / Plating Tank # 1207 in silver plating room	Liquid	---	---	**45,200 J**	---
03050736	MPA / Plating Vat # 596	Liquid	**13.9 J**	---	0.0169 UJ	0.0169 UJ
03050737	SSA / Vacuum truck	Liquid	**1.66 J**	---	**37.2 J**	---
03050738	SSA / Vacuum Truck # 1	Liquid	**11.3 J**	---	**4,600 J**	---
03050739	SSA / Vacuum Truck # 2	Liquid	**11 J**	---	**8,450 J**	---
03050740	MPA / Plating Tank # 1204 in gold plating room	Liquid	ND	---	**520 J**	---
03050741	SSA / Vacuum Truck # 3	Liquid	**12.9 J**	---	**8.9 J**	---
03050742	SSA / Baker Tank # SFVP4117L	Liquid	**8.27 J**	---	**0.955 J**	---
03050743	EQM Drum # 24	Liquid	---	**33 J**	---	---
03050744	EQM Drum # 25	Liquid	---	**32 J**	---	---
03050745	MPA / Sludge from Plating Line 1	Sludge	**7.17 J**	---	**205 J**	---
03050746	MPA / Sludge from btw. Plating Lines 1 & 2	Sludge	**9.14 J**	---	**398 J**	---
03050747	MPA / Sludge from btw. Plating Lines 2 & 3	Sludge	**7.55 J**	---	**572 J**	---
03050748	MPA / Sludge from btw. Plating Lines 3 & 4	Sludge	**4.93 J**	---	**66.1 J**	---
03050749	MPA / Sludge from btw. Plating Lines 4 & 5	Sludge	**4.78 J**	---	**154 J**	---
03050750	MPA / Sludge from Plating Line 5	Sludge	**9.26 J**	---	**182 J**	---
03050753	WWA / Sludge from WWTP D001	Sludge	**2.95 J**	---	**416 J**	---
03050754	WWA / Sludge from WWTP D006	Sludge	**10 J**	---	**3,490 J**	---
03050755	NSA / Sludge from rusty vat	Sludge	**8.21 J**	---	**13.9 J**	---
03050756	NSA / Sludge from green vat	Sludge	**9.32 J**	---	**69 J**	---
03050757	NSA / Sludge from Vat # 1386	Sludge	**3.8 J**	---	**157 J**	---
03050758	NSA / Sludge from Vat # 1387	Sludge	**6.15 J**	---	0.500 UJ	---
03050759	Plating Shop/ Sludge from Vat #589	Sludge	--	---	**9,700 J**	---

Table D-2

SUMMARY OF PH, FLASHPOINT, AND CYANIDE ANALYTICAL RESULTS FOR LIQUID, WASTE, AND SLUDGE SAMPLES COLUMBIA AMERICAN PLATING PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	pH (Standard Units)	Flash Point (degrees Fahrenheit)	Cyanide (mg/kg except as noted)	
					Total	Amenable
EPA Region 9 PRGs			**na**	**na**	**35 mg/kg 6.2 ug/l**	**na**
Oregon Cleanup Concentrations			**na**	**na**	**40,000 mg/kg 20 ug/l**	**na**
03050760	Plating Shop/ Solid from Vat #598	Solid	--	---	**4,640 J**	---
03050761	Liquid from Vacuum truck	Liquid	**13.6 J**	---	**3.08 J**	---
03050843	Wastewater/3,000-gallon tank	Liquid	--	--	**0.464**	--
03050844	SSA/Composite of sludge pile	Sludge	--	--	**774 J**	--

Key

--- = not analyzed for this parameter
CN = Cyanide
Cr^6 = hexavalent chromium
EPA = Environmental Protection Agency
J = estimated quantity
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
MPA = Main Plating Area
na = not applicable
ND = not detected
NSA = North Storage Area
PRG = Preliminary remediation goal
SSA = South Storage Area
ug/L = micrograms per liter
U = not detected above the indicated detection limit
UJ = estimated detection limit
WWA = Waste Water Area
WWTP = Waste Water Treatment Plant

Table D-3

SUMMARY OF INORGANIC ANALYTICAL RESULTS FOR LIQUID, WASTE, AND SLUDGE SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Units	Matrix	RCRA Metals								Other Metals
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	Gold
EPA Region 9 PRGs		**mg/kg / ug/l**	**Soil/Water**	**1.6 / 0.045**	**67,000 / 2,600**	**450 / 18**	**450 / 55,000**	**750 / na**	**62 / 3.6**	**5,100 / 180**	**5,100 / 180**	**na**
Oregon Cleanup Concentrations		**mg/kg / ug/l**	**Soil/Water**	**3 / 0.04**	**140,000 / 1,000**	**1,000 / 5**	**1,500 / 100**	**2,000 / 15**	**600 / 2**	**na**	**10,000 / 50**	**na**
03050702	MPA / Composite of CN Vats	mg/kg	Liquid	**0.802 J**	0.500 UJ	**15 J**	**5.22 J**	**3.36 J**	0.100 UJ	0.500 UJ	**21.8 J**	---
03050703	MPA / Composite of Base Oxidizer Vats	mg/kg	Liquid	0.500 UJ	0.500 UJ	0.500 UJ	**5.76 J**	0.500 UJ	0.100 UJ	0.500 UJ	0.500 UJ	---
03050704	MPA / Composite of Base Vats	mg/kg	Liquid	**0.665 J**	0.500 UJ	0.500 UJ	**36 J**	0.500 UJ	0.100 UJ	0.500 UJ	0.500 UJ	---
03050705	MPA / Composite of Acid Oxidizer Vats	mg/kg	Liquid	0.500 UJ	0.500 UJ	**7.41 J**	**22.8 J**	**5.6 J**	0.0481 UJ	0.500 UJ	**6.46 J**	---
03050706	MPA / Composite of Cr^{+6} Vats	mg/kg	Liquid	0.500 UJ	0.500 UJ	0.500 UJ	**420 J**	0.500 UJ	0.0893 UJ	0.500 UJ	0.500 UJ	---
03050707	MPA / Composite of Acid Vats	mg/kg	Liquid	0.431 UJ	0.431 UJ	**2.91 J**	**35.2 J**	**1.2 J**	0.0806 UJ	0.500 UJ	0.431 UJ	---
03050708	SSA / Vacuum truck	ug/L	Liquid	**0.244 J**	**1.47 J**	**13.4 J**	**1,090 J**	**3.48 J**	0.100 UJ mg/kg	0.100 UJ	**7.4 J**	---
03050709	SSA / Vacuum truck	ug/L	Liquid	0.1 UJ	0.1 UJ	**0.189 J**	**6.42 J**	0.1 UJ	0.0610 UJ mg/kg	0.100 UJ	0.1 UJ	---
03050710	SSA / Base Oxidizer drum composite	ug/L	Liquid	**0.426 J**	**1.31 J**	**1,130 J**	**10.2 J**	**32 J**	0.0714 UJ mg/kg	0.266 UJ	**13 J**	---
03050711	SSA / Base Oxidizer drum composite	ug/L	Liquid	**0.482 J**	**1.32 J**	**72.6 J**	**11.1 J**	**7.66 J**	0.0556 UJ	0.100 UJ	**25.1 J**	---
03050712	SSA / Baker Tank # 7038	ug/L	Liquid	**0.135 J**	**0.559 J**	**3.34 J**	**36.3 J**	**5.31 J**	0.0862 UJ	0.100 UJ	**0.556 J**	---
03050713	SSA / Baker Tank # 7049	ug/L	Liquid	**0.316 J**	**0.263 J**	**9.48 J**	**51.1 J**	**1.39 J**	0.0595 UJ	0.100 UJ	**0.297 J**	---
03050714	SSA / Vacuum Truck # 1	ug/L	Liquid	0.100 UJ	0.250 UJ	**0.915 J**	**6.98 J**	**1.85 J**	0.0368 UJ	0.100 UJ	**0.788 J**	---
03050715	SSA / Vacuum Truck # 2	ug/L	Liquid	0.100 UJ	**0.184 J**	**1.2 J**	**8.62 J**	**3.66 J**	0.051 UJ	0.100 UJ	**1.27 J**	---
03050716	SSA / Vacuum Truck # 1	ug/L	Liquid	**2.09**	**0.592**	**23.8**	**9.77**	**4.25**	0.008 U	0.200 U	**2.08**	---
03050717	SSA / Vacuum Truck # 2	ug/L	Liquid	0.200 U	0.200 U	**0.694**	**11.6**	**0.72**	0.0002 U	0.200 U	**0.206**	---
03050718	SSA / Vacuum Truck # 3	ug/L	Liquid	0.200 U	**2.05**	**30.4**	**66.8**	**17.70**	**0.00586**	0.200 U	**2.25**	---
03050719	WWA / Sludge from container in tank D005	mg/kg	Sludge	3.2 UJ	**75.8 J**	**1,650 J**	**1,290 J**	**500 J**	**0.352**	3.20 UJ	**65.6**	---
03050720	WWA / Sludge from WWTP D005	mg/kg	Sludge	16.7 UJ	**499 J**	**50,300 J**	**8,100 J**	**5,260 J**	0.615 U	16.7 UJ	**487**	---
03050721	WWA / Sludge from WWTP D003	mg/kg	Sludge	**11 J**	**141 J**	**1,380 J**	**3,660 J**	**727 J**	**0.395**	9.61 UJ	**130**	---
03050722	WWA / Sludge from WWTP D002	mg/kg	Sludge	15.9 UJ	**9,470 J**	**79.7 J**	**20,200 J**	**18,800 J**	**3.43**	15.9 UJ	**449**	---
03050723	WWA / Sludge from WWTP D004	mg/kg	Sludge	**20.1 J**	**135 J**	**3,190 J**	**2,150 J**	**451 J**	**1.19**	1.54 U	**76.2**	---
03050724	MPA / Sludge from floor of Plating Line 1 (A/B)	mg/kg	Sludge	**17.7 J**	**18.8 J**	**1,150**	**28,700 J**	**105 J**	**0.084 J**	**4.2**	**9.17**	---
03050725	MPA / Sludge from floor of Plating Line 2 (A)	mg/kg	Sludge	**38.5 J**	**76.8 J**	**2,710**	**885 J**	**245 J**	**0.356**	**2.77**	**19.3**	---
03050726	MPA / Sludge from floor of Plating Line 3 (A/B)	mg/kg	Sludge	**10.9 J**	**197 J**	**142**	**2,740 J**	**260 J**	**0.214**	**2.61**	**113**	---
03050727	MPA / Sludge from floor of Plating Line 3 (C/D/E)	mg/kg	Sludge	**23.2 J**	**447 J**	**490**	**4,750 J**	**699 J**	0.131 UJ	**5.11**	**143**	---
03050728	MPA / Sludge from floor of Plating Line 4 (A/B)	mg/kg	Sludge	**24.2 J**	**196 J**	**72.8**	**2,300 J**	**2,750 J**	**0.418**	**1.55**	**68.3**	---
03050729	MPA / Sludge from floor of Plating Line 5 (A/B)	mg/kg	Sludge	**7.08 J**	**431 J**	**67.4**	**1,180 J**	**737 J**	**0.767**	**5.17**	**142**	---
03050730	MPA / Sludge from floor of Plating Line 5 (C/D)	mg/kg	Sludge	**6.95 J**	**651 J**	**30.7**	**1,240 J**	**15,500 J**	**0.771**	**1.71**	**97.4**	---
03050731	MPA / Sludge from floor of Plating Line 5 (E/F)	mg/kg	Sludge	**6.11 J**	**271 J**	**27.4**	**1,250 J**	**14,300 J**	**0.523**	**1.02**	**107**	---
03050732	SSA / Scrapings from concrete blocks	mg/kg	Solid	**11.2 J**	**217 J**	**59.9**	**7,270 J**	**16,300 J**	**0.322**	**3.06**	**84**	---
03050734	MPA / Plating Tank # 1202 in gold plating room	ug/L	Liquid	---	---	---	---	---	---	---	---	**0.06**
03050735	MPA / Plating Tank # 1207 in silver plating room	ug/L	Liquid	---	---	---	---	---	---	---	**117 J**	---
03050737	SSA / Vacuum truck	ug/L	Liquid	1 UJ	**18.9 J**	**274 J**	**546 J**	**41.1 J**	**0.0106 J**	1.0 U	**4.92 J**	---
03050738	SSA / Vacuum Truck # 1	ug/L	Liquid	**0.555**	5.0 UJ	**376 J**	**4.68**	**5.70**	0.01 U	0.5 U	**2.07**	---
03050739	SSA / Vacuum Truck # 2	ug/L	Liquid	**0.77**	5.0 UJ	**365 J**	**15.9**	**7.21**	0.01 U	0.5 U	**0.93**	---
03050740	MPA / Plating Tank # 1204 in gold plating room	ug/L	Liquid	---	---	---	---	---	---	---	---	**3289**
03050741	SSA / Vacuum Truck # 3	ug/L	Liquid	**1.44**	5.0 UJ	**1.62 J**	**18.8**	**0.53**	0.01 U	0.5 U	0.5 U	---
03050742	SSA / Baker Tank # SFVP4117L	ug/L	Liquid	0.050 U	0.5 UJ	**0.592 J**	**0.104**	0.05 U	0.01 U	0.05 U	0.05 U	---
03050745	MPA / Sludge from Plating Line 1	mg/kg	Sludge	**11 J**	**93.4 J**	**1,100 J**	**7,130 J**	**284 J**	**0.135 J**	**2.11 J**	**30.5 J**	---
03050746	MPA / Sludge from btw. Plating Lines 1 & 2	mg/kg	Sludge	**3.3 J**	**892 J**	**317 J**	**1,370 J**	**49.2 J**	0.0568 UJ	0.424 UJ	**27.7 J**	---
03050747	MPA / Sludge from btw. Plating Lines 2 & 3	mg/kg	Sludge	**4.23 J**	**51.8 J**	**208 J**	**658 J**	**108 J**	**0.194 J**	**1.41 J**	**38.7 J**	---
03050748	MPA / Sludge from btw. Plating Lines 3 & 4	mg/kg	Sludge	**8.1 J**	**56.7 J**	**34 J**	**1,660 J**	**297 J**	**0.0683 J**	**1.01 J**	**19.5 J**	---
03050749	MPA / Sludge from btw. Plating Lines 4 & 5	mg/kg	Sludge	**8.43 J**	**179 J**	**23.1 J**	**2,300 J**	**856 J**	**3.35 J**	**1.76 J**	**43.7 J**	---
03050750	MPA / Sludge from Plating Line 5	mg/kg	Sludge	**11 J**	**75.3 J**	**582 J**	**1,880 J**	**403 J**	**0.186 J**	**1.42 J**	**44.9 J**	---
03050751	WWA / Sludge from WWTP D002	mg/kg	Sludge	---	---	---	---	---	**0.551 J**	---	---	---
03050752	WWA / Sludge from WWTP D004	mg/kg	Sludge	---	---	---	---	---	**0.181 J**	---	---	---
03050753	WWA / Sludge from WWTP D001	mg/kg	Sludge	**5.07 J**	**269 J**	**19.5 J**	**5,080 J**	**1,540 J**	**1.84 J**	**2.07 J**	**27.5 J**	---
03050754	WWA / Sludge from WWTP D006	mg/kg	Sludge	**3.73 J**	**113 J**	**9,400 J**	**1,040 J**	**966 J**	**0.116 J**	**0.801 J**	**14.3 J**	---
03050755	NSA / Sludge from rusty vat	mg/kg	Sludge	**0.83 J**	**6.11 J**	**93.1 J**	**173 J**	**39.6 J**	0.0472 UJ	**0.897 J**	**15.3 J**	---
03050756	NSA / Sludge from green vat	mg/kg	Sludge	**0.589 J**	**3.61 J**	**202 J**	**922 J**	**57.5 J**	0.0714 UJ	**0.214 J**	**15.3 J**	---
03050757	NSA / Sludge from Vat # 1386	mg/kg	Sludge	**7.4 J**	**60 J**	**2,900 J**	**907 J**	**257 J**	0.0472 UJ	**0.921 J**	**29.5 J**	---
03050758	NSA / Sludge from Vat # 1387	mg/kg	Sludge	0.233 UJ	**2.6 J**	**169 J**	**417 J**	**61.1 J**	0.0532 UJ	0.223 UJ	0.223 UJ	---
03050761	Liquid from Vacuum truck	ug/L	Liquid	1.00 U	**3.01**	**1.57**	**14.2**	**1.15**	R	5.0 U	1.0 U	---

Key

--- = not analyzed for this parameter
CN = Cyanide
Cr^{6} = hexavalent chromium
EPA = Environmental Protection Agency
J = estimated quantity
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
MPA = Main Plating Area
na = not applicable
ND = not detected
NSA = North Storage Area
PRG = Preliminary remediation goal
R = result rejected
RCRA = Resource Conservation and Recovery Act
SSA = South Storage Area
ug/L = micrograms per liter
U = not detected above the indicated detection limit
UJ = estimated detection limit
WWA = Waste Water Area
WWTP = Waste Water Treatment Plant

Table D-4

SUMMARY OF TCLP ANALYTICAL RESULTS
FOR LIQUID, WASTE, AND SLUDGE SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	TCLP Metals (mg/l)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
TCLP Regulatory Limits (mg/L)			5	100	1	5	5	0.2	1	5
03050702	MPA / Composite of CN Vats	Liquid	1.25 UJ	**4.75 J**	**2.15 J**	**4.92 J**	**2.08 J**	**0.0102 J**	1.25 UJ	**122 J**
03050703	MPA / Composite of Base Oxidizer Vats	Liquid	1.25 UJ	**2.14 J**	0.125 UJ	**9.94 J**	1.25 UJ	0.00400 UJ	0.125 UJ	1.25 UJ
03050704	MPA / Composite of Base Vats	Liquid	1.25 UJ	**2.36 J**	1.25 UJ	**35 J**	1.25 UJ	0.00400 UJ	1.25 UJ	1.25 UJ
03050705	MPA / Composite of Acid Oxidizer Vats	Liquid	1.25 UJ	1.25 UJ	**2.3 J**	**33.4 J**	1.25 UJ	0.00400 UJ	1.25 UJ	**1.65 J**
03050706	MPA / Composite of Cr^{+6} Vats	Liquid	1.25 UJ	**3.3 J**	**20.7 J**	**67.1 J**	**14.3 J**	0.00400 UJ	0.125 UJ	**6.24 J**
03050707	MPA / Composite of Acid Vats	Liquid	1.25 UJ	**4.21 J**	1.25 UJ	**661 J**	1.25 UJ	0.00400 UJ	1.25 UJ	1.25 UJ
03050708	SSA / Vacuum truck	Liquid	**6.17 J**	2.50 UJ	**13.9 J**	**1170 J**	**3.07 J**	0.008 UJ	2.50 UJ	2.50 UJ
03050709	SSA / Vacuum truck	Liquid	2.50 UJ	1.00 UJ	1.00 UJ	**6.12 J**	1.00 UJ	0.0002 UJ	1.00 UJ	1.00 UJ
03050710	SSA / Base Oxidizer drum composite	Liquid	2.50 UJ	2.50 UJ	**156 J**	**4.0 J**	**7.62 J**	**0.0226 J**	2.5 UJ	**17.2 J**
03050711	SSA / Base Oxidizer drum composite	Liquid	2.0 UJ	2.0 UJ	**6.94 J**	2.0 UJ	2.0 UJ	0.008 U	2.0 UJ	2.0 UJ
03050712	SSA / Baker Tank # 7038	Liquid	2.0 UJ	**2.33 J**	**2.99 J**	**29.4 J**	2.0 UJ	0.016 U	2.0 UJ	2.0 UJ
03050713	SSA / Baker Tank # 7049	Liquid	2.0 UJ	2.0 UJ	**8.38 J**	**40.8 J**	2.0 UJ	0.016 U	2.0 UJ	2.0 UJ
03050714	SSA / Vacuum Truck # 1	Liquid	2.0 UJ	2.0 UJ	2.0 UJ	**2.02 J**	2.0 UJ	0.016 U	2.0 UJ	2.0 UJ
03050715	SSA / Vacuum Truck # 2	Liquid	2.0 UJ	**2.22 J**	2.0 UJ	**3.75 J**	2.0 UJ	0.008 U	2.0 UJ	2.0 UJ
03050716	SSA / Vacuum Truck # 1	Liquid	**2.01**	**2.69**	**7.22**	**6.95**	**2.32**	0.0016 U	0.500 U	**30.3**
03050717	SSA / Vacuum Truck # 2	Liquid	0.100 U	**0.219**	**0.589**	**10.9**	**0.652**	0.0016 U	0.100 U	0.100 U
03050718	SSA / Vacuum Truck # 3	Liquid	1.0 U	**0.796**	0.500 U	**7.78**	1.0 U	**0.00166**	0.500 U	**1.05**
03050719	WWA / Sludge from container in tank D005	Sludge	0.200 U	**0.565**	**0.662**	0.200 U	0.200 U	0.008 U	0.200 U	0.200 U
03050720	WWA / Sludge from WWTP D005	Sludge	0.200 U	**0.836**	**104**	**0.344**	0.200 U	**0.00113**	0.200 U	**0.596**
03050721	WWA / Sludge from WWTP D003	Sludge	0.200 U	**0.934**	**9.08**	0.200 U	0.200 U	0.0002 U	0.200 U	0.200 U
03050722	WWA / Sludge from WWTP D002	Sludge	0.200 U	**0.55**	0.200 U	**5.37**	**8.38**	**0.0004**	0.200 U	0.200 U
03050723	WWA / Sludge from WWTP D004	Sludge	0.200 U	**0.621**	**38.3**	**0.245**	0.200 U	**0.00102**	0.200 U	0.200 U
03050724	MPA / Sludge from floor of Plating Line 1 (A/B)	Sludge	0.250 U	**5.33**	**11.3**	**60.3**	0.250 U	0.0016 U	0.250 U	0.250 U
03050725	MPA / Sludge from floor of Plating Line 2 (A)	Sludge	0.250 U	**0.476**	**0.563**	0.250 U	0.250 U	0.0016 U	0.250 U	0.250 U
03050726	MPA / Sludge from floor of Plating Line 3 (A/B)	Sludge	0.250 U	**0.456**	0.250 U	0.250 U	0.250 U	0.0016 U	0.250 U	0.250 U
03050727	MPA / Sludge from floor of Plating Line 3 (C/D/E)	Sludge	0.250 U	**0.716**	**1.37**	**0.532**	0.250 U	0.0016 U	0.250 U	0.250 U

Table D-4

SUMMARY OF TCLP ANALYTICAL RESULTS
FOR LIQUID, WASTE, AND SLUDGE SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	TCLP Metals (mg/l)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
TCLP Regulatory Limits (mg/L)			5	100	1	5	5	0.2	1	5
03050728	MPA / Sludge from floor of Plating Line 4 (A/B)	Sludge	0.250 U	**0.531**	0.250 U	**0.386**	0.250 U	0.0016 U	0.250 U	0.250 U
03050729	MPA / Sludge from floor of Plating Line 5 (A/B)	Sludge	0.250 U	**0.562**	**1.55**	**0.282**	0.250 U	0.0016 U	0.250 U	0.250 U
03050730	MPA / Sludge from floor of Plating Line 5 (C/D)	Sludge	0.250 U	**0.498**	**0.714**	**0.352**	**0.741**	**0.004**	0.250 U	0.250 U
03050731	MPA / Sludge from floor of Plating Line 5 (E/F)	Sludge	0.250 U	**0.504**	**0.831**	**1.32**	**15.6**	**0.00382**	0.250 U	0.250 U
03050732	SSA / Scrapings from concrete blocks	Solid	0.250 U	**0.444**	**0.781**	**7.25**	**0.376**	0.0016 U	0.250 U	**0.325**
03050737	SSA / Vacuum truck	Liquid	2.5 UJ	**0.811 J**	**182 J**	**266 J**	**9.08 J**	0.016 UJ	2.5 UJ	2.5 UJ
03050738	SSA / Vacuum Truck # 1	Liquid	25.0 U	25.0 U	**344**	25.0 U	25.0 U	0.001 U	5.0 U	25.0 U
03050739	SSA / Vacuum Truck # 2	Liquid	25.0 U	25.0 U	**37**	25.0 U	25.0 U	0.001 U	5.0 U	25.0 U
03050741	SSA / Vacuum Truck # 3	Liquid	25.0 U	25.0 U	5.0 U	25.0 U	25.0 U	0.001 U	5.0 U	25.0 U
03050742	SSA / Baker Tank # SFVP4117L	Liquid	12.5 U	12.5 U	2.5 U	12.5 U	12.5 U	0.001 U	2.5 U	12.5 U
03050745	MPA / Sludge from Plating Line 1	Sludge	0.250 UJ	**1.67 J**	**50.8 J**	**19.3 J**	0.250 UJ	0.0016 UJ	0.250 UJ	0.250 UJ
03050746	MPA / Sludge from btw. Plating Lines 1 & 2	Sludge	**0.161 J**	**0.963 J**	**4.85 J**	**0.151 J**	0.100 UJ	0.0016 UJ	**0.103 J**	0.100 UJ
03050747	MPA / Sludge from btw. Plating Lines 2 & 3	Sludge	0.100 UJ	**0.563 J**	**20.8 J**	**0.567 J**	0.100 UJ	0.0016 UJ	0.100 UJ	0.100 UJ
03050748	MPA / Sludge from btw. Plating Lines 3 & 4	Sludge	0.100 UJ	**0.412 J**	**0.191 J**	**0.225 J**	0.100 UJ	0.0016 UJ	0.100 UJ	0.100 UJ
03050749	MPA / Sludge from btw. Plating Lines 4 & 5	Sludge	0.100 UJ	**0.416 J**	**0.29 J**	**0.461 J**	**0.198 J**	**0.0029 J**	0.100 UJ	0.100 UJ
03050750	MPA / Sludge from Plating Line 5	Sludge	0.100 UJ	**0.645 J**	**7.07 J**	**0.327 J**	0.100 UJ	0.0016 UJ	0.100 UJ	0.100 UJ
03050751	WWA / Sludge from WWTP D002	Sludge	---	---	---	---	---	**0.00202 J**	---	---
03050752	WWA / Sludge from WWTP D004	Sludge	---	---	---	---	---	**0.00839 J**	---	---
03050753	WWA / Sludge from WWTP D001	Sludge	0.100 UJ	**0.601 J**	**0.227 J**	**1.34 J**	**7.86 J**	0.0016 UJ	0.100 UJ	0.100 UJ
03050754	WWA / Sludge from WWTP D006	Sludge	0.100 UJ	**0.588 J**	**89.9 J**	0.100 UJ	0.100 UJ	0.0016 UJ	0.100 UJ	**0.237 J**
03050755	NSA / Sludge from rusty vat	Sludge	0.100 UJ	**0.268 J**	**3.45 J**	**0.154 J**	0.100 UJ	0.0016 UJ	0.100 UJ	0.100 UJ
03050756	NSA / Sludge from green vat	Sludge	0.100 UJ	**1.47 J**	**33.9 J**	**19.7 J**	**0.117 J**	0.0016 UJ	0.100 UJ	0.100 UJ
03050757	NSA / Sludge from Vat # 1386	Sludge	**0.102 J**	**0.769 J**	**291 J**	**5.83 J**	0.100 UJ	0.0016 UJ	**0.185 J**	0.100 UJ
03050758	NSA / Sludge from Vat # 1387	Sludge	0.250 UJ	**0.514 J**	**2.19 J**	**2.78 J**	0.250 UJ	0.0016 UJ	0.250 UJ	0.250 UJ
03050761	Liquid from Vacuum truck	Liquid	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	R	**2.14**	5.0 UJ

Table D-4

SUMMARY OF TCLP ANALYTICAL RESULTS
FOR LIQUID, WASTE, AND SLUDGE SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OREGON

Sample Number	Sample Identification	Matrix	TCLP Metals (mg/l)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
TCLP Regulatory Limits (mg/L)			**5**	**100**	**1**	**5**	**5**	**0.2**	**1**	**5**

Key:

---	= not analyzed for this parameter
CN	= Cyanide
Cr^6	= hexavalent chromium
J	= estimated quantity
mg/L	= milligrams per liter
MPA	= Main Plating Area
NSA	= North Storage Area
R	= result rejected
SSA	= South Storage Area
TCLP	= Toxic Characteristic Leaching Procedure
U	= not detected above the indicated detection limit
UJ	= estimated detection limit
WWA	= Waste Water Area
WWTP	= Waste Water Treatment Plant

Table D-5: SUMMARY OF CYANIDE ANALYTICAL RESULTS
FOR GROUNDWATER AND SOIL SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OR

Sample Number	Sample Identification	Matrix	Units	Cyanide	
				Total	Amenable
EPA Region 9 PRGs (mg/kg / mg/l)				**35**	**0.0062**
Oregon Cleanup Concentrations (mg/kg / mg/l)				**40,000**	**0.02**
03050765	Plating Shop/ BH-1 GW	Water	mg/l	0.0100 U	---
03050769	Plating Shop/ BH-2 GW	Water	mg/l	0.0100 U	---
03050773	Plating Shop/ BH-3 GW	Water	mg/l	**0.017**	---
03050774	Plating Shop/ BH-4 (3-5 ft bgs)	Soil	mg/kg	0.5 U	---
03050775	Plating Shop/ BH-4 (8-10 ft bgs)	Soil	mg/kg	**1.03**	---
03050776	Plating Shop/ BH-4 (13-15 ft bgs)	Soil	mg/kg	0.358 U	---
03050777	Plating Shop/ BH-4 GW	Water	mg/l	0.0100 U	---
03050781	Plating Shop/ BH-5 GW	Water	mg/l	0.0100 U	---
03050785	Plating Shop/ BH-8 GW	Water	mg/l	0.0100 U	---
03050789	Plating Shop/ BH-4 SS	Soil	mg/kg	**1.47**	---
03050792	Plating Shop/ BH-7 SS	Soil	mg/kg	**16.6**	---
03050794	Plating Shop/ BH-9 SS	Soil	mg/kg	**1.47**	---
03050798	Plating Shop/ BH-7 (3-5 ft bgs)	Soil	mg/kg	0.5 U	
03050799	Plating Shop/ BH-7 (8-10 ft bgs)	Soil	mg/kg	0.5 U	
03050800	Plating Shop/ BH-7 (13-15 ft bgs)	Soil	mg/kg	0.5 U	
03050801	Plating Shop/ BH-7 GW	Water	mg/l	0.01 U	
03050805	Plating Shop/ BH-6 GW	Water	mg/l	**0.012**	---
03050806	**SRB1**	Water	mg/l	0.01 U	---
03050807	**GW-RB1**	Water	mg/l	0.01 U	---
03050808	Plating Shop/ BH-9 (3-5 ft bgs)	Soil	mg/kg	0.5 U	---
03050809	Plating Shop/ BH-9 (8-10 ft bgs)	Soil	mg/kg	0.5 U	---
03050810	Plating Shop/ BH-9 (13-15 ft bgs)	Soil	mg/kg	0.390 U	---
03050811	Plating Shop/ BH-9 GW	Water	mg/l	0.01 U	---
03050815	Plating Shop/ BH-10 GW	Water	mg/l	**0.034**	---
03050819	Plating Shop/ BH-11 GW	Water	mg/l	0.01 U	---
03050823	Plating Shop/ BH-13 GW	Water	mg/l	0.01 U	---
03050824	Plating Shop/ BH-14 (3-5 ft bgs)	Soil	mg/kg	0.01 UJ	---
03050825	Plating Shop/ BH-14 (8-10 ft bgs)	Soil	mg/kg	0.01 UJ	---
03050826	Plating Shop/ BH-14 (13-15 ft bgs)	Soil	mg/kg	0.01 UJ	---
03050827	Plating Shop/ BH-14 GW	Water	mg/l	0.01 U	---
03050831	Plating Shop/ BH-15 GW	Water	mg/l	0.01 U	---
03050835	Plating Shop/ BH-16 GW	Water	mg/l	**0.02**	---
03050839	Plating Shop/ BH-12 GW	Water	mg/l	**0.274**	---
03050840	Basement/ BH-17 (2.5-3 ft bgs)	Soil	mg/kg	**0.701 J**	---
03050846	**HARB1**	Water	mg/l	0.01 U	---
03050850	NSA/ BH-20 GW	Water	mg/l	**0.033**	---
03050851	SSA/ BH-21 (3-5 ft bgs)	Soil	mg/kg	0.5 UJ	---
03050852	SSA/ BH-21 (8-10 ft bgs)	Soil	mg/kg	0.5 UJ	---
03050853	SSA/ BH-21 (13-15 ft bgs)	Soil	mg/kg	0.5 UJ	---
03050854	**SRB2**	Water	mg/l	0.01 U	---
03050855	SSA/ BH-21 GW	Water	mg/l	0.01 U	---
03050856	SSA/ BH-22 (3-5 ft bgs)	Soil	mg/kg	0.2 U	0.2 U
03050857	SSA/ BH-22 (8-10 ft bgs)	Soil	mg/kg	**1.1**	**0.7**
03050858	SSA/ BH-22 (13-15 ft bgs)	Soil	mg/kg	**0.6**	**0.6**

Table D-5: SUMMARY OF CYANIDE ANALYTICAL RESULTS
FOR GROUNDWATER AND SOIL SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OR

Sample Number	Sample Identification	Matrix	Units	Cyanide	
				Total	Amenable
EPA Region 9 PRGs (mg/kg / mg/l)				**35**	**0.0062**
Oregon Cleanup Concentrations (mg/kg / mg/l)				**40,000**	**0.02**
03050859	SSA/ BH-22 GW	Water	mg/l	0.02 U	0.02 U
03050863	SSA/ BH-23 GW	Water	mg/l	**0.53**	**0.37**
03050864	SSA/ BH-24 (3-5 ft bgs)	Soil	mg/kg	**0.6**	**0.6**
03050865	SSA/ BH-24 (8-10 ft bgs)	Soil	mg/kg	**0.4**	**0.4**
03050866	SSA/ BH-24 (13-15 ft bgs)	Soil	mg/kg	**0.5**	**0.5**
03050867	SSA/ BH-24 GW MS/MSD	Water	mg/l	0.02 U	0.02 U
03050871	SSA/ BH-25 GW	Water	mg/l	0.02 U	0.02 U
03050875	SSA/ BH-26 GW	Water	mg/l	0.02 U	0.02 U
03050879	NW 35th Ave/ BH-27 (13-15 ft bgs)	Water	mg/l	0.02 U	0.02 U
03050880	NW 35th Ave/ BH-27 GW	Soil	mg/kg	**0.5**	**0.5**
03050881	NW 35th Ave/ BH-28 (3-5 ft bgs) MS/MSD	Soil	mg/kg	**1.9**	**1.9**
03050882	NW 35th Ave/ BH-28 (8-10 ft bgs)	Soil	mg/kg	0.2 U	0.2 U
03050883	NW 35th Ave/ BH-28 (13-15 ft bgs)	Water	mg/l	0.02 U	0.02 U
03050884	NW 35th Ave/ BH-28 GW	Soil	mg/kg	**0.2**	**0.2**
03050887	NSA/ BH-29 (3-5 ft bgs) MS/MSD	Water	mg/l	0.02 U	0.02 U
03050891	NSA/ BH-30 GW	Water	mg/l	0.02 U	0.02 U
03050892	Carson Oil Property/ BH-31 (3-5 ft bgs)	Soil	mg/kg	0.2 U	0.2 U
03050893	Carson Oil Property/ BH-31 (8-10 ft bgs)	Soil	mg/kg	**1.5**	**1.1**
03050894	Carson Oil Property/ BH-31 (13-15 ft bgs)	Soil	mg/kg	**1.7**	**1.1**
03050895	Carson Oil Property/ BH-31 GW	Water	mg/l	0.02 U	0.02 U
03050896	**GW-RB2**	Water	mg/l	0.02 U	0.02 U
03050898	Upgradient/ BH-32 (3-5 ft bgs)	Soil	mg/kg	0.2 U	0.2 U
03050899	Upgradient/ BH-32 (8-10 ft bgs)	Soil	mg/kg	0.2 U	0.2 U
03050900	Upgradient/ BH-32 (13-15 ft bgs)	Soil	mg/kg	0.2 U	0.2 U
03050901	Upgradient/ BH-32 GW	Water	mg/l	0.02 U	0.02 U
03050905	SSA/ BH-33 GW	Water	mg/l	0.02 U	0.02 U
03050906	SSA/ Trench	Soil	mg/kg	0.2 U	0.2 U
03050908	SSA/ SS-2	Soil	mg/kg	**6.6**	**6.1**
03070913	SSA/Storm Drain	Liquid	mg/L	**240**	
03070914	NSA/Storm Drain	Liquid	mg/L	**0.11**	
03070915	SSA/Storm Drain	Liquid	mg/L	**3.4 J**	**3.3 J**

Key

--- = not analyzed for this parameter
bgs = below ground surface
BH = borehole
EPA = Environmental Protection Agency
ft = feet
GW = groundwater
HARB = Hand Auger Rinsate Blank
J = estimated quantity
mg/kg = milligrams per kilogram
mg/L = milligrams per liter
MPA = Main Plating Area
MS/MSD = Matrix Spike/Matrix Spike Duplicate
NSA = North Storage Area
NW = Northwest
PRG = Preliminary remediation goal
RB = Rinsate Blank
SRB = Soil Rinsate Blank
SS = surface soil
SSA = South Storage Area
U = not detected above the indicated detection limit
UJ = estimated detection limit

Table D-6: SUMMARY OF INORGANIC ANALYTICAL RESULTS FOR SOIL SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OR

Sample Number	Sample Identification	RCRA Metals (mg/kg)							
		Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
EPA Region 9 PRGs		**1.6[ca]**	**67,000**	**450**	**450**	**750**	**62[a]**	**5,100**	**5,100**
Oregon Cleanup Levels		**3**	**140,000**	**1,000**	**1,500**	**2,000**	**600**	**na**	**10,000**
03050774	Plating Shop/ BH-4 (3-5 ft bgs)	**2.25**	**77.2**	0.5 U	**18.4**	**2.45**	0.2 U	0.5 U	0.5 U
03050775	Plating Shop/ BH-4 (8-10 ft bgs)	**2.3**	**82**	0.676 U	**19.6**	**2.62**	0.2 U	0.676 U	0.676.U
03050776	Plating Shop/ BH-4 (13-15 ft bgs)	**2.88**	**137**	0.50 U	**23.9**	**5.18**	0.2 U	0.50 U	0.50 U
03050789	Plating Shop/ BH-4 SS	**4.78**	**82.7**	**2.54**	**12.9**	**7.59**	0.2 U	0.5 U	0.5 U
03050792	Plating Shop/ BH-7 SS	**2.25**	**98.6**	**34.3 J**	**457 J**	**87.60**	**0.154**	0.719 U	**13.4**
03050794	Plating Shop/ BH-9 SS	**2.45**	**84.9**	0.813 UJ	**16 J**	**7.57**	0.100 U	0.813 U	0.813 U
03050798	Plating Shop/ BH-7 (3-5 ft bgs)	**1.78**	**72.9**	1.00 UJ	**13.4 J**	4.19 U	0.100 U	1.00 U	1.00 U
03050799	Plating Shop/ BH-7 (8-10 ft bgs)	**1.99**	**164**	1.00 UJ	**13.5 J**	2.45 U	0.100 U	1.00 U	1.00 U
03050800	Plating Shop/ BH-7 (13-15 ft bgs)	**0.932 J**	**66.3**	0.676 UJ	8.8 UJ	1.66 U	0.0472 U	0.676 U	0.676 U
03050808	Plating Shop/ BH-9 (3-5 ft bgs)	**2.07 J**	**93.1**	**3.19 J**	**13.3 J**	4.01 U	0.100 U	1.00 U	1.00 U
03050809	Plating Shop/ BH-9 (8-10 ft bgs)	**2.53**	**85.5**	0.901 UJ	**14.7 J**	2.61 U	0.0862 U	0.901 U	0.901 U
03050810	Plating Shop/ BH-9 (13-15 ft bgs)	**1.16**	**74.3**	0.735 UJ	10.6 UJ	2.3 U	0.0714 U	0.735 U	0.735 U
03050824	Plating Shop/ BH-14 (3-5 ft bgs)	**3.42 J**	**124 J**	0.307 U	**21.6 J**	3.52 U	0.0714 UJ	1.42 U	0.307 U
03050825	Plating Shop/ BH-14 (8-10 ft bgs)	**2.67 J**	**82.6 J**	0.424 U	**15.2 J**	2.43 U	**0.0598 J**	1.48 UJ	0.424 U
03050826	Plating Shop/ BH-14 (13-15 ft bgs)	**2.41 J**	**87.0 J**	0.407 U	**17.1 J**	2.71 U	**0.0647 J**	1.28 UJ	0.407 U
03050840	Basement/ BH-17 (2.5-3 ft bgs)	**2.02 J**	**131 J**	0.338 U	**17.6 J**	3.40 U	**0.0693 J**	1.18 UJ	0.338 U
03050851	SSA/ BH-21 (3-5 ft bgs)	**3.95 J**	**108 J**	**17.1**	**79.5 J**	7.07 U	0.0568 UJ	1.45 UJ	0.50 U
03050852	SSA/ BH-21 (8-10 ft bgs)	**2.80 J**	**90.8 J**	**1.01**	**17.1 J**	2.62 U	**0.0611 J**	1.33 U	0.417 U
03050853	SSA/ BH-21 (13-15 ft bgs)	**2.47 J**	**101 J**	0.431 U	**16.3 J**	2.50 U	**0.0575 J**	2.08 U	0.431 U
03050856	SSA/ BH-22 (3-5 ft bgs)	**1.39 J**	**61.7**	**5.7**	**114**	**4.36 J**	**0.67**	10.8 U	2.16 UJ
03050857	SSA/ BH-22 (8-10 ft bgs)	**1.45 J**	**85.9**	**2.59**	**33.7**	2.62 UJ	**0.298**	13.1 U	2.62 UJ
03050858	SSA/ BH-22 (13-15 ft bgs)	2.81 UJ	**106**	1.31 U	**11.8 J**	**2.14 J**	**0.293 J**	13.1 U	2.63 UJ
03050864	SSA/ BH-24 (3-5 ft bgs)	2.7 UJ	**103**	1.11 U	**13.7 J**	**1.97 J**	**0.271 J**	11.1 U	2.22 UJ
03050865	SSA/ BH-24 (8-10 ft bgs)	2.39 UJ	**121**	1.19 U	**13.2 J**	**2 J**	**0.289 J**	11.9 U	2.38 UJ
03050866	SSA/ BH-24 (13-15 ft bgs)	2.27 UJ	**89.8**	1.31 U	**12.5**	**1.21 J**	**0.275**	13.1 U	2.63 U
03050880	NW 35th Ave/ BH-28 (3-5 ft bgs) MS/MSD	**1.89 J**	**90.8**	**7.31**	**21.7**	**20.2 J**	**0.317**	10.9 U	2.17 UJ
03050881	NW 35th Ave/ BH-28 (8-10 ft bgs)	1.62 UJ	**102**	1.24 U	**19.1**	**45.30**	**0.328**	12.4 U	2.47 UJ
03050882	NW 35th Ave/ BH-28 (13-15 ft bgs)	0.975 UJ	**104**	1.23 U	**10.6**	2.46 UJ	**0.408**	12.3 U	2.46 UJ
03050884	NSA/ BH-29 (3-5 ft bgs) MS/MSD	2.53 UJ	**75.9**	1.09 UJ	**12.7**	2.17 UJ	**0.26**	10.9 U	2.17 UJ
03050892	Carson Oil Property/ BH-31 (3-5 ft bgs)	3.33 U	**75 J**	1.04 U	**13 J**	**2.65 J**	**0.254**	10.4 U	2.08 UJ
03050893	Carson Oil Property/ BH-31 (8-10 ft bgs)	3.34 U	**169 J**	1.05 U	**16.9 J**	**2.68 J**	**0.207**	10.5 U	2.1 UJ
03050894	Carson Oil Property/ BH-31 (13-15 ft bgs)	2.5 U	**79.9 J**	1.24 U	**24.7 J**	**2.36 J**	**0.266**	12.4 U	2.48 UJ
03050898	Upgradient/ BH-32 (3-5 ft bgs)	4.01 U	**66.1 J**	1.02 U	**11.6 J**	**3.07 J**	**0.222**	10.2 U	**0.221 J**
03050899	Upgradient/ BH-32 (8-10 ft bgs)	3.43 U	**77.2 J**	1.07 U	**14.1 J**	**9.20**	**0.213**	10.7 U	2.13 UJ
03050900	Upgradient/ BH-32 (13-15 ft bgs)	3.04 U	**91.1 J**	1.21 U	**12.2 J**	**2.91 J**	**0.261**	12.1 U	2.42 UJ
03050906	SSA/ Trench	3.08 U	**96.8 J**	**2.87**	**11 J**	**3.57**	**0.343**	10.2 U	2.04 UJ
03050908	SSA/ SS-2	3.01 U	**88.3 J**	**5.92**	**149 J**	**27.40**	**0.243**	11.3 U	2.25 UJ

Key

--- = not analyzed for this parameter
a = methyl mercury PRG
bgs = below ground surface
BH = borehole
c = cancer endpoint
EPA = Environmental Protection Agency
ft = feet
J = estimated quantity
mg/kg = milligrams per kilogram
MPA = Main Plating Area
MS/MSD = Matrix Spike/Matrix Spike Duplicate
na = not applicable
NSA = North Storage Area
NW = Northwest
PRG = Preliminary remediation goal
RCRA = Resource Conservation and Recovery Act
SS = surface soil
SSA = South Storage Area
U = not detected above the indicated detection limit
UJ = estimated detection limit

Table D-7

SUMMARY OF INORGANIC ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES
COLUMBIA AMERICAN PLATING
PORTLAND, OR

(mg/L)

EPA Sample ID	03050765	03050769	03050773	03050777	03050781	03050785	03050801	**EPA Region 9 PRGs (mg/l)**	**Oregon Cleanup Concentrations (mg/l)**
Station ID	Plating Shop/ BH-1 GW	Plating Shop/ BH-2 GW	Plating Shop/ BH-3 GW	Plating Shop/ BH-4 GW	Plating Shop/ BH-5 GW	Plating Shop/ BH-8 GW	Plating Shop/ BH-7 GW		
Matrix	Water	Water	Water	Water	Water	Water	Water		
Sample Depth (feet bgs)	na	na	na	na	na	na	na		
Description	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater		
RCRA Metals									
Arsenic	**0.00628**	**0.00209**	**0.00505**	**0.0072**	**0.00339**	0.001 U	**0.00236**	**0.000045**	**0.00004**
Barium	**0.0449 J**	**0.0608**	**0.0605**	**0.0472 J**	**0.0779 J**	**0.00436 J**	**0.0617**	**2.6**	**1**
Cadmium	0.001 UJ	0.001 UJ	**0.00563**	0.001 U	0.001 U	**0.00155**	**0.0026**	**0.018**	**0.005**
Chromium	0.00341 U	0.00793 U	**0.0131**	0.00424 U	**0.0107**	0.00258 U	**0.0148**	**55**	**0.1**
Lead	**0.00207**	**0.00255**	**0.00372**	0.001 U	**0.00235**	**0.00246**	**0.0052**	**0.0000036**	**0.015**
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	**0.0036**	**0.002**
Selenium	0.00133 UJ	0.001 U	**0.00366**	0.001 UJ	0.00215 UJ	0.00104 UJ	0.001 U	**0.18**	**na**
Silver	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	**0.18**	**0.05**
EPA Sample ID	03050805	03050806	03050807	03050811	03050815	03050819	03050823	**EPA Region 9 PRGs (mg/l)**	**Oregon Cleanup Concentrations (mg/l)**
Station ID	Plating Shop/ BH-6 GW	SRB1	GW-RB1	Plating Shop/ BH-9 GW	Plating Shop/ BH-10 GW	Plating Shop/ BH-11 GW	Plating Shop/ BH-13 GW		
Matrix	Water	Water	Water	Water	Water	Water	Water		
Sample Depth (feet bgs)	na	na	na	na	na	na	na		
Description	Groundwater	Groundwater	Water	Groundwater	Groundwater	Groundwater	Groundwater		
RCRA Metals									
Arsenic	**0.00571**	0.001 U	0.001 U	**0.00246**	**0.00382**	**0.0132 J**	0.001 UJ	**0.000045**	**0.00004**
Barium	**0.21**	0.001 U	0.001 U	**0.0316**	**0.0355**	**0.0506**	**0.0516**	**2.6**	**1**
Cadmium	**0.0032**	0.001 U	0.001 U	**0.0049**	0.001 U	0.001 U	0.001 U	**0.018**	**0.005**
Chromium	**0.0352**	**0.00441**	**0.00163**	0.00335 U	0.00633 U	0.00272 U	0.00343 U	**55**	**0.1**
Lead	**0.0082**	0.001 U	0.001 U	**0.0019**	**0.0026**	**0.00163**	**0.00125**	**0.0000036**	**0.015**
Mercury	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	**0.0036**	**0.002**
Selenium	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	**0.18**	**na**
Silver	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	**0.18**	**0.05**
EPA Sample ID	03050827	03050831	03050835	03050839	03050846	03050850	03050854	**EPA Region 9 PRGs (mg/l)**	**Oregon Cleanup Concentrations (mg/l)**
Station ID	Plating Shop/ BH-14 GW	Plating Shop/ BH-15 GW	Plating Shop/ BH-16 GW	Plating Shop/ BH-12 GW	HARB1	NSA/ BH-20 GW	SRB2		
Matrix	Water	Water	Water	Water	Water	Water	Water		
Sample Depth (feet bgs)	na	na	na	na	na	na	na		
Description	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater		
RCRA Metals									
Arsenic	**0.0015 J**	**0.0148 J**	**0.00631 J**	**0.014 J**	0.001 UJ	**0.0134 J**	0.001 UJ	**0.000045**	**0.00004**
Barium	**0.112**	**0.508**	**0.0246**	**0.42**	0.001 UJ	**0.0995**	0.001 UJ	**2.6**	**1**
Cadmium	**0.00129**	0.005 U	**0.00483**	**0.0121**	0.001 UJ	**0.00731**	0.001 UJ	**0.018**	**0.005**
Chromium	**0.0133**	**0.0693**	0.00247 U	**0.0697**	0.001 UJ	**0.0308**	0.001 UJ	**55**	**0.1**
Lead	**0.00237**	**0.018**	0.001 U	**0.0172**	0.001 UJ	**0.007**	0.001 UJ	**0.0000036**	**0.015**
Mercury	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 UJ	**0.0036**	**0.002**
Selenium	0.001 U	0.005 U	0.001 U	0.005 U	0.001 UJ	0.001 U	0.001 UJ	**0.18**	**na**
Silver	0.001 U	0.005 U	0.001 U	0.005 U	0.001 UJ	0.001 U	0.001 UJ	**0.18**	**0.05**
EPA Sample ID	03050855	03050859	03050863	03050867	03050871	03050875	03050879	**EPA Region 9 PRGs (mg/l)**	**Oregon Cleanup Concentrations (mg/l)**
Station ID	SSA/ BH-21 GW	SSA/ BH-22 GW	SSA/ BH-23 GW	SSA/ BH-24 GW	SSA/ BH-25 GW	SSA/ BH-26 GW	NW 35th Ave/ BH-27 GW		
Matrix	Water	Water	Water	Water	Water	Water	Water		
Sample Depth (feet bgs)	na	na	na	na	na	na	na		
Description	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater		
RCRA Metals									
Arsenic	**0.00638 J**	**0.0181**	0.0193 U	0.00939 UJ	0.00702 UJ	**0.0201**	**0.0221**	**0.000045**	**0.00004**
Barium	**0.132**	**0.061**	**0.0889**	**0.0227**	**0.0328**	**0.359**	**0.364**	**2.6**	**1**
Cadmium	**0.00221**	0.000222 UJ	**0.0223 J**	0.005 U	0.005 U	0.005 U	0.000286 UJ	**0.018**	**0.005**
Chromium	**0.0466**	**0.0181**	**0.0142**	**0.00339 J**	**0.00413 J**	**0.069**	**0.0788**	**55**	**0.1**
Lead	**0.0078**	**0.00633 J**	0.01 U	0.01 U	0.01 U	**0.0137**	**0.04**	**0.0000036**	**0.015**
Mercury	0.0002 U	0.00417 U	0.00396 U	0.00349 U	0.00366 U	0.00381 U	0.00438 U	**0.0036**	**0.002**
Selenium	0.001 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.18**	**na**
Silver	0.001 U	0.01 U	**0.00233 J**	0.00127 UJ	**0.0017 J**	0.01 U	0.01 U	**0.18**	**0.05**
EPA Sample ID	03050883	03050887	03050891	03050895	03050896	03050901	03050905	**EPA Region 9 PRGs (mg/l)**	**Oregon Cleanup Concentrations (mg/l)**
Station ID	NW 35th Ave/ BH-28 GW	NSA/ BH-29 GW	NSA/ BH-30 GW	Carson Oil Property/ BH-31 GW	GW-RB2	Upgradient/ BH-32 GW	SSA/ BH-33 GW		
Matrix	Water	Water	Water	Water	Water	Water	Water		
Sample Depth (feet bgs)	na	na	na	na	na	na	na		
Description	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater		
RCRA Metals									
Arsenic	0.0104 U	0.00808 UJ	0.00896 UJ	0.01 U	0.01 U	**0.00659**	**0.0124**	**0.000045**	**0.00004**
Barium	**0.149**	**0.0888**	**0.155**	**0.043**	0.000849 UJ	**0.0903 J**	**0.193**	**2.6**	**1**
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.018**	**0.005**
Chromium	**0.0273**	**0.0193**	**0.0257**	0.00729 UJ	0.000649 UJ	**0.0124 J**	**0.055**	**55**	**0.1**
Lead	**0.01**	**0.00516 J**	**0.00492 J**	**0.00445 J**	0.01 U	**0.00588**	**0.0147**	**0.0000036**	**0.015**
Mercury	0.00343 U	0.00337 U	0.00411 U	0.00313 U	**0.00285**	0.00301 U	0.0028 U	**0.0036**	**0.002**
Selenium	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	**0.18**	**na**
Silver	**0.00131 J**	**0.00167 J**	0.000652 UJ	0.0015 UJ	0.000965 UJ	0.01 U	0.01 U	**0.18**	**0.05**

Key

--- = not analyzed for this parameter
bgs = below ground surface
BH = borehole
EPA = Environmental Protection Agency
HARB = Hand Auger Rinsate Blank
ID = identification
J = estimated quantity
mg/L = milligrams per liter
MPA = Main Plating Area
MS/MSD = Matrix Spike/Matrix Spike Duplicate
na = not applicable
NSA = North Storage Area
NW = Northwest
PRG = Preliminary remediation goal
RB = Rinsate Blank
RCRA = Resource Conservation and Recovery Act
SRB = Soil Rinsate Blank
SSA = South Storage Area
U = not detected above the indicated detection limit
UJ = estimated detection limit

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050762	03050763	03050764	03050765	03050778	03050779	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-5	PS/BH-5				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	mg/kg	mg/kg	mg/kg	ug/l	mg/kg	mg/kg				
1,2,4-Trichlorobenzene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	3,000	190
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	25 UJ	1.00 UJ	1.00 UJ	--	--	370	370
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	25 UJ	1.00 UJ	1.00 UJ	--	--	63	5.5
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	25 UJ	1.00 UJ	1.00 UJ	--	--	7.9	0.5
2,4,5-Trichlorophenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	62,000	3,600
2,4,6-Trichlorophenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	500	8	62	3.6
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	1,800	110
2,4-Dimethylphenol	1.0 U	1.0 U	1.0 U	50 UJ	1.00 UJ	1.00 UJ	--	--	12,000	730
2,4-Dinitrophenol	2.0 U	2.0 U	2.0 U	125 UJ	2.00 UJ	2.00 UJ	--	--	12,000	73
2,4-Dinitrotoluene	0.500 U	0.500 U	0.500 U	25 UJ	0.500 UJ	0.500 UJ	--	--	12,000	73
2,6-Dinitrotoluene	0.500 U	0.500 U	0.500 U	25 UJ	0.500 UJ	0.500 UJ	8	0.1	620	36
2-Chloronaphthalene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	23,000	490
2-Chlorophenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	240	30
2-Methylnaphthalene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
2-Methylphenol	0.33 U	0.33 U	0.33 U	50 UJ	0.330 UJ	0.330 UJ	--	--	31,000	1,800
2-Nitroaniline	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	1,800	1
2-Nitrophenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
3,3´-Dichlorobenzidine	1.0 U	1.0 U	1.0 U	25 UJ	1.00 UJ	1.00 UJ	10	0.2	3.8	0.15
3-,4-Methylphenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	3,100	180
3-Nitroaniline	1.0 U	1.0 U	1.0 U	50 UJ	1.00 UJ	1.00 UJ	--	--	na	na
4,6-Dinitro-2-methylphenol	1.0 U	1.0 U	1.0 U	50 UJ	1.00 UJ	1.00 UJ	--	--	1,200	73
4-Bromophenyl phenyl ether	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
4-Chloro-3-methylphenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
4-Chloroaniline	2.0 U	2.0 U	2.0 U	100 UJ	2.00 UJ	2.00 UJ	--	--	2,500	150
4-Chlorophenyl phenyl ether	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
4-Nitroaniline	0.33 U	0.33 U	0.33 U	50 UJ	0.330 UJ	0.330 UJ	--	--	na	na
4-Nitrophenol	1.0 U	1.0 U	1.0 U	125 UJ	1.00 UJ	1.00 UJ	--	--	na	na
Acenaphthene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	100,000	2,000	29,000	370
Acenaphthylene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
Anthracene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	600,000	10,000	100,000	1,800
Benzo (a) anthracene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	1	0.01	2.1	0.092
Benzo (a) pyrene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	1	0.01	0.21	0.0092
Benzo (b) fluoranthene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	1	0.01	2.1	0.092
Benzo (k) fluoranthene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	21	0.92
Benzo (ghi) perylene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
Benzoic Acid	1.0 U	1.0 U	1.0 U	250 UJ	1.00 UJ	1.00 UJ	--	--	100,000	150,000

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Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050762	03050763	03050764	03050765	03050778	03050779	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-5	PS/BH-5				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	mg/kg	mg/kg	mg/kg	ug/l	mg/kg	mg/kg				
Benzyl alcohol	0.33 U	0.33 U	0.33 U	50 UJ	0.330 UJ	0.330 UJ	--	--	100,000	11,000
Bis(2-chloroethoxy)methane	0.33 U	0.33 U	0.33 U	50 UJ	0.330 UJ	0.330 UJ	--	--	na	na
Bis(2-chloroethyl)ether	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	0.55	0.0098
Bis(2-chloroisopropyl)ether	0.33 U	0.33 U	0.33 U	50 UJ	0.330 UJ	0.330 UJ	--	--	7.4	0.27
Bis(2-ethylhexyl)phthalate	2.0 U	2.0 U	2.0 U	**524 J**	2.00 UJ	2.00 UJ	400	4	120	4.8
Butyl benzyl phthalate	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	100,000	7,300
Chrysene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	1	0.01	210	9.2
Dibenzo (a,h) anthracene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	1	0.01	0.21	0.0092
Dibenzofuran	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	3,100	24
Diethyl phthalate	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	100,000	29,000
Dimethyl phthalate	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	100,000	360,000
Di-n-butyl phthalate	1.0 U	1.0 U	1.0 U	25 UJ	1.00 UJ	1.00 UJ	--	--	62,000	3,200
Di-n-octyl phthalate	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
Fluoranthene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	80,000	1,000	220,000	1,500
Fluorene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	80,000	1,000	260,000	240
Hexachlorobenzene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	1.1	0.042
Hexachlorobutadiene	1.0 U	1.0 U	1.0 U	50 UJ	1.00 UJ	1.00 UJ	--	--	22	0.86
Hexachlorocyclopentadiene	1.0 U	1.0 U	1.0 U	50 UJ	1.00 UJ	1.00 UJ	--	--	3,700	220
Hexachloroethane	1.0 U	1.0 U	1.0 U	50 UJ	1.00 UJ	1.00 UJ	2,000	40	120	4.8
Indeno (1,2,3-cd) pyrene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	1	0.01	2.1	0.092
Isophorone	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	1,800	71
N-Nitrosodi-n-propylamine	0.33 U	0.33 U	0.33 U	50 UJ	0.330 UJ	0.330 UJ	--	--	0.25	0.0096
N-Nitrosodiphenylamine	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	350	14
Naphthalene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	8,000	100	190	6.2
Nitrobenzene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	100	3.4
Pentachlorophenol	1.0 U	1.0 U	1.0 U	50 UJ	1.00 UJ	1.00 UJ	50	0.7	9	0.56
Phenanthrene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	na	na
Phenol	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	--	--	100,000	22,000
Pyrene	0.33 U	0.33 U	0.33 U	25 UJ	0.330 UJ	0.330 UJ	60,000	1,000	29,000	180

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050762	03050763	03050764	03050765	03050778	03050779	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-5	PS/BH-5				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/l	ug/kg	ug/kg				
1,1,1,2-Tetrachloroethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	7,300	0.43
1,1,1-Trichloroethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	930	0.055
1,1,2-Trichloroethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	8,000	5	1,600	0.02
1,1-Dichloroethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	1,700,000	810
1,1-Dichloroethene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	0.02	1	410,000	340
1,1-Dichloropropene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	na	na
1,2,3-Trichlorobenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	na	na
1,2,3-Trichloropropane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	11	0.0056
1,2,4-Trichlorobenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	3,000,000	190
1,2,4-Trimethylbenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	170,000	12
1,2-Dibromo-3-chloropropane	500 U	500 U	500 U	5.0 UJ	500 UJ	500 UJ	--	--	2,000	0.048
1,2-Dibromoethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	28	0.00076
1,2-Dichlorobenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	370,000	370
1,2-Dichloroethane	100 U	100 U	100 U	8.05 U	100 UJ	100 UJ	--	--	600	0.12
1,2-Dichloropropane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	740	0.16
1,3,5-Trimethylbenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	70,000	12
1,3-Dichlorobenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	63,000	5.5
1,3-Dichloropropane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	na	na
1,4-Dichlorobenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	7,900	0.5
2,2-Dichloropropane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	na	na
2-Butanone	1,000 U	1,000 U	1,000 U	10 UJ	1,000 UJ	1,000 UJ	--	--	27,000,000	1,900
2-Chlorotoluene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	560,000	120
2-Hexanone	1,000 U	1,000 U	1,000 U	10 UJ	1,000 UJ	1,000 UJ	--	--	na	na
4-Chlorotoluene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	560,000	120
4-Isopropyltoluene	200 U	200 U	200 U	2.00 UJ	200 UJ	200 UJ	--	--	na	na
4-Methyl-2-pentanone	500 U	500 U	500 U	5.0 UJ	500 UJ	500 UJ	--	--	2,800,000	160
Acetone	2,500 U	2,500 U	2,500 U	25.0 UJ	2,500 UJ	2,500 UJ	--	--	6,000,000	610
Benzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	2	3	1,300	0.34
Bromobenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	92,000	20
Bromochloromethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	na	na
Bromodichloromethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	40	0.07	1,800	0.18
Bromoform	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	700	10	220,000	8.5
Bromomethane	500 U	500 U	500 U	5.0 UJ	500 UJ	500 UJ	3,000	50	13,000	8.7
Carbon disulfide	1,000 U	1,000 U	1,000 U	10 UJ	1,000 U	1,000 U	--	--	720,000	1,000
Carbon tetrachloride	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	40	0.7	550	0.17
Chlorobenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050762	03050763	03050764	03050765	03050778	03050779	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-1	PS/BH-5	PS/BH-5				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/l	ug/kg	ug/kg				
Chloroethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	6,500	4.6
Chloroform	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	900	10	12,000	6,200
Chloromethane	500 U	500 U	500 U	5.0 UJ	500 UJ	500 UJ	--	--	2,600	1.5
cis-1,2-Dichloroethene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	20,000	70	150,000	61
cis-1,3-Dichloropropene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	1,800	0.4
Dibromochloromethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	40,000	700	2,600	0.13
Dibromomethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	na	na
Dichlorodifluoromethane	500 U	500 U	500 U	5.0 UJ	500 UJ	500 UJ	--	--	310,000	390
Ethylbenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	20,000	700	20,000	2.9
Hexachlorobutadiene	200 U	200 U	200 U	2.00 UJ	200 UJ	200 UJ	--	--	22,000	0.86
Isopropylbenzene	200 U	200 U	200 U	2.00 UJ	200 UJ	200 UJ	--	--	520,000	660
m,p-Xylene	200 U	200 U	200 U	2.00 UJ	200 UJ	200 UJ	2,500	700	420,000	210
Methylene chloride	500 U	500 U	500 U	5.0 UJ	500 UJ	500 UJ	10	5	21,000	4.3
Methyl tert-butyl ether	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	160,000	13
n-Butylbenzene	500 U	500 U	500 U	5.0 UJ	500 UJ	500 UJ	--	--	240,000	240
n-Propylbenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	240,000	240
Naphthalene	200 U	200 U	200 U	2.00 UJ	200 UJ	200 UJ	8,000	100	190,000	6.2
n-Butylbenzene	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	--	--	240,000	240
o-Xylene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	2,500	700	420,000	210
sec-Butylbenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	220,000	240
Styrene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	1,700,000	1,600
tert-Butylbenzene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	390,000	240
Tetrachloroethene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	10	2	340,000	0.66
Toluene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	40,000	100	230,000	120
trans-1,3-Dichloropropene	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	--	--	1,800	0.4
Trichloroethene	100 U	100 U	100 U	**2.00 J**	100 UJ	100 UJ	20	5	110	0.028
Trichlorofluoromethane	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	1,500	10,000	2,000,000	1,300
Vinyl chloride	100 U	100 U	100 U	1.0 UJ	100 UJ	100 UJ	0	0.04	750	0.02

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Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050780	03050781	03050782	03050783	03050784	03050785	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-5	PS/BH-5	PS/BH-8	PS/BH-8	PS/BH-8	PS/BH-8				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13-15	na				
Description	SB	Groundwater	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	*mg/kg*	ug/l	mg/kg	mg/kg	mg/kg	ug/l				
1,2,4-Trichlorobenzene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	3,000	190
1,2-Dichlorobenzene	1.00 UJ	50.0 UJ	1.0 U	1.0 U	1.0 U	10.0 U	--	--	370	370
1,3-Dichlorobenzene	1.00 UJ	50.0 UJ	1.0 U	1.0 U	1.0 U	10.0 U	--	--	63	5.5
1,4-Dichlorobenzene	1.00 UJ	50.0 UJ	1.0 U	1.0 U	1.0 U	10.0 U	--	--	7.9	0.5
2,4,5-Trichlorophenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	62,000	3,600
2,4,6-Trichlorophenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	500	8	62	3.6
2,4-Dichlorophenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	1,800	110
2,4-Dimethylphenol	1.00 UJ	100 UJ	1.0 U	1.0 U	1.0 U	20 U	--	--	12,000	730
2,4-Dinitrophenol	2.00 UJ	250 UJ	2.0 U	2.0 U	2.0 U	50.0 U	--	--	12,000	73
2,4-Dinitrotoluene	0.500 UJ	50.0 UJ	0.500 U	0.500 U	0.500 U	10.0 U	--	--	12,000	73
2,6-Dinitrotoluene	0.500 UJ	50.0 UJ	0.500 U	0.500 U	0.500 U	10.0 U	8	0.1	620	36
2-Chloronaphthalene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	23,000	490
2-Chlorophenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	240	30
2-Methylnaphthalene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
2-Methylphenol	0.330 UJ	100 UJ	0.33 U	0.33 U	0.33 U	20 U	--	--	31,000	1,800
2-Nitroaniline	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	1,800	1
2-Nitrophenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
3,3´-Dichlorobenzidine	1.00 UJ	50.0 UJ	1.0 U	1.0 U	1.0 U	10.0 U	10	0.2	3.8	0.15
3-,4-Methylphenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	3,100	180
3-Nitroaniline	1.00 UJ	100 UJ	1.0 U	1.0 U	1.0 U	20 U	--	--	na	na
4,6-Dinitro-2-methylphenol	1.00 UJ	100 UJ	1.0 U	1.0 U	1.0 U	20 U	--	--	1,200	73
4-Bromophenyl phenyl ether	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
4-Chloro-3-methylphenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
4-Chloroaniline	2.00 UJ	200 UJ	2.0 U	2.0 U	2.0 U	40.0 U	--	--	2,500	150
4-Chlorophenyl phenyl ether	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
4-Nitroaniline	0.330 UJ	100 UJ	0.33 U	0.33 U	0.33 U	20 U	--	--	na	na
4-Nitrophenol	1.00 UJ	250 UJ	1.0 U	1.0 U	1.0 U	50.0 U	--	--	na	na
Acenaphthene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	100,000	2,000	29,000	370
Acenaphthylene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
Anthracene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	600,000	10,000	100,000	1,800
Benzo (a) anthracene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	1	0.01	2.1	0.092
Benzo (a) pyrene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	1	0.01	0.21	0.0092
Benzo (b) fluoranthene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	1	0.01	2.1	0.092
Benzo (k) fluoranthene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	21	0.92
Benzo (ghi) perylene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
Benzoic Acid	1.00 UJ	500 UJ	1.0 U	1.0 U	1.0 U	100 U	--	--	100,000	150,000

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Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	**03050780**	**03050781**	**03050782**	**03050783**	**03050784**	**03050785**	**Oregon Cleanup Concentrations**		**EPA Region 9 PRGs**	
Station ID	**PS/BH-5**	**PS/BH-5**	**PS/BH-8**	**PS/BH-8**	**PS/BH-8**	**PS/BH-8**				
Sample Depth (feet bgs)	**13 - 15**	**na**	**3 - 5**	**8 - 10**	**13-15**	**na**				
Description	**SB**	**Groundwater**	**SB**	**SB**	**SB**	**Groundwater**	**Soil (mg/kg)**	**Water (ug/l)**	**Soil (mg/kg)**	**Water (ug/l)**
SVOCs	mg/kg	ug/l	mg/kg	mg/kg	mg/kg	ug/l				
Benzyl alcohol	0.330 UJ	100 UJ	0.33 U	0.33 U	0.33 U	20 U	--	--	100,000	11,000
Bis(2-chloroethoxy)methane	0.330 UJ	100 UJ	0.33 U	0.33 U	0.33 U	20 U	--	--	na	na
Bis(2-chloroethyl)ether	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	0.55	0.0098
Bis(2-chloroisopropyl)ether	0.330 UJ	100 UJ	0.33 U	0.33 U	0.33 U	20 U	--	--	7.4	0.27
Bis(2-ethylhexyl)phthalate	2.00 UJ	**378**	2.0 U	2.0 U	2.0 U	**240**	400	4	120	4.8
Butyl benzyl phthalate	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	100,000	7,300
Chrysene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	1	0.01	210	9.2
Dibenzo (a,h) anthracene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	1	0.01	0.21	0.0092
Dibenzofuran	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	3,100	24
Diethyl phthalate	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	100,000	29,000
Dimethyl phthalate	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	100,000	360,000
Di-n-butyl phthalate	1.00 UJ	50.0 UJ	1.0 U	1.0 U	1.0 U	10.0 U	--	--	62,000	3,200
Di-n-octyl phthalate	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
Fluoranthene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	80,000	1,000	220,000	1,500
Fluorene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	80,000	1,000	260,000	240
Hexachlorobenzene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	1.1	0.042
Hexachlorobutadiene	1.00 UJ	100 UJ	1.0 U	1.0 U	1.0 U	20 U	--	--	22	0.86
Hexachlorocyclopentadiene	1.00 UJ	100 UJ	1.0 U	1.0 U	1.0 U	20 U	--	--	3,700	220
Hexachloroethane	1.00 UJ	100 UJ	1.0 U	1.0 U	1.0 U	20 U	2,000	40	120	4.8
Indeno (1,2,3-cd) pyrene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	1	0.01	2.1	0.092
Isophorone	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	1,800	71
N-Nitrosodi-n-propylamine	0.330 UJ	100 UJ	0.33 U	0.33 U	0.33 U	20 U	--	--	0.25	0.0096
N-Nitrosodiphenylamine	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	350	14
Naphthalene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	8,000	100	190	6.2
Nitrobenzene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	100	3.4
Pentachlorophenol	1.00 UJ	100 UJ	1.0 U	1.0 U	1.0 U	20 U	50	0.7	9	0.56
Phenanthrene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	na	na
Phenol	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	--	--	100,000	22,000
Pyrene	0.330 UJ	50.0 UJ	0.33 U	0.33 U	0.33 U	10.0 U	60,000	1,000	29,000	180

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050780	03050781	03050782	03050783	03050784	03050785	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-5	PS/BH-5	PS/BH-8	PS/BH-8	PS/BH-8	PS/BH-8				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13-15	na				
Description	SB	Groundwater	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/l	ug/kg	ug/kg	ug/kg	ug/l				
1,1,1,2-Tetrachloroethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	7,300	0.43
1,1,1-Trichloroethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	930	0.055
1,1,2-Trichloroethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	8,000	5	1,600	0.02
1,1-Dichloroethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	1,700,000	810
1,1-Dichloroethene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	0.02	1	410,000	340
1,1-Dichloropropene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	na	na
1,2,3-Trichlorobenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	na	na
1,2,3-Trichloropropane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	11	0.0056
1,2,4-Trichlorobenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	3,000,000	190
1,2,4-Trimethylbenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	170,000	12
1,2-Dibromo-3-chloropropane	500 UJ	5.0 UJ	500 U	500 U	500 U	5.0 U	--	--	2,000	0.048
1,2-Dibromoethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	28	0.00076
1,2-Dichlorobenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	370,000	370
1,2-Dichloroethane	100 UJ	**23.4**	100 U	100 U	100 U	4.85 U	--	--	600	0.12
1,2-Dichloropropane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	740	0.16
1,3,5-Trimethylbenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	70,000	12
1,3-Dichlorobenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	63,000	5.5
1,3-Dichloropropane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	na	na
1,4-Dichlorobenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	7,900	0.5
2,2-Dichloropropane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	na	na
2-Butanone	1,000 UJ	10 UJ	1,000 U	1,000 U	1,000 U	10 U	--	--	27,000,000	1,900
2-Chlorotoluene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	560,000	120
2-Hexanone	1,000 UJ	10 UJ	1,000 U	1,000 U	1,000 U	10 U	--	--	na	na
4-Chlorotoluene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	560,000	120
p-Isopropyltoluene	200 UJ	2.00 UJ	200 U	200 U	200 U	2.0 U	--	--	na	na
4-Methyl-2-pentanone	500 UJ	5.0 UJ	500 U	500 U	500 U	5.0 U	--	--	2,800,000	160
Acetone	2,500 UJ	25.0 UJ	2,500 U	2,500 U	2,500 U	25 U	--	--	6,000,000	610
Benzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	2	3	1,300	0.34
Bromobenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	92,000	20
Bromochloromethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	na	na
Bromodichloromethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	40	0.07	1,800	0.18
Bromoform	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	700	10	220,000	8.5
Bromomethane	500 UJ	5.0 UJ	500 U	500 U	500 U	5.0 U	3,000	50	13,000	8.7
Carbon disulfide	1,000 U	10 UJ	1,000 U	1,000 U	1,000 U	10 U	--	--	720,000	1,000
Carbon tetrachloride	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	40	0.7	550	0.17
Chlorobenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050780	03050781	03050782	03050783	03050784	03050785	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-5	PS/BH-5	PS/BH-8	PS/BH-8	PS/BH-8	PS/BH-8				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13-15	na				
Description	SB	Groundwater	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/l	ug/kg	ug/kg	ug/kg	ug/l				
Chloroethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	6,500	4.6
Chloroform	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	900	10	12,000	6,200
Chloromethane	500 UJ	5.0 UJ	500 U	500 U	500 U	5.0 U	--	--	2,600	1.5
cis-1,2-Dichloroethene	100 UJ	1.0 UJ	100 U	100 U	100 U	3.81	20,000	70	150,000	61
cis-1,3-Dichloropropene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	1,800	0.4
Dibromochloromethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	40,000	700	2,600	0.13
Dibromomethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	na	na
Dichlorodifluoromethane	500 UJ	5.0 UJ	500 U	500 U	500 U	5.0 U	--	--	310,000	390
Ethylbenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	20,000	700	20,000	2.9
Hexachlorobutadiene	200 UJ	2.00 UJ	200 U	200 U	200 U	2.0 U	--	--	22,000	0.86
Isopropylbenzene	200 UJ	2.00 UJ	200 U	200 U	200 U	2.0 U	--	--	520,000	660
m,p-Xylene	200 UJ	2.00 UJ	200 U	200 U	200 U	2.0 U	2,500	700	420,000	210
Methylene chloride	500 UJ	5.0 UJ	500 U	500 U	500 U	5.0 U	10	5	21,000	4.3
Methyl tert-butyl ether	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	160,000	13
n-Butylbenzene	500 UJ	5.0 UJ	500 U	500 U	500 U	5.0 U	--	--	240,000	240
n-Propylbenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	240,000	240
Naphthalene	200 UJ	2.00 UJ	200 U	200 U	200 U	2.0 U	8,000	100	190,000	6.2
n-Butylbenzene	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	--	--	240,000	240
o-Xylene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	2,500	700	420,000	210
sec-Butylbenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	220,000	240
Styrene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	1,700,000	1,600
tert-Butylbenzene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	390,000	240
Tetrachloroethene	100 UJ	**4.28 J**	100 U	100 U	100 U	3.23	10	2	340,000	0.66
Toluene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	40,000	100	230,000	120
trans-1,3-Dichloropropene	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	--	--	1,800	0.4
Trichloroethene	100 UJ	**12.5 J**	100 U	100 U	100 U	32.7	20	5	110	0.028
Trichlorofluoromethane	100 UJ	1.0 UJ	100 U	100 U	100 U	1.0 U	1,500	10,000	2,000,000	1,300
Vinyl chloride	100 UJ	1.0 UJ	100 U	100 U	100 U	1.60	0	0.04	750	0.02

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Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050806	03050807	03050824	03050825	03050826	03050827	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SRB1	GW-RB1	PS/BH-14	PS/BH-14	PS/BH-14	PS/BH-14				
Sample Depth (feet bgs)	RB	RB	3 - 5	8 - 10	13 - 15	na				
Description	Soil Rinsate	Water Rinsate	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	ug/l	ug/l	mg/kg	mg/kg	mg/kg	ug/l				
1,2,4-Trichlorobenzene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	3,000	190
1,2-Dichlorobenzene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	370	370
1,3-Dichlorobenzene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	63	5.5
1,4-Dichlorobenzene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	7.9	0.5
2,4,5-Trichlorophenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	62,000	3,600
2,4,6-Trichlorophenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	500	8	62	3.6
2,4-Dichlorophenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	1,800	110
2,4-Dimethylphenol	10 U	10 U	1 0 U	1 0 U	1 0 U	10 UJ	--	--	12,000	730
2,4-Dinitrophenol	25 U	25 U	2.0 U	2.0 U	2.0 U	25 UJ	--	--	12,000	73
2,4-Dinitrotoluene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	12,000	73
2,6-Dinitrotoluene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	8	0.1	620	36
2-Chloronaphthalene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	23,000	490
2-Chlorophenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	240	30
2-Methylnaphthalene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
2-Methylphenol	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	31,000	1,800
2-Nitroaniline	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	1,800	1
2-Nitrophenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
3,3´-Dichlorobenzidine	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	10	0.2	3.8	0.15
3-,4-Methylphenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	3,100	180
3-Nitroaniline	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	na	na
4,6-Dinitro-2-methylphenol	10 U	10 U	1.0 U	1.0 U	1.0 U	5.0 UJ	--	--	1,200	73
4-Bromophenyl phenyl ether	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
4-Chloro-3-methylphenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
4-Chloroaniline	20 U	20 U	2.0 U	2.0 U	2.0 U	20 UJ	--	--	2,500	150
4-Chlorophenyl phenyl ether	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
4-Nitroaniline	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	na	na
4-Nitrophenol	25 U	25 U	2.0 U	2.0 U	2.0 U	25 UJ	--	--	na	na
Acenaphthene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	100,000	2,000	29,000	370
Acenaphthylene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
Anthracene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	600,000	10,000	100,000	1,800
Benzo (a) anthracene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	1	0.01	2.1	0.092
Benzo (a) pyrene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	1	0.01	0.21	0.0092
Benzo (b) fluoranthene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	1	0.01	2.1	0.092
Benzo (k) fluoranthene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	21	0.92
Benzo (ghi) perylene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
Benzoic Acid	50 U	50 U	1.0 U	1.0 U	1.0 U	50 UJ	--	--	100,000	150,000

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050806	03050807	03050824	03050825	03050826	03050827	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SRB1	GW-RB1	PS/BH-14	PS/BH-14	PS/BH-14	PS/BH-14				
Sample Depth (feet bgs)	RB	RB	3 - 5	8 - 10	13 - 15	na				
Description	Soil Rinsate	Water Rinsate	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	ug/l	ug/l	mg/kg	mg/kg	mg/kg	ug/l				
Benzyl alcohol	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	100,000	11,000
Bis(2-chloroethoxy)methane	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	na	na
Bis(2-chloroethyl)ether	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	0.55	0.0098
Bis(2-chloroisopropyl)ether	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	7.4	0.27
Bis(2-ethylhexyl)phthalate	10 U	10 U	1.0 U	1.0 U	1.0 U	94.1 J	400	4	120	4.8
Butyl benzyl phthalate	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	100,000	7,300
Chrysene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	1	0.01	210	9.2
Dibenzo (a,h) anthracene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	1	0.01	0.21	0.0092
Dibenzofuran	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	3,100	24
Diethyl phthalate	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	100,000	29,000
Dimethyl phthalate	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	100,000	360,000
Di-n-butyl phthalate	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	62,000	3,200
Di-n-octyl phthalate	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
Fluoranthene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	80,000	1,000	220,000	1,500
Fluorene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	80,000	1,000	260,000	240
Hexachlorobenzene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	1.1	0.042
Hexachlorobutadiene	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	22	0.86
Hexachlorocyclopentadiene	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	3,700	220
Hexachloroethane	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	2,000	40	120	4.8
Indeno (1,2,3-cd) pyrene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	1	0.01	2.1	0.092
Isophorone	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	1,800	71
N-Nitrosodi-n-propylamine	10 U	10 U	1.0 U	1.0 U	1.0 U	10 UJ	--	--	0.25	0.0096
N-Nitrosodiphenylamine	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	350	14
Naphthalene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	8,000	100	190	6.2
Nitrobenzene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	100	3.4
Pentachlorophenol	10 U	10 U	1.0 U	1.0 U	1.0 U	5.0 UJ	50	0.7	9	0.56
Phenanthrene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	na	na
Phenol	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	--	--	100,000	22,000
Pyrene	5.0 U	5.0 U	0.33 U	0.33 U	0.33 U	5.0 UJ	60,000	1,000	29,000	180

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050806	03050807	03050824	03050825	03050826	03050827	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SRB1	GW-RB1	PS/BH-14	PS/BH-14	PS/BH-14	PS/BH-14				
Sample Depth (feet bgs)	RB	RB	3 - 5	8 - 10	13 - 15	na				
Description	Soil Rinsate	Water Rinsate	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/l	ug/l	ug/kg	ug/kg	ug/kg	ug/l				
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	7,300	0.43
1,1,1-Trichloroethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	930	0.055
1,1,2-Trichloroethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	8,000	5	1,600	0.02
1,1-Dichloroethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	1,700,000	810
1,1-Dichloroethene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	0.02	1	410,000	340
1,1-Dichloropropene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	na	na
1,2,3-Trichlorobenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	na	na
1,2,3-Trichloropropane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	11	0.0056
1,2,4-Trichlorobenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	3,000,000	190
1,2,4-Trimethylbenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	170,000	12
1,2-Dibromo-3-chloropropane	5 U	5 U	500 U	500 U	500 U	5 U	--	--	2,000	0.048
1,2-Dibromoethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	28	0.00076
1,2-Dichlorobenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	370,000	370
1,2-Dichloroethane	**2.76**	**3.46**	100 U	100 U	100 U	3.24 U	--	--	600	0.12
1,2-Dichloropropane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	740	0.16
1,3,5-Trimethylbenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	70,000	12
1,3-Dichlorobenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	63,000	5.5
1,3-Dichloropropane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	na	na
1,4-Dichlorobenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	7,900	0.5
2,2-Dichloropropane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	na	na
2-Butanone	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	27,000,000	1,900
2-Chlorotoluene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	560,000	120
2-Hexanone	10 U	10 U	100 U	100 U	100 U	10 U	--	--	na	na
4-Chlorotoluene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	560,000	120
p-Isopropyltoluene	2 U	2 U	200 U	200 U	200 U	2 U	--	--	na	na
4-Methyl-2-pentanone	5 U	5 U	500 U	500 U	500 U	5 U	--	--	2,800,000	160
Acetone	25 U	25 U	2500 U	2500 U	2500 U	25 U	--	--	6,000,000	610
Benzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	2	3	1,300	0.34
Bromobenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	92,000	20
Bromochloromethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	na	na
Bromodichloromethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	40	0.07	1,800	0.18
Bromoform	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	700	10	220,000	8.5
Bromomethane	5 UJ	5 UJ	500 U	500 U	500 U	5 U	3,000	50	13,000	8.7
Carbon disulfide	10 U	10 U	1000 U	1000 U	1000 U	10 U	--	--	720,000	1,000
Carbon tetrachloride	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	40	0.7	550	0.17
Chlorobenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050806	03050807	03050824	03050825	03050826	03050827	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SRB1	GW-RB1	PS/BH-14	PS/BH-14	PS/BH-14	PS/BH-14				
Sample Depth (feet bgs)	RB	RB	3 - 5	8 - 10	13 - 15	na				
Description	Soil Rinsate	Water Rinsate	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/l	ug/l	ug/kg	ug/kg	ug/kg	ug/l				
Chloroethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	6,500	4.6
Chloroform	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	900	10	12,000	6,200
Chloromethane	5 U	5 U	500 U	500 U	500 U	5 U	--	--	2,600	1.5
cis-1,2-Dichloroethene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	20,000	70	150,000	61
cis-1,3-Dichloropropene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	1,800	0.4
Dibromochloromethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	40,000	700	2,600	0.13
Dibromomethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	na	na
Dichlorodifluoromethane	5 U	5 U	500 U	500 U	500 U	5 UJ	--	--	310,000	390
Ethylbenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	20,000	700	20,000	2.9
Hexachlorobutadiene	1.0 U	1.0 U	100 U	100 U	100 U	2.0 U	--	--	22,000	0.86
Isopropylbenzene	2 U	2 U	200 U	200 U	200 U	2 U	--	--	520,000	660
m,p-Xylene	2 U	2 U	200 U	200 U	200 U	2 U	2,500	700	420,000	210
Methylene chloride	5 U	5 U	500 U	500 U	500 U	5 U	10	5	21,000	4.3
Methyl tert-butyl ether	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	160,000	13
n-Butylbenzene	5 U	5 U	500 U	500 U	500 U	5 U	--	--	240,000	240
n-Propylbenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	240,000	240
Naphthalene	2 U	2 U	200 U	200 U	200 U	2 U	8,000	100	190,000	6.2
n-Butylbenzene	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	--	--	240,000	240
o-Xylene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	2,500	700	420,000	210
sec-Butylbenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	220,000	240
Styrene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	1,700,000	1,600
tert-Butylbenzene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	390,000	240
Tetrachloroethene	1.0 U	1.0 U	100 U	100 U	100 U	**20.9**	10	2	340,000	0.66
Toluene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	40,000	100	230,000	120
trans-1,3-Dichloropropene	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	--	--	1,800	0.4
Trichloroethene	1.0 U	1.0 U	100 U	100 U	100 U	**61.2**	20	5	110	0.028
Trichlorofluoromethane	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	1,500	10,000	2,000,000	1,300
Vinyl chloride	1.0 U	1.0 U	100 U	100 U	100 U	1.0 U	0	0.04	750	0.02

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050832	03050833	03050834	03050835	03050846	03050847	03050848	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-16	PS/BH-16	PS/BH-16	PS/BH-16	HARB1	NSA/BH-20	NSA/BH-20				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	RB	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	Hand Auger Rinsate	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	mg/kg	mg/kg	mg/kg	ug/l	ug/l	mg/kg	mg/kg				
1,2,4-Trichlorobenzene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	3,000	190
1,2-Dichlorobenzene	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	--	--	370	370
1,3-Dichlorobenzene	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	--	--	63	5.5
1,4-Dichlorobenzene	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	--	--	7.9	0.5
2,4,5-Trichlorophenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	62,000	3,600
2,4,6-Trichlorophenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	500	8	62	3.6
2,4-Dichlorophenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	1,800	110
2,4-Dimethylphenol	1.0 U	1.0 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	12,000	730
2,4-Dinitrophenol	2.0 U	2.0 U	2.0 U	25 U	25 U	2.0 U	2.0 U	--	--	12,000	73
2,4-Dinitrotoluene	0.5 U	0.5 U	0.5 U	5.0 U	5.0 U	0.5 U	0.5 U	--	--	12,000	73
2,6-Dinitrotoluene	0.5 U	0.5 U	0.5 U	5.0 U	5.0 U	0.5 U	0.5 U	8	0.1	620	36
2-Chloronaphthalene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	23,000	490
2-Chlorophenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	240	30
2-Methylnaphthalene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
2-Methylphenol	0.33 U	0.33 U	0.33 U	10 U	10 U	0.33 U	0.33 U	--	--	31,000	1,800
2-Nitroaniline	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	1,800	1
2-Nitrophenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
3,3´-Dichlorobenzidine	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	10	0.2	3.8	0.15
3-,4-Methylphenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	3,100	180
3-Nitroaniline	1.0 U	1.0 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	na	na
4,6-Dinitro-2-methylphenol	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	--	--	1,200	73
4-Bromophenyl phenyl ether	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
4-Chloro-3-methylphenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
4-Chloroaniline	2.0 U	2.0 U	2.0 U	20 U	20 U	2.0 U	2.0 U	--	--	2,500	150
4-Chlorophenyl phenyl ether	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
4-Nitroaniline	0.33 U	0.33 U	0.33 U	10 U	10 U	0.33 U	0.33 U	--	--	na	na
4-Nitrophenol	1.0 U	1.0 U	1.0 U	25 U	25 U	1.0 U	1.0 U	--	--	na	na
Acenaphthene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	100,000	2,000	29,000	370
Acenaphthylene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
Anthracene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	600,000	10,000	100,000	1,800
Benzo (a) anthracene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	1	0.01	2.1	0.092
Benzo (a) pyrene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	1	0.01	0.21	0.0092
Benzo (b) fluoranthene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	1	0.01	2.1	0.092
Benzo (k) fluoranthene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	21	0.92
Benzo (ghi) perylene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
Benzoic Acid	1.0 U	1.0 U	1.0 U	50 U	50 U	1.0 U	1.0 U	--	--	100,000	150,000

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050832	03050833	03050834	03050835	03050846	03050847	03050848	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-16	PS/BH-16	PS/BH-16	PS/BH-16	HARB1	NSA/BH-20	NSA/BH-20				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	RB	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	Hand Auger Rinsate	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	mg/kg	mg/kg	mg/kg	ug/l	ug/l	mg/kg	mg/kg				
Benzyl alcohol	0.33 U	0.33 U	0.33 U	10 U	10 U	0.33 U	0.33 U	--	--	100,000	11,000
Bis(2-chloroethoxy)methane	0.33 U	0.33 U	0.33 U	10 U	10 U	0.33 U	0.33 U	--	--	na	na
Bis(2-chloroethyl)ether	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	0.55	0.0098
Bis(2-chloroisopropyl)ether	0.33 U	0.33 U	0.33 U	10 U	10 U	0.33 U	0.33 U	--	--	7.4	0.27
Bis(2-ethylhexyl)phthalate	0.33 U	0.33 U	0.33 U	10 U	10 U	0.33 U	0.33 U	400	4	120	4.8
Butyl benzyl phthalate	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	100,000	7,300
Chrysene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	1	0.01	210	9.2
Dibenzo (a,h) anthracene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	1	0.01	0.21	0.0092
Dibenzofuran	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	3,100	24
Diethyl phthalate	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	100,000	29,000
Dimethyl phthalate	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	100,000	360,000
Di-n-butyl phthalate	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	--	--	62,000	3,200
Di-n-octyl phthalate	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
Fluoranthene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	80,000	1,000	220,000	1,500
Fluorene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	80,000	1,000	260,000	240
Hexachlorobenzene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	1.1	0.042
Hexachlorobutadiene	1.0 U	1.0 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	22	0.86
Hexachlorocyclopentadiene	1.0 U	1.0 U	1.0 U	10 U	10 U	1.0 U	1.0 U	--	--	3,700	220
Hexachloroethane	1.0 U	1.0 U	1.0 U	10 U	10 U	1.0 U	1.0 U	2,000	40	120	4.8
Indeno (1,2,3-cd) pyrene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	1	0.01	2.1	0.092
Isophorone	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	1,800	71
N-Nitrosodi-n-propylamine	0.33 U	0.33 U	0.33 U	10 U	10 U	0.33 U	0.33 U	--	--	0.25	0.0096
N-Nitrosodiphenylamine	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	350	14
Naphthalene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	8,000	100	190	6.2
Nitrobenzene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	100	3.4
Pentachlorophenol	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	50	0.7	9	0.56
Phenanthrene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	na	na
Phenol	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	--	--	100,000	22,000
Pyrene	0.33 U	0.33 U	0.33 U	5.0 U	5.0 U	0.33 U	0.33 U	60,000	1,000	29,000	180

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050832	03050833	03050834	03050835	03050846	03050847	03050848	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-16	PS/BH-16	PS/BH-16	PS/BH-16	HARB1	NSA/BH-20	NSA/BH-20				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	RB	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	Hand Auger Rinsate	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/l	ug/l	ug/kg	ug/kg				
1,1,1,2-Tetrachloroethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	7,300	0.43
1,1,1-Trichloroethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	930	0.055
1,1,2-Trichloroethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	8,000	5	1,600	0.02
1,1-Dichloroethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	1,700,000	810
1,1-Dichloroethene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	0.02	1	410,000	340
1,1-Dichloropropene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	na	na
1,2,3-Trichlorobenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	na	na
1,2,3-Trichloropropane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	11	0.0056
1,2,4-Trichlorobenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	3,000,000	190
1,2,4-Trimethylbenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	170,000	12
1,2-Dibromo-3-chloropropane	500 U	500 U	500 U	5 U	5 U	500 U	500 U	--	--	2,000	0.048
1,2-Dibromoethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	28	0.00076
1,2-Dichlorobenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	370,000	370
1,2-Dichloroethane	100 U	100 U	100 U	**2.51**	1.0 U	100 U	100 U	--	--	600	0.12
1,2-Dichloropropane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	740	0.16
1,3,5-Trimethylbenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	70,000	12
1,3-Dichlorobenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	63,000	5.5
1,3-Dichloropropane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	na	na
1,4-Dichlorobenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	7,900	0.5
2,2-Dichloropropane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	na	na
2-Butanone	100 U	100 U	100 U	10 U	**29.5**	100 U	100 U	--	--	27,000,000	1,900
2-Chlorotoluene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	560,000	120
2-Hexanone	100 U	100 U	100 U	10 U	10 U	100 U	100 U	--	--	na	na
4-Chlorotoluene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	560,000	120
p-Isopropyltoluene	200 U	200 U	200 U	2 U	2 U	200 U	200 U	--	--	na	na
4-Methyl-2-pentanone	500 U	500 U	500 U	5 U	5 U	500 U	500 U	--	--	2,800,000	160
Acetone	2500 U	2500 U	2500 U	25 U	**32.7**	2500 U	2500 U	--	--	6,000,000	610
Benzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	2	3	1,300	0.34
Bromobenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	92,000	20
Bromochloromethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	na	na
Bromodichloromethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	40	0.07	1,800	0.18
Bromoform	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	700	10	220,000	8.5
Bromomethane	500 U	500 U	500 U	5 UJ	5 UJ	500 U	500 U	3,000	50	13,000	8.7
Carbon disulfide	1000 U	1000 U	1000 U	10 UJ	10 UJ	1000 U	1000 U	--	--	720,000	1,000
Carbon tetrachloride	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	40	0.7	550	0.17
Chlorobenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050832	03050833	03050834	03050835	03050846	03050847	03050848	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	PS/BH-16	PS/BH-16	PS/BH-16	PS/BH-16	HARB1	NSA/BH-20	NSA/BH-20				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	RB	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	Hand Auger Rinsate	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/l	ug/l	ug/kg	ug/kg				
Chloroethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	6,500	4.6
Chloroform	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	900	10	12,000	6,200
Chloromethane	500 U	500 U	500 U	5 U	5 U	500 U	500 U	--	--	2,600	1.5
cis-1,2-Dichloroethene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	20,000	70	150,000	61
cis-1,3-Dichloropropene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	1,800	0.4
Dibromochloromethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	40,000	700	2,600	0.13
Dibromomethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	na	na
Dichlorodifluoromethane	500 U	500 U	500 U	5 UJ	5 U	500 U	500 U	--	--	310,000	390
Ethylbenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	20,000	700	20,000	2.9
Hexachlorobutadiene	100 U	100 U	100 U	2.0 U	2.0 U	100 U	100 U	--	--	22,000	0.86
Isopropylbenzene	200 U	200 U	200 U	2 U	2 U	200 U	200 U	--	--	520,000	660
m,p-Xylene	200 U	200 U	200 U	2 U	2 U	200 U	200 U	2,500	700	420,000	210
Methylene chloride	500 U	500 U	500 U	5 U	5 U	500 U	500 U	10	5	21,000	4.3
Methyl tert-butyl ether	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	160,000	13
n-Butylbenzene	500 U	500 U	500 U	5 U	5 U	500 U	500 U	--	--	240,000	240
n-Propylbenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	240,000	240
Naphthalene	200 U	200 U	200 U	2 U	2 U	200 U	200 U	8,000	100	190,000	6.2
n-Butylbenzene	na	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	na	--	--	240,000	240
o-Xylene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	2,500	700	420,000	210
sec-Butylbenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	220,000	240
Styrene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	1,700,000	1,600
tert-Butylbenzene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	390,000	240
Tetrachloroethene	100 U	100 U	100 U	**13.7**	1.0 U	100 U	100 U	10	2	340,000	0.66
Toluene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	40,000	100	230,000	120
trans-1,3-Dichloropropene	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	--	--	1,800	0.4
Trichloroethene	100 U	100 U	100 U	**77.9**	1.0 U	100 U	100 U	20	5	110	0.028
Trichlorofluoromethane	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	1,500	10,000	2,000,000	1,300
Vinyl chloride	100 U	100 U	100 U	1.0 U	1.0 U	100 U	100 U	0	0.04	750	0.02

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050849	03050850	03050851	03050852	03050853	03050854	03050855	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NSA/BH-20	NSA/BH-20	SSA/BH-21	SSA/BH-21	SSA/BH-21	SRB2	SSA/BH-21				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	RB	na				
Description	SB	Groundwater	SB	SB	SB	Soil Rinsate	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	mg/kg		mg/kg	mg/kg	mg/kg	ug/l	ug/l				
1,2,4-Trichlorobenzene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	3,000	190
1,2-Dichlorobenzene	1.0 U	na	1.0 U	1.0 U	1.0 U	5.0 U	10 U	--	--	370	370
1,3-Dichlorobenzene	1.0 U	na	1.0 U	1.0 U	1.0 U	5.0 U	10 U	--	--	63	5.5
1,4-Dichlorobenzene	1.0 U	na	1.0 U	1.0 U	1.0 U	5.0 U	10 U	--	--	7.9	0.5
2,4,5-Trichlorophenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	62,000	3,600
2,4,6-Trichlorophenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	500	8	62	3.6
2,4-Dichlorophenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	1,800	110
2,4-Dimethylphenol	1.0 U	na	1.0 U	1.0 U	1.0 U	10 U	10 U	--	--	12,000	730
2,4-Dinitrophenol	2.0 U	na	2.0 U	2.0 U	2.0 U	25 U	50 U	--	--	12,000	73
2,4-Dinitrotoluene	0.5 U	na	0.5 U	0.5 U	0.5 U	5.0 U	10 U	--	--	12,000	73
2,6-Dinitrotoluene	0.5 U	na	0.5 U	0.5 U	0.5 U	5.0 U	10 U	8	0.1	620	36
2-Chloronaphthalene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	23,000	490
2-Chlorophenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	240	30
2-Methylnaphthalene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
2-Methylphenol	0.33 U	na	0.33 U	0.33 U	0.33 U	10 U	10 U	--	--	31,000	1,800
2-Nitroaniline	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	1,800	1
2-Nitrophenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
3,3´-Dichlorobenzidine	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	10	0.2	3.8	0.15
3-,4-Methylphenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	3,100	180
3-Nitroaniline	1.0 U	na	1.0 U	1.0 U	1.0 U	10 U	10 U	--	--	na	na
4,6-Dinitro-2-methylphenol	1.0 U	na	1.0 U	1.0 U	1.0 U	5.0 U	10 U	--	--	1,200	73
4-Bromophenyl phenyl ether	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
4-Chloro-3-methylphenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
4-Chloroaniline	2.0 U	na	2.0 U	2.0 U	2.0 U	20 U	40 U	--	--	2,500	150
4-Chlorophenyl phenyl ether	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
4-Nitroaniline	0.33 U	na	0.33 U	0.33 U	0.33 U	10 U	10 U	--	--	na	na
4-Nitrophenol	1.0 U	na	1.0 U	1.0 U	1.0 U	25 U	50 U	--	--	na	na
Acenaphthene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	100,000	2,000	29,000	370
Acenaphthylene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
Anthracene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	600,000	10,000	100,000	1,800
Benzo (a) anthracene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	1	0.01	2.1	0.092
Benzo (a) pyrene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	1	0.01	0.21	0.0092
Benzo (b) fluoranthene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	1	0.01	2.1	0.092
Benzo (k) fluoranthene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	21	0.92
Benzo (ghi) perylene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
Benzoic Acid	1.0 U	na	1.0 U	1.0 U	1.0 U	50 U	100 U	--	--	100,000	150,000

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050849	03050850	03050851	03050852	03050853	03050854	03050855	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NSA/BH-20	NSA/BH-20	SSA/BH-21	SSA/BH-21	SSA/BH-21	SRB2	SSA/BH-21				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	RB	na				
Description	SB	Groundwater	SB	SB	SB	Soil Rinsate	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (mg/kg)	Water (ug/l)
SVOCs	mg/kg		mg/kg	mg/kg	mg/kg	ug/l	ug/l				
Benzyl alcohol	0.33 U	na	0.33 U	0.33 U	0.33 U	10 U	10 U	--	--	100,000	11,000
Bis(2-chloroethoxy)methane	0.33 U	na	0.33 U	0.33 U	0.33 U	10 U	10 U	--	--	na	na
Bis(2-chloroethyl)ether	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	0.55	0.0098
Bis(2-chloroisopropyl)ether	0.33 U	na	0.33 U	0.33 U	0.33 U	10 U	10 U	--	--	7.4	0.27
Bis(2-ethylhexyl)phthalate	0.33 U	na	0.33 U	0.33 U	0.33 U	10 U	**131 J**	400	4	120	4.8
Butyl benzyl phthalate	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	100,000	7,300
Chrysene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	1	0.01	210	9.2
Dibenzo (a,h) anthracene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	1	0.01	0.21	0.0092
Dibenzofuran	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	3,100	24
Diethyl phthalate	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	100,000	29,000
Dimethyl phthalate	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	100,000	360,000
Di-n-butyl phthalate	1.0 U	na	1.0 U	1.0 U	1.0 U	5.0 U	10 U	--	--	62,000	3,200
Di-n-octyl phthalate	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
Fluoranthene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	80,000	1,000	220,000	1,500
Fluorene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	80,000	1,000	260,000	240
Hexachlorobenzene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	1.1	0.042
Hexachlorobutadiene	1.0 U	na	1.0 U	1.0 U	1.0 U	10 U	10 U	--	--	22	0.86
Hexachlorocyclopentadiene	1.0 U	na	1.0 U	1.0 U	1.0 U	10 U	10 U	--	--	3,700	220
Hexachloroethane	1.0 U	na	1.0 U	1.0 U	1.0 U	10 U	10 U	2,000	40	120	4.8
Indeno (1,2,3-cd) pyrene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	1	0.01	2.1	0.092
Isophorone	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	1,800	71
N-Nitrosodi-n-propylamine	0.33 U	na	0.33 U	0.33 U	0.33 U	10 U	10 U	--	--	0.25	0.0096
N-Nitrosodiphenylamine	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	350	14
Naphthalene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	8,000	100	190	6.2
Nitrobenzene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	100	3.4
Pentachlorophenol	1.0 U	na	1.0 U	1.0 U	1.0 U	5.0 U	10 U	50	0.7	9	0.56
Phenanthrene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	na	na
Phenol	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	--	--	100,000	22,000
Pyrene	0.33 U	na	0.33 U	0.33 U	0.33 U	5.0 U	10 U	60,000	1,000	29,000	180

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050849	03050850	03050851	03050852	03050853	03050854	03050855	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NSA/BH-20	NSA/BH-20	SSA/BH-21	SSA/BH-21	SSA/BH-21	SRB2	SSA/BH-21				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	RB	na				
Description	SB	Groundwater	SB	SB	SB	Soil Rinsate	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/l	ug/kg	ug/kg	ug/kg	ug/l	ug/l				
1,1,1,2-Tetrachloroethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	7,300	0.43
1,1,1-Trichloroethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	930	0.055
1,1,2-Trichloroethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	8,000	5	1,600	0.02
1,1-Dichloroethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	1,700,000	810
1,1-Dichloroethene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	0.02	1	410,000	340
1,1-Dichloropropene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	na	na
1,2,3-Trichlorobenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	na	na
1,2,3-Trichloropropane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	11	0.0056
1,2,4-Trichlorobenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	3,000,000	190
1,2,4-Trimethylbenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	170,000	12
1,2-Dibromo-3-chloropropane	500 U	5 U	500 U	500 U	500 U	5 U	5 U	--	--	2,000	0.048
1,2-Dibromoethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	28	0.00076
1,2-Dichlorobenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	370,000	370
1,2-Dichloroethane	100 U	3 U	100 U	100 U	100 U	**1.95**	2.23 U	--	--	600	0.12
1,2-Dichloropropane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	740	0.16
1,3,5-Trimethylbenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	70,000	12
1,3-Dichlorobenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	63,000	5.5
1,3-Dichloropropane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	na	na
1,4-Dichlorobenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	7,900	0.5
2,2-Dichloropropane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	na	na
2-Butanone	100 U	1.0 U	100 U	100 U	100 U	**29.2**	10 U	--	--	27,000,000	1,900
2-Chlorotoluene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	560,000	120
2-Hexanone	100 U	10 U	100 U	100 U	100 U	10 U	10 U	--	--	na	na
4-Chlorotoluene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	560,000	120
p-Isopropyltoluene	200 U	2 U	200 U	200 U	200 U	2 U	2 U	--	--	na	na
4-Methyl-2-pentanone	500 U	5 U	500 U	500 U	500 U	5 U	5 U	--	--	2,800,000	160
Acetone	2500 U	25 U	2500 U	2500 U	2500 U	**33.7**	25 U	--	--	6,000,000	610
Benzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	2	3	1,300	0.34
Bromobenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	92,000	20
Bromochloromethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	na	na
Bromodichloromethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	40	0.07	1,800	0.18
Bromoform	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	700	10	220,000	8.5
Bromomethane	500 U	5 UJ	500 U	500 U	500 U	5 UJ	5 UJ	3,000	50	13,000	8.7
Carbon disulfide	1000 U	10 UJ	1000 U	1000 U	1000 U	10 UJ	10 UJ	--	--	720,000	1,000
Carbon tetrachloride	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	40	0.7	550	0.17
Chlorobenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050849	03050850	03050851	03050852	03050853	03050854	03050855	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NSA/BH-20	NSA/BH-20	SSA/BH-21	SSA/BH-21	SSA/BH-21	SRB2	SSA/BH-21				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	RB	na				
Description	SB	Groundwater	SB	SB	SB	Soil Rinsate	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/l	ug/kg	ug/kg	ug/kg	ug/l	ug/l				
Chloroethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	6,500	4.6
Chloroform	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	900	10	12,000	6,200
Chloromethane	500 U	5 U	500 U	500 U	500 U	5 U	5 U	--	--	2,600	1.5
cis-1,2-Dichloroethene	100 U	**3.39**	100 U	100 U	100 U	1.0 U	1.0 U	20,000	70	150,000	61
cis-1,3-Dichloropropene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	1,800	0.4
Dibromochloromethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	40,000	700	2,600	0.13
Dibromomethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	na	na
Dichlorodifluoromethane	500 U	5 UJ	500 U	500 U	500 U	5 UJ	5 UJ	--	--	310,000	390
Ethylbenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	20,000	700	20,000	2.9
Hexachlorobutadiene	100 U	2.0 U	100 U	100 U	100 U	2.0 U	2.0 U	--	--	22,000	0.86
Isopropylbenzene	200 U	2 U	200 U	200 U	200 U	2 U	2 U	--	--	520,000	660
m,p-Xylene	200 U	2 U	200 U	200 U	200 U	2 U	2 U	2,500	700	420,000	210
Methylene chloride	500 U	5 U	500 U	500 U	500 U	5 U	5 U	10	5	21,000	4.3
Methyl tert-butyl ether	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	160,000	13
n-Butylbenzene	500 U	5 U	500 U	500 U	500 U	5 U	5 U	--	--	240,000	240
n-Propylbenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	240,000	240
Naphthalene	200 U	2 U	200 U	200 U	200 U	2 U	2 U	8,000	100	190,000	6.2
n-Butylbenzene	na	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	na	--	--	240,000	240
o-Xylene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	2,500	700	420,000	210
sec-Butylbenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	220,000	240
Styrene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	1,700,000	1,600
tert-Butylbenzene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	390,000	240
Tetrachloroethene	100 U	**13.2**	100 U	100 U	100 U	1.0 U	**5.06**	10	2	340,000	0.66
Toluene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	40,000	100	230,000	120
trans-1,3-Dichloropropene	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	--	--	1,800	0.4
Trichloroethene	100 U	**95.7**	100 U	100 U	100 U	1.0 U	**11.7**	20	5	110	0.028
Trichlorofluoromethane	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	1,500	10,000	2,000,000	1,300
Vinyl chloride	100 U	1.0 U	100 U	100 U	100 U	1.0 U	1.0 U	0	0.04	750	0.02

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050864	03050865	03050866	03050867	03050880	03050881	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24 GW	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg				
1,2,4-Trichlorobenzene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	3,000,000	190
1,2-Dichlorobenzene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	370,000	370
1,3-Dichlorobenzene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	63,000	5.5
1,4-Dichlorobenzene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	7,900	0.5
2,4,5-Trichlorophenol	109 U	122 U	129 U	R	110 U	122 U	--	--	62,000,000	3,600
2,4,6-Trichlorophenol	109 U	122 U	129 U	R	110 U	122 U	500	8	62,000	3.6
2,4-Dichlorophenol	109 U	122 U	129 U	R	110 U	122 U	--	--	1,800,000	110
2,4-Dimethylphenol	109 U	122 U	129 U	R	110 U	122 U	--	--	12,000,000	730
2,4-Dinitrophenol	543 U	611 U	657 U	R	552 U	611 U	--	--	1,200,000	73
2,4-Dinitrotoluene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	1,200,000	73
2,6-Dinitrotoluene	109 U	122 U	129 U	0.95 U	110 U	122 U	8	0.1	620,000	36
2-Chloronaphthalene	27.1 U	30.5 U	32.3 U	0.095 U	27.6 U	30.5 U	--	--	23,000,000	490
2-Chlorophenol	109 U	122 U	129 U	R	110 U	122 U	--	--	240,000	30
2-Methylnaphthalene	27.1 U	**19.5 J**	32.3 U	0.237 U	27.6 U	103 U	--	--	na	na
2-Methylphenol	109 U	122 U	129 U	R	110 U	122 U	--	--	31,000,000	1,800
2-Nitroaniline	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	18,000	1
2-Nitrophenol	109 U	122 U	129 U	R	110 U	122 U	--	--	na	na
3,3'-Dichlorobenzidine	217 U	24.4 U	259 U	4.75 U	221 U	24.4 U	10	0.2	3,800	0.15
3-&4-Methylphenol	217 U	24.4 U	259 U	R	221 U	24.4 U	--	--	31,000,000	1,800
3-Nitroaniline	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	na	na
4,6-Dinitro-2-methylphenol	543 U	611 U	657 U	4.75 U	552 U	611 U	--	--	1,200,000	73
4-Bromophenylphenylether	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	na	na
4-Chloro-3-methylphenol	109 U	122 U	129 U	R	110 U	122 U	--	--	na	na
4-Chloroaniline	109 U	122 U	129 U	1.42 U	110 U	122 U	--	--	2,500,000	150
4-Chlorophenylphenylether	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	na	na
4-Nitroaniline	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	na	na
4-Nitrophenol	692 U	779 U	825 U	R	703 U	779 U	--	--	na	na
Acenaphthene	27.1 U	**51.3**	32.3 U	0.095 U	27.6 U	**20.6 J**	100,000	2,000	29,000,000	370
Acenaphthylene	27.1 U	**42.1**	32.3 U	0.095 U	27.6 U	30.5 U	--	--	na	na
Anthracene	27.1 U	**171**	32.3 U	0.095 U	27.6 U	30.5 U	600,000	10,000	100,000,000	1,800
Benzo(a)anthracene	**28.3**	**229**	32.3 U	0.095 U	27.6 U	30.5 U	1	0.01	2,100	0.092
Benzo(a)pyrene	27.1 U	**223**	32.3 U	0.095 U	27.6 U	30.5 U	1	0.01	210	0.0092
Benzofluoranthenes	**34.3**	**262**	32.3 U	0.19 U	27.6 U	30.5 U	1 --	0.01 --	21,000	0.92
Benzo(g,h,i)perylene	**19.7 J**	**138**	32.3 U	0.095 U	27.6 U	30.5 U	--	--	na	na
Benzoic Acid	543 U	611 U	657 U	R	552 U	611 U	--	--	100,000,000	150,000,000

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050864	03050865	03050866	03050867	03050880	03050881	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24 GW	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil	Water	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg				
Benzyl Alcohol	136 U	153 U	162 U	R	138 U	153 U	--	--	100,000,000	11,000
bis(2-Chloroethoxy)methane	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	na	na
bis(2-Chloroethyl)ether	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	550	0.0098
bis(2-Chloroisopropyl)ether	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	7,400	0.27
bis(2-Ethylhexyl)phthalate	109 U	122 U	129 U	7.12 U	110 U	**103J**	400	4	120,000	4.8
Butylbenzylphthalate	136 U	153 U	162 U	1.42 U	138 U	153 U	--	--	100,000,000	7,300
Chrysene	25J	255	32.3 U	0.119 U	27.6 U	30.5 U	1	0.01	210,000	9.2
Dibenz(a,h)anthracene	27.1 U	57	32.3 U	0.095 U	27.6 U	30.5 U	1	0.01	210	0.0092
Dibenzofuran	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	3,100,000	24
Diethylphthalate	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	100,000,000	29,000
Dimethylphthalate	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	100,000,000	360,000
Di-n-butylphthalate	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	62,000,000	3,600
Di-n-octylphthalate	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	25,000,000	1,500
Fluoranthene	**58.5**	**468**	**19.9 J**	0.095 U	27.6 U	30.5 U	80,000	1,000	22,000,000	1,500
Fluorene	27.1 U	**38.7**	32.3 U	0.095 U	27.6 U	**20J**	80,000	1,000	26,000,000	240
Hexachlorobenzene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	1,100	0.042
Hexachlorobutadiene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	22,000	0.86
Hexachlorocyclopentadiene	109 U	122 U	129 U	4.75 U	110 U	122 U	--	--	3,700,000	220
Hexachloroethane	109 U	122 U	129 U	0.95 U	110 U	122 U	2,000	40	120,000	4.8
Indeno(1,2,3-cd)pyrene	14.1J	94.9	32.3 U	0.095 U	27.6 U	30.5 U	1	0.01	2,100	0.092
Isophorone	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	1,800,000	71
N-nitroso-di-n-propylamine	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	250	0.0096
N-Nitrosodiphenylamine	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	350,000	14
Naphthalene	27.1 U	30.5 U	32.3 U	0.285 U	27.6 U	30.5 U	8,000	100	190,000	6.2
Nitrobenzene	109 U	122 U	129 U	0.95 U	110 U	122 U	--	--	100,000	3.4
Pentachlorophenol	109 U	122 U	129 U	R	110 U	122 U	50	0.7	9,000	0.56
Phenanthrene	**22.4 J**	**508**	32.3 U	0.095 U	27.6 U	**36.4**	--	--	na	na
Phenol	109 U	122 U	129 U	R	110 U	122 U	--	--	100,000,000	22,000
Pyrene	60.7	638	21.3 J	0.095 U	27.6 U	**22.4J**	60,000	1,000	29,000,000	180

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050864	03050865	03050866	03050867	03050880	03050881	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24 GW	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg				
1,1,1,2-Tetrachloroethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	7,300	0.43
1,1,1-Trichloroethane	440 U	460 U	507 U	1 U	431 U	467 UJ	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	930	0.055
1,1,2-Trichloroethane	440 U	460 U	507 U	1 U	431 U	467 UJ	8,000	5	1,600	0.02
1,1-Dichloroethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	1,700,000	810
1,1-Dichloroethene	440 U	460 U	507 U	1 U	431 U	467 UJ	0.02	1	410,000	340
1,1-Dichloropropene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	na	na
1,2,3-Trichlorobenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	na	na
1,2,3-Trichloropropane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	11	0.0056
1,2,4-Trichlorobenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	3,000,000	190
1,2,4-Trimethylbenzene	440 U	460 U	507 U	1 U	431 U	**579**	--	--	170,000	12
1,2-Dibromo-3-chloropropane	880 U	920 U	1010 U	1 U	863 U	933	--	--	2,000	0.048
1,2-Dibromoethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	28	0.00076
1,2-Dichlorobenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	370,000	370
1,2-Dichloroethane	440 U	460 U	507 U	2.57 U	431 U	467 UJ	--	--	600	0.12
1,2-Dichloropropane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	740	0.16
1,3,5-Trimethylbenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	70,000	12
1,3-Dichlorobenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	63,000	5.5
1,3-Dichloropropane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	na	na
1,4-Dichlorobenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	7,900	0.5
2,2-Dichloropropane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	na	na
2-Butanone	na	na	na	na	na	na	--	--	27,000,000	1,900
2-Chlorotoluene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	560,000	120
2-Hexanone	na	na	na	na	na	na	--	--	na	na
4-Chlorotoluene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	560,000	120
4-Isopropyltoluene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	na	na
4-Methyl-2-pentanone	na	na	na	na	na	na	--	--	2,800,000	160
Acetone	na	na	na	na	na	na	--	--	6,000,000	610
Benzene	440 U	460 U	507 U	1 U	431 U	467 UJ	2	3	1,300	0.34
Bromobenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	92,000	20
Bromochloromethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	na	na
Bromodichloromethane	440 U	460 U	507 U	1 U	431 U	467 UJ	40	0.07	1,800	0.18
Bromoform	440 U	460 U	507 U	1 U	431 U	467 UJ	700	10	220,000	8.5
Bromomethane	880 U	920 U	1010 U	2.5 U	863 U	933 UJ	3,000	50	13,000	8.7
Carbon disulfide	na	na	na	na	na	na	--	--	720,000	1,000
Carbon Tetrachloride	440 U	460 U	507 U	1 U	431 U	467 UJ	40	0.7	550	0.17
Chlorobenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050864	03050865	03050866	03050867	03050880	03050881	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24	SSA/ BH-24 GW	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	3 - 5	8 - 10				
Description	SB	SB	SB	Groundwater	SB	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/kg	ug/kg				
Chloroethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	6,500	4.6
Chloroform	440 U	460 U	507 U	1 U	431 U	467 UJ	900	10	12,000	6,200
Chloromethane	1,100 U	1,150 U	1,270 U	2 U	1,080 U	1,170 UJ	--	--	2,600	1.5
cis-1,2-Dichloroethene	440 U	460 U	507 U	1 U	431 U	467 UJ	20,000	70	150,000	61
cis-1,3-Dichloropropene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	1,800	0.4
Dibromochloromethane	440 U	460 U	507 U	1 U	431 U	467 UJ	40,000	700	2,600	0.13
Dibromomethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	na	na
Dichlorodifluoromethane	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	310,000	390
Ethylbenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	20,000	700	20,000	2.9
Hexachlorobutadiene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	22,000	0.86
Isopropylbenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	520,000	660
m,p-Xylene	880 U	920 U	1010 U	2 U	863 U	933 UJ	2,500	700	420,000	210
Methylene chloride	440 U	460 U	507 U	2 U	431 U	467 UJ	10	5	21,000	4.3
Methyl tert-butyl ether	na	na	na	na	na	na	--	--	160,000	13
n-Butylbenzene	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	--	--	240,000	240
Naphthalene	440 U	460 U	507 U	2 U	431 U	467 UJ	8,000	100	190,000	6.2
n-Butylbenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	240,000	240
n-Propylbenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	240,000	240
o-Xylene	440 U	460 U	507 U	1 U	431 U	467 UJ	2,500	700	420,000	210
sec-Butylbenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	220,000	240
Styrene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	1,700,000	1,600
t-Butylbenzene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	390,000	240
Tetrachloroethene	440 U	460 U	507 U	**0.515 J**	431 U	467 UJ	10	2	340,000	0.66
Toluene	440 U	460 U	507 U	1 U	431 U	467 UJ	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	440 U	460 U	507 U	1 U	431 U	467 UJ	40,000	100	230,000	120
trans-1,3-Dichloropropene	440 U	460 U	507 U	1 U	431 U	467 UJ	--	--	1,800	0.4
Trichloroethene	440 U	460 U	507 U	**26.3**	431 U	467 UJ	20	5	110	0.028
Trichlorofluoromethane	440 U	460 U	507 U	1 U	431 U	467 UJ	1,500	10,000	2,000,000	1,300
Vinyl chloride	440 U	460 U	507 U	1 U	431 U	467 UJ	0	0.04	750	0.02

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050882	03050883	03050884	03050885	03050886	03050887	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	na				
Description	SB	Groundwater	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/L				
1,2,4-Trichlorobenzene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	3,000,000	190
1,2-Dichlorobenzene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	370,000	370
1,3-Dichlorobenzene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	63,000	5.5
1,4-Dichlorobenzene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	7,900	0.5
2,4,5-Trichlorophenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	62,000,000	3,600
2,4,6-Trichlorophenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	500	8	62,000	3.6
2,4-Dichlorophenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	1,800,000	110
2,4-Dimethylphenol	129 U	5.03 U	107 U	122 U	127 U	5.29 U	--	--	12,000,000	730
2,4-Dinitrophenol	644 U	5.03 U	536 U	608 U	635 U	5.29 U	--	--	1,200,000	73
2,4-Dinitrotoluene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	1,200,000	73
2,6-Dinitrotoluene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	8	0.1	620,000	36
2-Chloronaphthalene	32.3 U	0.101 U	26.8 U	30.4 U	31.7 U	0.106 U	--	--	23,000,000	490
2-Chlorophenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	240,000	30
2-Methylnaphthalene	32.3 U	**1.18**	26.8 U	30.4 U	31.7 U	0.265 U	--	--	na	na
2-Methylphenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	31,000,000	1,800
2-Nitroaniline	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	18,000	1
2-Nitrophenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	na	na
3,3'-Dichlorobenzidine	258 U	5.03 U	0.214 U	243 U	254 U	5.29 U	10	0.2	3,800	0.15
3-&4-Methylphenol	258 U	2.01 U	0.214 U	243 U	254 U	2.12 U	--	--	31,000,000	1,800
3-Nitroaniline	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	na	na
4,6-Dinitro-2-methylphenol	644 U	5.03 U	536 U	608 U	635 U	5.29 U	--	--	1,200,000	73
4-Bromophenylphenylether	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	na	na
4-Chloro-3-methylphenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	na	na
4-Chloroaniline	129 U	1.51 U	107 U	122 U	127 U	1.59 U	--	--	2,500,000	150
4-Chlorophenylphenylether	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	na	na
4-Nitroaniline	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	na	na
4-Nitrophenol	821 U	5.03 U	683 U	775 U	810 U	5.29 U	--	--	na	na
Acenaphthene	32.3 U	0.101 U	26.8 U	30.4 U	31.7 U	0.106 U	100,000	2,000	29,000,000	370
Acenaphthylene	32.3 U	0.101 U	26.8 U	30.4 U	31.7 U	0.106 U	--	--	na	na
Anthracene	32.3 U	0.101 U	26.8 U	30.4 U	31.7 U	0.106 U	600,000	10,000	100,000,000	1,800
Benzo(a)anthracene	32.3 U	0.101 U	26.8 U	**31.8**	31.7 U	0.106 U	1	0.01	2,100	0.092
Benzo(a)pyrene	32.3 U	0.101 U	26.8 U	28.2J	31.7 U	0.106 U	1	0.01	210	0.0092
Benzofluoranthenes	**18.2 J**	0.201 U	26.8 U	40.3	31.7 U	0.212 U	1 --	0.01 --	21,000	0.92
Benzo(g,h,i)perylene	32.3 U	0.101 U	26.8 U	15.6J	31.7 U	0.106 U	--	--	na	na
Benzoic Acid	644 U	5.03 U	536 U	608 U	635 U	5.29 U	--	--	100,000,000	150,000,000

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050882	03050883	03050884	03050885	03050886	03050887	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	na				
Description	SB	Groundwater	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/L				
Benzyl Alcohol	161 U	1.01 U	134 U	152 U	159 U	1.06 U	--	--	100,000,000	11,000
bis(2-Chloroethoxy)methane	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	na	na
bis(2-Chloroethyl)ether	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	550	0.0098
bis(2-Chloroisopropyl)ether	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	7,400	0.27
bis(2-Ethylhexyl)phthalate	129 U	**72.3**	107 U	122 U	127 U	87.5	400	4	120,000	4.8
Butylbenzylphthalate	161 U	1.51 U	134 U	152 U	159 U	1.59 U	--	--	100,000,000	7,300
Chrysene	32.3 U	1.26 U	26.8 U	**35.2**	31.7 U	0.132 U	1	0.01	210,000	9.2
Dibenz(a,h)anthracene	32.3 U	0.101 U	26.8 U	30.4 U	31.7 U	0.106 U	1	0.01	210	0.0092
Dibenzofuran	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	3,100,000	24
Diethylphthalate	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	100,000,000	29,000
Dimethylphthalate	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	100,000,000	360,000
Di-n-butylphthalate	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	62,000,000	3,600
Di-n-octylphthalate	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	25,000,000	1,500
Fluoranthene	**18.7 J**	0.101 U	26.8 U	**47.9**	31.7 U	0.106 U	80,000	1,000	22,000,000	1,500
Fluorene	32.3 U	**0.142**	26.8 U	30.4 U	31.7 U	0.106 U	80,000	1,000	26,000,000	240
Hexachlorobenzene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	1,100	0.042
Hexachlorobutadiene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	22,000	0.86
Hexachlorocyclopentadiene	129 U	5.03 U	107 U	122 U	127 U	5.29 U	--	--	3,700,000	220
Hexachloroethane	129 U	1.01 U	107 U	122 U	127 U	1.06 U	2,000	40	120,000	4.8
Indeno(1,2,3-cd)pyrene	32.3 U	0.101 U	26.8 U	30.4 U	31.7 U	0.106 U	1	0.01	2,100	0.092
Isophorone	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	1,800,000	71
N-nitroso-di-n-propylamine	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	250	0.0096
N-Nitrosodiphenylamine	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	350,000	14
Naphthalene	32.3 U	0.302 U	26.8 U	30.4 U	31.7 U	0.317 U	8,000	100	190,000	6.2
Nitrobenzene	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	100,000	3.4
Pentachlorophenol	129 U	3.27 U	107 U	122 U	127 U	3.44 U	50	0.7	9,000	0.56
Phenanthrene	**16.3 J**	**0.249**	26.8 U	**40.8**	31.7 U	0.106 U	--	--	na	na
Phenol	129 U	1.01 U	107 U	122 U	127 U	1.06 U	--	--	100,000,000	22,000
Pyrene	**24.6J**	0.101 U	26.8 U	**60.8**	31.7 U	0.106 U	60,000	1,000	29,000,000	180

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050882	03050883	03050884	03050885	03050886	03050887	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	na				
Description	SB	Groundwater	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/L				
1,1,1,2-Tetrachloroethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	7,300	0.43
1,1,1-Trichloroethane	495 U	1 U	435 U	494 U	501 U	1 U	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	930	0.055
1,1,2-Trichloroethane	495 U	1 U	435 U	494 U	501 U	1 U	8,000	5	1,600	0.02
1,1-Dichloroethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	1,700,000	810
1,1-Dichloroethene	495 U	1 U	435 U	494 U	501 U	1 U	0.02	1	410,000	340
1,1-Dichloropropene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	na	na
1,2,3-Trichlorobenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	na	na
1,2,3-Trichloropropane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	11	0.0056
1,2,4-Trichlorobenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	3,000,000	190
1,2,4-Trimethylbenzene	495 U	**1.72**	435 U	494 U	501 U	1 U	--	--	170,000	12
1,2-Dibromo-3-chloropropane	989 U	1 U	869 U	987 U	1,000 U	1 U	--	--	2,000	0.048
1,2-Dibromoethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	28	0.00076
1,2-Dichlorobenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	370,000	370
1,2-Dichloroethane	495 U	2.5 U	435 U	494 U	501 U	2.15 U	--	--	600	0.12
1,2-Dichloropropane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	740	0.16
1,3,5-Trimethylbenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	70,000	12
1,3-Dichlorobenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	63,000	5.5
1,3-Dichloropropane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	na	na
1,4-Dichlorobenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	7,900	0.5
2,2-Dichloropropane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	na	na
2-Butanone	na	na	na	na	na	na	--	--	27,000,000	1,900
2-Chlorotoluene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	560,000	120
2-Hexanone	na	na	na	na	na	na	--	--	na	na
4-Chlorotoluene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	560,000	120
4-Isopropyltoluene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	na	na
4-Methyl-2-pentanone	na	na	na	na	na	na	--	--	2,800,000	160
Acetone	na	na	na	na	na	na	--	--	6,000,000	610
Benzene	495 U	1 U	435 U	494 U	501 U	1 U	2	3	1,300	0.34
Bromobenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	92,000	20
Bromochloromethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	na	na
Bromodichloromethane	495 U	1 U	435 U	494 U	501 U	1 U	40	0.07	1,800	0.18
Bromoform	495 U	1 U	435 U	494 U	501 U	1 U	700	10	220,000	8.5
Bromomethane	989 U	2.5 U	869 U	987 U	1,000 U	2.5 U	3,000	50	13,000	8.7
Carbon disulfide	na	na	na	na	na	na	--	--	720,000	1,000
Carbon Tetrachloride	495 U	1 U	435 U	494 U	501 U	1 U	40	0.7	550	0.17
Chlorobenzene	495 U	1 U	435 U	494 U	501 U	1 U	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050882	03050883	03050884	03050885	03050886	03050887	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	NW 35th Ave/ BH-28	NW 35th Ave/ BH-28	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29	NSA/ BH-29				
Sample Depth (feet bgs)	13 - 15	na	3 - 5	8 - 10	13 - 15	na				
Description	SB	Groundwater	SB	SB	SB	Groundwater	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/L	ug/kg	ug/kg	ug/kg	ug/L				
Chloroethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	6,500	4.6
Chloroform	495 U	1 U	435 U	494 U	501 U	1 U	900	10	12,000	6,200
Chloromethane	1,240 U	2 U	1,090 U	1,230 U	1,250 U	2 U	--	--	2,600	1.5
cis-1,2-Dichloroethene	495 U	**17.6**	435 U	494 U	501 U	**171**	20,000	70	150,000	61
cis-1,3-Dichloropropene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	1,800	0.4
Dibromochloromethane	495 U	1 U	435 U	494 U	501 U	1 U	40,000	700	2,600	0.13
Dibromomethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	na	na
Dichlorodifluoromethane	495 U	1 U	435 U	494 U	501 U	1 U	--	--	310,000	390
Ethylbenzene	495 U	1 U	435 U	494 U	501 U	1 U	20,000	700	20,000	2.9
Hexachlorobutadiene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	22,000	0.86
Isopropylbenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	520,000	660
m,p-Xylene	989 U	2 U	869 U	987 U	1,000 U	2 U	2,500	700	420,000	210
Methylene chloride	495 U	2 U	435 U	494 U	501 U	2 U	10	5	21,000	4.3
Methyl tert-butyl ether	na	na	na	na	na	na	--	--	160,000	13
n-Butylbenzene	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	--	--	240,000	240
Naphthalene	495 U	2 U	435 U	494 U	501 U	2 U	8,000	100	190,000	6.2
n-Butylbenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	240,000	240
n-Propylbenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	240,000	240
o-Xylene	495 U	1 U	435 U	494 U	501 U	1 U	2,500	700	420,000	210
sec-Butylbenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	220,000	240
Styrene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	1,700,000	1,600
t-Butylbenzene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	390,000	240
Tetrachloroethene	495 U	1 U	435 U	494 U	501 U	1 U	10	2	340,000	0.66
Toluene	495 U	1 U	435 U	494 U	501 U	1 U	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	495 U	1 U	435 U	494 U	501 U	**4.76**	40,000	100	230,000	120
trans-1,3-Dichloropropene	495 U	1 U	435 U	494 U	501 U	1 U	--	--	1,800	0.4
Trichloroethene	495 U	**0.74 J**	435 U	494 U	501 U	**6.22**	20	5	110	0.028
Trichlorofluoromethane	495 U	1 U	435 U	494 U	501 U	1 U	1,500	10,000	2,000,000	1,300
Vinyl chloride	495 U	1 U	435 U	494 U	501 U	1 U	0	0.04	750	0.02

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050892	03050893	03050894	03050895	03050896	03050897	03050898	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	GWRB2	SSA/Baker Tank	Upgradient/ BH-32				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	na	na	3 - 5				
Description	SB	SB	SB	Groundwater	Water Rinsate	SFVP4117L	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/l	ug/l	ug/kg				
1,2,4-Trichlorobenzene	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	3,000,000	190
1,2-Dichlorobenzene	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	370,000	370
1,3-Dichlorobenzene	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	63,000	5.5
1,4-Dichlorobenzene	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	7,900	0.5
2,4,5-Trichlorophenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	62,000,000	3,600
2,4,6-Trichlorophenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	500	8	62,000	3.6
2,4-Dichlorophenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	1,800,000	110
2,4-Dimethylphenol	108 U	109 U	125 U	5.14 U	4.77 U		104 U	--	--	12,000,000	730
2,4-Dinitrophenol	538 U	545 U	625 U	5.14 U	4.77 U		518 U	--	--	1,200,000	73
2,4-Dinitrotoluene	108 U	109 U	125 U	1.03 U	0.953 U	0.975 U	104 U	--	--	1,200,000	73
2,6-Dinitrotoluene	108 U	109 U	125 U	1.03 U	0.953 U		104 U	8	0.1	620,000	36
2-Chloronaphthalene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	--	--	23,000,000	490
2-Chlorophenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	240,000	30
2-Methylnaphthalene	26.9 U	27.2 U	31.2 U	0.257 U	0.238 U		25.9 U	--	--	na	na
2-Methylphenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	31,000,000	1,800
2-Nitroaniline	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	18,000	1
2-Nitrophenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	na	na
3,3'-Dichlorobenzidine	215 U	218 U	250 U	5.14 U	4.77 U		207 U	10	0.2	3,800	0.15
3-&4-Methylphenol	215 U	218 U	250 U	2.06 U	1.91 U		207 U	--	--	31,000,000	1,800
3-Nitroaniline	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	na	na
4,6-Dinitro-2-methylphenol	538 U	545 U	625 U	5.14 U	4.77 U		518 U	--	--	1,200,000	73
4-Bromophenylphenylether	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	na	na
4-Chloro-3-methylphenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	na	na
4-Chloroaniline	108 U	109 U	125 U	1.54 U	1.43 U		104 U	--	--	2,500,000	150
4-Chlorophenylphenylether	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	na	na
4-Nitroaniline	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	na	na
4-Nitrophenol	687 U	694 U	796 U	5.14 U	4.77 U		660 U	--	--	na	na
Acenaphthene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	100,000	2,000	29,000,000	370
Acenaphthylene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	--	--	na	na
Anthracene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	600,000	10,000	100,000,000	1,800
Benzo(a)anthracene	26.9 U	17J	31.2 U	0.103 U	0.0953 U		25.9 U	1	0.01	2,100	0.092
Benzo(a)pyrene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	1	0.01	210	0.0092
Benzofluoranthenes	26.9 U	24.8J	31.2 U	0.206 U	0.191 U		25.9 U	1 --	0.01 --	21,000	0.92
Benzo(g,h,i)perylene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	--	--	na	na
Benzoic Acid	538 UJ	545 UJ	625 UJ	5.14 UJ	4.77 UJ		518 UJ	--	--	100,000,000	150,000,000

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050892	03050893	03050894	03050895	03050896	03050897	03050898	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	GWRB2	SSA/Baker Tank	Upgradient/ BH-32				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	na	na	3 - 5				
Description	SB	SB	SB	Groundwater	Water Rinsate	SFVP4117L	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/l	ug/l	ug/kg				
Benzyl Alcohol	135 U	136 U	156 U	1.03 U	0.953 U		130 U	--	--	100,000,000	11,000
bis(2-Chloroethoxy)methane	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	na	na
bis(2-Chloroethyl)ether	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	550	0.0098
bis(2-Chloroisopropyl)ether	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	7,400	0.27
bis(2-Ethylhexyl)phthalate	108 U	109 U	125 U	70.2	7.15 U		104 U	400	4	120,000	4.8
Butylbenzylphthalate	135 U	136 U	156 U	1.54 U	1.43 U		130 U	--	--	100,000,000	7,300
Chrysene	26.9 U	22.8J	31.2 U	0.128 U	0.119 U		25.9 U	1	0.01	210,000	9.2
Dibenz(a,h)anthracene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	1	0.01	210	0.0092
Dibenzofuran	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	3,100,000	24
Diethylphthalate	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	100,000,000	29,000
Dimethylphthalate	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	100,000,000	360,000
Di-n-butylphthalate	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	62,000,000	3,600
Di-n-octylphthalate	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	25,000,000	1,500
Fluoranthene	26.9 U	**16.1 J**	31.2 U	0.103 U	0.0953 U		25.9 U	80,000	1,000	22,000,000	1,500
Fluorene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	80,000	1,000	26,000,000	240
Hexachlorobenzene	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	1,100	0.042
Hexachlorobutadiene	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	22,000	0.86
Hexachlorocyclopentadiene	108 U	109 U	125 U	5.14 U	4.77 U		104 U	--	--	3,700,000	220
Hexachloroethane	108 U	109 U	125 U	1.03 U	0.953 U		104 U	2,000	40	120,000	4.8
Indeno(1,2,3-cd)pyrene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	1	0.01	2,100	0.092
Isophorone	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	1,800,000	71
N-nitroso-di-n-propylamine	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	250	0.0096
N-Nitrosodiphenylamine	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	350,000	14
Naphthalene	26.9 U	27.2 U	31.2 U	0.308 U	0.286 U		25.9 U	8,000	100	190,000	6.2
Nitrobenzene	108 U	109 U	125 U	1.03 U	0.953 U	0.975 U	104 U	--	--	100,000	3.4
Pentachlorophenol	108 U	109 U	125 U	3.34 U	3.1 U	3.1 7 U	104 U	50	0.7	9,000	0.56
Phenanthrene	26.9 U	27.2 U	31.2 U	0.103 U	0.0953 U		25.9 U	--	--	na	na
Phenol	108 U	109 U	125 U	1.03 U	0.953 U		104 U	--	--	100,000,000	22,000
Pyrene	26.9 U	**21.6J**	31.2 U	0.103 U	0.0953 U		25.9 U	60,000	1,000	29,000,000	180

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Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03080892	03050893	03050894	03050895	03050896	03050897	03050898	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	GWRB2	SSA/Baker Tank	Upgradient/ BH-32				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	na	na	3 - 5				
Description	SB	SB	SB	Groundwater	Water Rinsate	SFVP4117L	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/kg				
1,1,1,2-Tetrachloroethane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	7,300	0.43
1,1,1-Trichloroethane	421 U	411 U	490 U	1 U	1 U		419 U	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	930	0.055
1,1,2-Trichloroethane	421 U	411 U	490 U	1 U	1 U		419 U	8,000	5	1,600	0.02
1,1-Dichloroethane	421 U	411 U	490 U	1 U	1 U	1 U	419 U	--	--	1,700,000	810
1,1-Dichloroethene	421 U	411 U	490 U	1 U	1 U		419 U	0.02	1	410,000	340
1,1-Dichloropropene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	na	na
1,2,3-Trichlorobenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	na	na
1,2,3-Trichloropropane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	11	0.0056
1,2,4-Trichlorobenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	3,000,000	190
1,2,4-Trimethylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	170,000	12
1,2-Dibromo-3-chloropropane	843 U	822 U	843 U	1 U	1 U		837 U	--	--	2,000	0.048
1,2-Dibromoethane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	28	0.00076
1,2-Dichlorobenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	370,000	370
1,2-Dichloroethane	421 U	411 U	490 U	2.69 U	**1.75**		419 U	--	--	600	0.12
1,2-Dichloropropane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	740	0.16
1,3,5-Trimethylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	70,000	12
1,3-Dichlorobenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	63,000	5.5
1,3-Dichloropropane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	na	na
1,4-Dichlorobenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	7,900	0.5
2,2-Dichloropropane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	na	na
2-Butanone	na	na	na	na	na	na	na	--	--	27,000,000	1,900
2-Chlorotoluene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	560,000	120
2-Hexanone	na	na	na	na	na	na	na	--	--	na	na
4-Chlorotoluene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	560,000	120
4-Isopropyltoluene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	na	na
4-Methyl-2-pentanone	na	na	na	na	na	na	na	--	--	2,800,000	160
Acetone	na	na	na	na	na	na	na	--	--	6,000,000	610
Benzene	421 U	411 U	490 U	1 U	1 U		419 U	2	3	1,300	0.34
Bromobenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	92,000	20
Bromochloromethane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	na	na
Bromodichloromethane	421 U	411 U	490 U	1 U	1 U		419 U	40	0.07	1,800	0.18
Bromoform	421 U	411 U	490 U	1 U	1 U		419 U	700	10	220,000	8.5
Bromomethane	843 U	822 U	979 U	2.5 U	2.5 U		837 U	3,000	50	13,000	8.7
Carbon disulfide	na	na	na	na	na	na	na	--	--	720,000	1,000
Carbon Tetrachloride	421 U	411 U	490 U	1 U	1 U		419 U	40	0.7	550	0.17
Chlorobenzene	421 U	411 U	490 U	1 U	1 U	1 U	419 U	40,000	700	530,000	110

Key is on the last page.

Table D-8

COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03080892	03050893	03050894	03050895	03050896	03050897	03050898	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	Carson Oil Property/ BH-31	GWRB2	SSA/Baker Tank	Upgradient/ BH-32				
Sample Depth (feet bgs)	3 - 5	8 - 10	13 - 15	na	na	na	3 - 5				
Description	SB	SB	SB	Groundwater	Water Rinsate	SFVP4117L	SB	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/kg	ug/L	ug/L	ug/L	ug/kg				
Chloroethane	R	R	R	1 U	1 U		R	--	--	6,500	4.6
Chloroform	421 U	411 U	490 U	1 U	1 U	1 U	419 U	900	10	12,000	6,200
Chloromethane	1050 U	1030 U	1220 U	2 U	2 U		1,050 U	--	--	2,600	1.5
cis-1,2-Dichloroethene	421 U	411 U	490 U	1 U	1 U		419 U	20,000	70	150,000	61
cis-1,3-Dichloropropene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	1,800	0.4
Dibromochloromethane	421 U	411 U	490 U	1 U	1 U		419 U	40,000	700	2,600	0.13
Dibromomethane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	na	na
Dichlorodifluoromethane	421 U	411 U	490 U	1 U	1 U		419 U	--	--	310,000	390
Ethylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	20,000	700	20,000	2.9
Hexachlorobutadiene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	22,000	0.86
Isopropylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	520,000	660
m,p-Xylene	843 U	822 U	843 U	2 U	2 U		837 U	2,500	700	420,000	210
Methylene chloride	421 U	411 U	490 U	2 U	2 U		419 U	10	5	21,000	4.3
Methyl tert-butyl ether	na	na	na	na	na	na	na	--	--	160,000	13
n-Butylbenzene	na	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	na	--	--	240,000	240
Naphthalene	421 U	411 U	490 U	2 U	2 U		419 U	8,000	100	190,000	6.2
n-Butylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	240,000	240
n-Propylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	240,000	240
o-Xylene	421 U	411 U	490 U	1 U	1 U		419 U	2,500	700	420,000	210
sec-Butylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	220,000	240
Styrene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	1,700,000	1,600
t-Butylbenzene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	390,000	240
Tetrachloroethene	421 U	411 U	490 U	**7**	1 U		419 U	10	2	340,000	0.66
Toluene	421 U	411 U	490 U	1 U	1 U		419 U	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	421 U	411 U	490 U	1 U	1 U		419 U	40,000	100	230,000	120
trans-1,3-Dichloropropene	421 U	411 U	490 U	1 U	1 U		419 U	--	--	1,800	0.4
Trichloroethene	421 U	411 U	490 U	**57.1**	1 U	1 U	419 U	20	5	110	0.028
Trichlorofluoromethane	421 U	411 U	490 U	1 U	1 U		419 U	1,500	10,000	2,000,000	1,300
Vinyl chloride	421 U	411 U	490 U	1 U	1 U		419 U	0	0.04	750	0.02

Key is on the last page.

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COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050899	03050900	03050901	03050905	03050906	03070910	03070911	03070912	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	Upgradient/ BH-32	Upgradient/ BH-32	Upgradient/ BH-32	SSA/ BH-33	SSA/ Trench	SSA/20,000 Baker	WWTA/3,000 Baker	TB				
Sample Depth (feet bgs)	8 - 10	13 - 15	na	na	na	na	na	na				
Description	SB	SB	Groundwater	Groundwater	SB	PD	PD	Trip Blank	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/l	ug/l					
1,2,4-Trichlorobenzene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	3,000,000	190
1,2-Dichlorobenzene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	370,000	370
1,3-Dichlorobenzene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	63,000	5.5
1,4-Dichlorobenzene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	7,900	0.5
2,4,5-Trichlorophenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	--	--	62,000,000	3,600
2,4,6-Trichlorophenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	500	8	62,000	3.6
2,4-Dichlorophenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	--	--	1,800,000	110
2,4-Dimethylphenol	106 U	125 U	R	5.66 U	106 U	4.97 U	4.74 U	na	--	--	12,000,000	730
2,4-Dinitrophenol	528 U	625 U	R	5.66 U	530 U	4.97 U	4.74 U	na	--	--	1,200,000	73
2,4-Dinitrotoluene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	1,200,000	73
2,6-Dinitrotoluene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	8	0.1	620,000	36
2-Chloronaphthalene	26.4 U	31.3 U	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	--	--	23,000,000	490
2-Chlorophenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	--	--	240,000	30
2-Methylnaphthalene	26.4 U	31.3 U	0.256 U	0.283 U	26.5 U	0.994 U	0.949 U	na	--	--	na	na
2-Methylphenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	--	--	31,000,000	1,800
2-Nitroaniline	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	18,000	1
2-Nitrophenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	--	--	na	na
3,3'-Dichlorobenzidine	211 U	250 U	5.11 U	5.66 U	212 U	4.97 U	4.74 U	na	10	0.2	3,800	0.15
3-&4-Methylphenol	211 U	250 U	R	2.26 U	212 U	0.994 U	0.949 U	na	--	--	31,000,000	1,800
3-Nitroaniline	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	na	na
4,6-Dinitro-2-methylphenol	528 U	625 U	R	5.66 U	530 U	4.97 U	4.74 U	na	--	--	1,200,000	73
4-Bromophenylphenylether	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	na	na
4-Chloro-3-methylphenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	--	--	na	na
4-Chloroaniline	106 U	125 U	1.53 U	1.7 U	106 U	0.994 U	0.949 U	na	--	--	2,500,000	150
4-Chlorophenylphenylether	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	na	na
4-Nitroaniline	106 U	125 U	1.02 U	1.13 U	106 U	----	---	na	--	--	na	na
4-Nitrophenol	674 U	797 U	R	5.66 U	676 U	4.97 U	4.74 U	na	--	--	na	na
Acenaphthene	26.4 U	31.3 U	1.02 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	100,000	2,000	29,000,000	370
Acenaphthylene	**22.3 J**	31.3 U	1.02 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	--	--	na	na
Anthracene	**27.2**	31.3 U	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	600,000	10,000	100,000,000	1,800
Benzo(a)anthracene	**285**	**26.7 J**	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	1	0.01	2,100	0.092
Benzo(a)pyrene	**563**	**72.3**	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	1	0.01	210	0.0092
Benzofluoranthenes	**714**	**59.8**	0.204 U	0.226 U	26.5 U	0.199 U	0.19 U	na	1 --	0.01 --	21,000	0.92
Benzo(g,h,i)perylene	**597**	**38.2**	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	--	--	na	na
Benzoic Acid	528 UJ	625 UJ	R	5.66 UJ	530 UJ	0.994 U	0.949 U	na	--	--	100,000,000	150,000,000

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COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050899	03050900	03050901	03050905	03050906	03070910	03070911	03070912	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	Upgradient/ BH-32	Upgradient/ BH-32	Upgradient/ BH-32	SSA/ BH-33	SSA/ Trench	SSA/20,000 Baker	WWTA/3,000 Baker	TB				
Sample Depth (feet bgs)	8 - 10	13 - 15	na	na	na	na	na	na				
Description	SB	SB	Groundwater	Groundwater	SB	PD	PD	Trip Blank	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
SVOCs	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/l	ug/l					
Benzyl Alcohol	132 U	156 U	R	1.13 U	133 U	0.994 U	0.949 U	na	--	--	100,000,000	11,000
bis(2-Chloroethoxy)methane	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	na	na
bis(2-Chloroethyl)ether	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	550	0.0098
bis(2-Chloroisopropyl)ether	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	7,400	0.27
bis(2-Ethylhexyl)phthalate	106 U	125 U	**23.8**	**85.7**	106 U	7.46 U	7.12 U	na	400	4	120,000	4.8
Butylbenzylphthalate	132 U	156 U	1.53 U	1.7 U	133 U	1.49 U	0.949 U	na	--	--	100,000,000	7,300
Chrysene	**399**	**33.2**	0.128 U	0.141	26.5 U	0.124 U	0.949 U	na	1	0.01	210,000	9.2
Dibenz(a,h)anthracene	**117**	31.3 U	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	1	0.01	210	0.0092
Dibenzofuran	106 U	125 U	1.02 U	1.13 U	106 U	---	---	na	--	--	3,100,000	24
Diethylphthalate	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	100,000,000	29,000
Dimethylphthalate	106 U	125 U	1.02 U	1.13 U	106 U	**1.12**	**0.907 J**	na	--	--	100,000,000	360,000
Di-n-butylphthalate	106 U	125 U	1.02 U	1.13 U	106 U	2.49 U	2.37 U	na	--	--	62,000,000	3,600
Di-n-octylphthalate	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	25,000,000	1,500
Fluoranthene	**739**	**55.1**	**0.154**	0.113 U	26.5 U	**0.08 J**	**0.0694 J**	na	80,000	1,000	22,000,000	1,500
Fluorene	26.4 U	31.3 U	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	80,000	1,000	26,000,000	240
Hexachlorobenzene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	1,100	0.042
Hexachlorobutadiene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	22,000	0.86
Hexachlorocyclopentadiene	106 U	125 U	5.11 U	5.66 U	106 U	4.97 U	4.74 U	na	--	--	3,700,000	220
Hexachloroethane	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	2,000	40	120,000	4.8
Indeno(1,2,3-cd)pyrene	**342**	**24 J**	0.102 U	0.113 U	26.5 U	0.0994 U	0.0949 U	na	1	0.01	2,100	0.092
Isophorone	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	1,800,000	71
N-nitroso-di-n-propylamine	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	250	0.0096
N-Nitrosodiphenylamine	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	350,000	14
Naphthalene	26.4 U	31.3 U	0.307 U	0.339 U	26.5 U	**2.37**	**0.271 J**	na	8,000	100	190,000	6.2
Nitrobenzene	106 U	125 U	1.02 U	1.13 U	106 U	0.994 U	0.949 U	na	--	--	100,000	3.4
Pentachlorophenol	106 U	125 U	R	3.68 U	106 U	3.23 U	3.08 U	na	50	0.7	9,000	0.56
Phenanthrene	**281**	**26 J**	**0.211**	0.113 U	26.5 U	**0.385**	0.949 U	na	--	--	na	na
Phenol	106 U	125 U	R	1.13 U	106 U	0.994 U	0.949 U	na	--	--	100,000,000	22,000
Pyrene	**1090**	**80.5**	**0.203**	0.113 U	26.5 U	0.0994 U	**0.0485 J**	na	60,000	1,000	29,000,000	180

Key is on the last page.

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COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	03050899	03050900	03050901	03050905	03050906	03070910	03070911	03070912	Oregon Cleanup Concentrations		EPA Region 9 PRGs	
Station ID	Upgradient/ BH-32	Upgradient/ BH-32	Upgradient/ BH-32	SSA/ BH-33	SSA/ Trench	SSA/20,000 Baker	WWTA/3,000 Baker	TB				
Sample Depth (feet bgs)	8 - 10	13 - 15	na	na	na	na	na	na				
Description	SB	SB	Groundwater	Groundwater	SB	PD	PD	Trip Blank	Soil (mg/kg)	Water (ug/l)	Soil (ug/kg)	Water (ug/l)
VOCs	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/l	ug/l	ug/l				
1,1,1,2-Tetrachloroethane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	7,300	0.43
1,1,1-Trichloroethane	429 U	488 U	1 U	1 U	403 U	---	---	---	9,000	200	1,200,000	3,200
1,1,2,2-Tetrachloroethane	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	--	--	930	0.055
1,1,2-Trichloroethane	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	8,000	5	1,600	0.02
1,1-Dichloroethane	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	--	--	1,700,000	810
1,1-Dichloroethene	429 U	488 U	1 U	1 U	403 U	**1.88 J**	1.0 U	1.0 U	0.02	1	410,000	340
1,1-Dichloropropene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	na	na
1,2,3-Trichlorobenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	na	na
1,2,3-Trichloropropane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	11	0.0056
1,2,4-Trichlorobenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	3,000,000	190
1,2,4-Trimethylbenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	170,000	12
1,2-Dibromo-3-chloropropane	859 U	977 U	1 U	1 U	806 U	---	---	---	--	--	2,000	0.048
1,2-Dibromoethane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	28	0.00076
1,2-Dichlorobenzene	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	--	--	370,000	370
1,2-Dichloroethane	429 U	488 U	3.8 U	1.7 U	403 U	1.0 U	1.0 U	1.0 U	--	--	600	0.12
1,2-Dichloropropane	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	--	--	740	0.16
1,3,5-Trimethylbenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	70,000	12
1,3-Dichlorobenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	63,000	5.5
1,3-Dichloropropane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	na	na
1,4-Dichlorobenzene	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	--	--	7,900	0.5
2,2-Dichloropropane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	na	na
2-Butanone	na	na	na	na	na			na	--	--	27,000,000	1,900
2-Chlorotoluene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	560,000	120
2-Hexanone	na	na	na	na	na			na	--	--	na	na
4-Chlorotoluene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	560,000	120
4-Isopropyltoluene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	na	na
4-Methyl-2-pentanone	na	na	na	na	na			na	--	--	2,800,000	160
Acetone	na	na	na	na	na			na	--	--	6,000,000	610
Benzene	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	2	3	1,300	0.34
Bromobenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	92,000	20
Bromochloromethane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	na	na
Bromodichloromethane	429 U	488 U	1 U	1 U	403 U	**80.8 J**	1.0 U	1.0 U	40	0.07	1,800	0.18
Bromoform	429 U	488 U	1 U	1 U	403 U	**0.565 J**	1.0 U	1.0 U	700	10	220,000	8.5
Bromomethane	859 U	977 U	2.5 U	2.5 U	806 U	2.5 U	**4.36 J**	2.5 U	3,000	50	13,000	8.7
Carbon disulfide	na	na	na	na	na	720,000	1,000	na	--	--	720,000	1,000
Carbon Tetrachloride	429 U	488 U	1 U	1 U	403 U	---	---	---	40	0.7	550	0.17
Chlorobenzene	429 U	488 U	1 U	1 U	403 U	0.821 J	1.0 U	1.0 U	40,000	700	530,000	110

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COLUMBIA AMERICA PLATING
ANALYTICAL RESULTS FROM JUNE 2003 FIELD EVENT
PORTLAND, OREGON

EPA Sample ID	**03050899**	**03050900**	**03050901**	**03050905**	**03050906**	**03070910**	**03070911**	**03070912**	**Oregon Cleanup Concentrations**		**EPA Region 9 PRGs**	
Station ID	**Upgradient/ BH-32**	**Upgradient/ BH-32**	**Upgradient/ BH-32**	**SSA/ BH-33**	**SSA/ Trench**	**SSA/20,000 Baker**	**WWTA/3,000 Baker**	**TB**				
Sample Depth (feet bgs)	**8 - 10**	**13 - 15**	**na**	**na**	**na**	**na**	**na**	**na**				
Description	**SB**	**SB**	**Groundwater**	**Groundwater**	**SB**	**PD**	**PD**	**Trip Blank**	**Soil (mg/kg)**	**Water (ug/l)**	**Soil (ug/kg)**	**Water (ug/l)**
VOCs	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/l	ug/l	ug/l				
Chloroethane	R	R	R	R	R	**3.37 J**	1.0 U	1.0 U	--	--	6,500	4.6
Chloroform	429 U	488 U	1 U	1 U	403 U	---	---	---	900	10	12,000	6,200
Chloromethane	1,070 U	1,220 U	2 U	2 U	1010 U	2.0 U	**5.22 J**	2.0 U	--	--	2,600	1.5
cis-1,2-Dichloroethene	429 U	488 U	1 U	1 U	403 U	---	---	---	20,000	70	150,000	61
cis-1,3-Dichloropropene	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	--	--	1,800	0.4
Dibromochloromethane	429 U	488 U	1 U	1 U	403 U	**9.59 J**	1.0 U	1.0 U	40,000	700	2,600	0.13
Dibromomethane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	na	na
Dichlorodifluoromethane	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	310,000	390
Ethylbenzene	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	20,000	700	20,000	2.9
Hexachlorobutadiene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	22,000	0.86
Isopropylbenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	520,000	660
m,p-Xylene	859 U	977 U	2 U	2 U	806 U	2.0 U	2.0 U	2.0 U	2,500	700	420,000	210
Methylene chloride	429 U	488 U	2 U	2 U	403 U	**6.4 J**	2.0 U	2.0 U	10	5	21,000	4.3
Methyl tert-butyl ether	na	na	na	na	na	na	na	na	--	--	160,000	13
n-Butylbenzene	na	na	na	na	na	na	na	na	--	--	240,000	240
n-Propylbenzene	na	na	na	na	na	na	na	na	--	--	240,000	240
Naphthalene	429 U	488 U	2 U	2 U	403 U	---	---	---	8,000	100	190,000	6.2
n-Butylbenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	240,000	240
n-Propylbenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	240,000	240
o-Xylene	429 U	488 U	1 U	1 U	403 U	**1.34 J**	**84.3 J**	---	2,500	700	420,000	210
sec-Butylbenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	220,000	240
Styrene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	1,700,000	1,600
t-Butylbenzene	429 U	488 U	1 U	1 U	403 U	---	---	---	--	--	390,000	240
Tetrachloroethene	429 U	488 U	1 U	**0.512J**	403 U	1.0 U	1.0 U	1.0 U	10	2	340,000	0.66
Toluene	429 U	488 U	1 U	1 U	403 U	1.0 U	**11.3 J**	1.0 U	6,000	1,000	520,000	720
trans-1,2-Dichloroethene	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	40,000	100	230,000	120
trans-1,3-Dichloropropene	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	--	--	1,800	0.4
Trichloroethene	429 U	488 U	1 U	**2.42**	403 U	1.0 U	1.0 U	1.0 U	20	5	110	0.028
Trichlorofluoromethane	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	1,500	10,000	2,000,000	1,300
Vinyl chloride	429 U	488 U	1 U	1 U	403 U	1.0 U	1.0 U	1.0 U	0	0.04	750	0.02

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Key

--- = not analyzed for this parameter
bgs = below ground surface
BH = borehole
EPA = Environmental Protection Agency
HARB = Hand Auger Rinsate Blank
ID = identification
J = estimated quantity
mg/L = milligrams per liter
mg/kg = milligrams per kilogram
MS/MSD = Matrix Spike/Matrix Spike Duplicate
na = not applicable
NSA = North Storage Area
NW = Northwest
PRG = Preliminary remediation goal
PS = Plating Shop
R = result rejected
RB = Rinsate Blank
SRB = Soil Rinsate Blank
SSA = South Storage Area
SVOCs = Semi-Volatile Organic Compounds
TB = Trip Blank
ug/L = micrograms per liter
ug/kg = micrograms per kilogram
U = not detected above the indicated detection limit
UJ = estimated detection limit
VOCs = Volatile Organic Compounds