

Tables

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Data Entry: KP/KOB
Checked: CD
ENSR Australia Pty Ltd. (trading as AECOM)

ChemName			Units	EQL	ANZECC (2000) Interim Sediment Quality Guidelines - Low	ANZECC (2000) Interim Sediment Quality Guidelines -	NSW EPA (1994) Service Station Guidelines	NEPM 1999 HIL F																									
PAH (Ultra trace) - NORMALISED TO 1% TOC	2-(acetylamino) fluorene	µg/kg	100						<100	<100	-	<100	<100	<100	<100	-	<100	<100	<100	<100	<100	<100	-	-	-	<100	<100	<100					
	2-methylnaphthalene	µg/kg	10						111	<10	-	73	163	<10	<10	-	204	9	1023	819	1589	-	-	-	-	107	16	<10					
	3-methylcholanthrene	µg/kg	10						<10	<10	-	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-	-	<10	<10	<10					
	7,12-dimethylbenz(a)anthracene	µg/kg	10						<10	<10	-	<10	<10	<10	<10	-	<10	<10	<10	<10	<10	-	-	-	-	<10	<10	<10					
	Acenaphthene	µg/kg	10	16	500				<10	<10	-	78	34	<10	<10	-	41	<10	220	135	339	-	-	-	-	20	3	<10					
	Acenaphthylene	µg/kg	10	44	640				56	<10	-	73	132	<10	<10	-	122	<10	915	666	1242	-	-	-	-	107	18	<10					
	Anthracene	µg/kg	10	85	1100				111	<10	-	259	75	<10	<10	-	156	9	979	539	1129	-	-	-	-	167	28	<10					
	Benz(a)anthracene	µg/kg	10	261	1600				20	30	-	1000	290	<10	<10	-	230	10	3780	2080	1400	-	-	-	-	250	110	<10					
	Benzo(a) pyrene	µg/kg	10	430	1600	1000	500 000	111	<10	-	223	93	7	<10	-	156	17	987	645	1508	-	-	-	-	167	28	<10						
	Benzo(b)fluoranthene	µg/kg	10					167	<10	-	249	106	7	<10	-	190	26	969	785	1806	-	-	-	-	200	39	<10						
	Benzo(e)pyrene	µg/kg	10					56	<10	-	137	60	<10	<10	-	116	17	609	399	976	-	-	-	-	107	21	<10						
	Benzo(g,h,i)perylene	µg/kg	10					56	<10	-	163	49	<10	<10	-	95	9	746	402	968	-	-	-	-	87	16	<10						
	Benzo(k)fluoranthene	µg/kg	10					<10	<10	-	101	39	<10	<10	-	75	<10	337	228	581	-	-	-	-	67	13	<10						
	Chrysene	µg/kg	10	384	2800			111	<10	-	238	70	<10	<10	-	163	17	909	495	1121	-	-	-	-	160	28	<10						
	Coronene	µg/kg	10					<10	<10	-	44	16	<10	<10	-	27	<10	332	168	371	-	-	-	-	20	5	<10						
	Dibenz(a,h)anthracene	µg/kg	10	63	260			<10	<10	-	39	13	<10	<10	-	27	<10	171	101	274	-	-	-	-	27	5	<10						
	Fluoranthene	µg/kg	10	600	5100			278	<10	-	736	205	14	<10	-	279	26	2642	1293	2742	-	-	-	-	280	60	<10						
	Fluorene	µg/kg	10	19	540			56	<10	-	80	98	<10	<10	-	88	<10	801	508	992	-	-	-	-	73	13	<10						
	Indeno(1,2,3-c,d)pyrene	µg/kg	10					56	<10	-	150	47	<10	<10	-	88	<10	650	365	863	-	-	-	-	87	16	<10						
	Naphthalene	µg/kg	10	160	2100			778	<10	-	969	2249	68	6	-	2143	121	21166	11477	18387	-												

* Sediment quality value is derived from Chronic Marine

							Field ID		VC12_0.2-0.3	VC12_1.0-1.1	VC12_2.1-2.2	VC12_3.2-3.3
							LocCode		VC12	VC12	VC12	VC12
							Sample_Depth		0.2-0.3	1-1.1	2.1-2.2	3.2-3.3
							Sampled_Date-Time		40009.00	40009.00	40009.00	40009.00
							Matrix_Type		SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
ChemName		Units	EQL	ANZECC (2000) Interim Sediment Quality Guidelines - Low	ANZECC (2000) Interim Sediment Quality Guidelines -	NSW EPA (1994) Service Station Guidelines	NEPM 1999 HIL F					
Organochlorine Pesticides (Ultra-trace)	4,4-DDE	µg/kg	0.5	2.2	27			-	-	-	-	
	a-BHC	µg/kg	0.5					-	-	-	-	
	Aldrin	µg/kg	0.5					-	-	-	-	
	b-BHC	µg/kg	0.5					-	-	-	-	
	chlordan	µg/kg	0.5	0.5	6		250000	-	-	-	-	
	Chlordane (cis)	µg/kg	0.5					-	-	-	-	
	Chlordane (trans)	µg/kg	0.5					-	-	-	-	
	d-BHC	µg/kg	0.5					-	-	-	-	
	DDD	µg/kg	0.5	2	20			-	-	-	-	
	DDT	µg/kg	0.5	1.6	46			-	-	-	-	
	Dieldrin	µg/kg	0.5	0.02	8			-	-	-	-	
	Endosulfan	µg/kg	0.5					-	-	-	-	
	Endosulfan I	µg/kg	0.5					-	-	-	-	
	Endosulfan II	µg/kg	0.5					-	-	-	-	
	Endosulfan sulphate	µg/kg	0.5					-	-	-	-	
	Endrin	µg/kg	0.5	0.02	8			-	-	-	-	
	Endrin aldehyde	µg/kg	0.5					-	-	-	-	
	Endrin ketone	µg/kg	0.5					-	-	-	-	
	g-BHC (Lindane)	µg/kg	0.5	0.32	1			-	-	-	-	
	Heptachlor	µg/kg	0.5				50000	-	-	-	-	
Heptachlor epoxide	µg/kg	0.5					-	-	-	-		
Hexachlorobenzene	µg/kg	0.5					-	-	-	-		
Methoxychlor	µg/kg	0.5					-	-	-	-		
Oxychlordan	µg/kg	0.5					-	-	-	-		
TBT	Tributyltin	µgSn/kg	0.5	5	70		0.7	-	-	-	-	
Phenols	2,4,5-trichlorophenol	mg/kg	0.5					-	-	<0.5	-	
	2,4,6-trichlorophenol	mg/kg	0.5					-	-	<0.5	-	
	2,4-dichlorophenol	mg/kg	0.5					-	-	<0.5	-	
	2,4-dimethylphenol	mg/kg	0.5					-	-	<0.5	-	
	2,6-dichlorophenol	mg/kg	0.5					-	-	<0.5	-	
	2-chlorophenol	mg/kg	0.5					-	-	<0.5	-	
	2-methylphenol	mg/kg	0.5					-	-	<0.5	-	
	2-nitrophenol	mg/kg	0.5					-	-	<0.5	-	
	3-&4-methylphenol	mg/kg	1					-	-	<1	-	
	4-chloro-3-methylphenol	mg/kg	0.5					-	-	<0.5	-	
	Pentachlorophenol	mg/kg	2					-	-	<2	-	
	Phenol	mg/kg	0.5				42500	-	-	<0.5	-	
PCBs (Ultra-trace)	Arochlor 1016	µg/kg	5					-	-	-	-	
	Arochlor 1221	µg/kg	5					-	-	-	-	
	Arochlor 1232	µg/kg	5					-	-	-	-	
	Arochlor 1242	µg/kg	5					-	-	-	-	
	Arochlor 1248	µg/kg	5					-	-	-	-	
	Arochlor 1254	µg/kg	5					-	-	-	-	
	Arochlor 1260	µg/kg	5					-	-	-	-	
	PCBs (Sum of total)	µg/kg	5	23	-		50000	-	-	-	-	
PAH (Ultra trace)	2-(acetyl amino) fluorene	µg/kg	100					-	<100	<100	<100	
	2-methylnaphthalene	µg/kg	10					-	<10	<10	<10	
	3-methylcholanthrene	µg/kg	10					-	<10	<10	<10	
	7,12-dimethylbenz(a)anthracene	µg/kg	10					-	<10	<10	<10	
	Acenaphthene	µg/kg	10	16	500			-	<10	<10	<10	
	Acenaphthylene	µg/kg	10	44	640			-	<10	<10	<10	
	Anthracene	µg/kg	10	85	1100			-	<10	<10	<10	
	Benz(a)anthracene	µg/kg	10	261	1600			-	<10	<10	<10	
	Benzo(a) pyrene	µg/kg	10	430	1600	1000	5000	-	<10	<10	<10	
	Benzo(b)fluoranthene	µg/kg	10					-	<10	<10	<10	
	Benzo(e)pyrene	µg/kg	10					-	<10	<10	<10	
	Benzo(g,h,i)perylene	µg/kg	10					-	<10	<10	<10	
	Benzo(k)fluoranthene	µg/kg	10					-	<10	<10	<10	
	Chrysene	µg/kg	10	384	2800			-	<10	<10	<10	
	Coronene	µg/kg	10					-	<10	<10	<10	
	Dibenz(a,h)anthracene	µg/kg	10	63	260			-	<10	<10	<10	
	Fluoranthene	µg/kg	10	600	5100			-	<10	<10	<10	
	Fluorene	µg/kg	10	19	540			-	<10	<10	<10	
	Indeno(1,2,3-c,d)pyrene	µg/kg	10					-	<10	<10	<10	
	Naphthalene	µg/kg	10	160	2100			-	<10	<10	<10	
	Perylene	µg/kg	10					-	<10	<10	<10	
	Phenanthrene	µg/kg	10	240	1500			-	<10	<10	10	
	Pyrene	µg/kg	10	665	2600			-	<10	<10	<10	
	Low Molecular Weight PAHs	µg/kg		552	3160			-	-	-	-	
	High Molecular Weight PAHs	µg/kg		1700	9600			-	-	-	-	
	Sum of Total PAHs	µg/kg		4000	45000	20000	100 000	-	nc	nc	10	

							Field_ID	VC12_0.2-0.3	VC12_1.0-1.1	VC12_2.1-2.2	VC12_3.2-3.3
							LocCode	VC12	VC12	VC12	VC12
							Sample_Depth	0.2-0.3	1-1.1	2.1-2.2	3.2-3.3
							Sampled_Date-Time	40009.00	40009.00	40009.00	40009.00
							Matrix_Type	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT
ChemName		Units	EQL	ANZECC (2000) Interim Sediment Quality Guidelines - Low	ANZECC (2000) Interim Sediment Quality Guidelines -	NSW EPA (1994) Service Station Guidelines	NEPM 1999 HIL F				
PAH (Ultra trace) - NORMALISED TO 1% TOC	2-(acetyl amino) fluorene	µg/kg	100					-	<100	<100	<100
	2-methylnaphthalene	µg/kg	10					-	<10	<10	<10
	3-methylcholanthrene	µg/kg	10					-	<10	<10	<10
	7,12-dimethylbenz(a)anthracene	µg/kg	10					-	<10	<10	<10
	Acenaphthene	µg/kg	10	16	500			-	<10	<10	<10
	Acenaphthylene	µg/kg	10	44	640			-	<10	<10	<10
	Anthracene	µg/kg	10	85	1100			-	<10	<10	<10
	Benz(a)anthracene	µg/kg	10	261	1600			-	<10	<10	<10
	Benzo(a) pyrene	µg/kg	10	430	1600	1000	500 000	-	<10	<10	<10
	Benzo(b)fluoranthene	µg/kg	10					-	<10	<10	<10
	Benzo(e)pyrene	µg/kg	10					-	<10	<10	<10
	Benzo(g,h,i)perylene	µg/kg	10					-	<10	<10	<10
	Benzo(k)fluoranthene	µg/kg	10					-	<10	<10	<10
	Chrysene	µg/kg	10	384	2800			-	<10	<10	<10
	Coronene	µg/kg	10					-	<10	<10	<10
	Dibenz(a,h)anthracene	µg/kg	10	63	260			-	<10	<10	<10
	Fluoranthene	µg/kg	10	600	5100			-	<10	<10	<10
	Fluorene	µg/kg	10	19	540			-	<10	<10	<10
	Indeno(1,2,3-c,d)pyrene	µg/kg	10					-	<10	<10	<10
	Naphthalene	µg/kg	10	160	2100			-	<10	<10	<10
	Perylene	µg/kg	10					-	<10	<10	<10
	Phenanthrene	µg/kg	10	240	1500			-	<10	<10	10
	Pyrene	µg/kg	10	665	2600			-	<10	<10	<10
	Low Molecular Weight PAHs	µg/kg		552	3160			-	-	-	-
	High Molecular Weight PAHs	µg/kg		1700	9600			-	-	-	-
	Sum of Total PAHs	µg/kg		4000	45000	20000	100 000	-	-	-	-
Cyanide	Cyanide Total	mg/kg	1	25*			2500	-	-	-	-
Metals	Antimony	mg/kg	0.5	2	25			0.58	<0.5	<0.5	<0.5
	Arsenic	mg/kg	1	20	70		500	21.7	6.75	6.09	5.42
	Cadmium	mg/kg	0.1	1.5	10		100	0.2	<0.1	<0.1	<0.1
	Chromium (III+VI)	mg/kg	1	80	370		600000	20.7	2.8	5.4	4.4
	Cobalt	mg/kg	0.5				500	2.7	0.6	0.8	0.8
	Copper	mg/kg	1	65	270		5000	87	7.8	1.2	1.3
	Lead	mg/kg	1	50	220	300	1500	88.4	2.2	1.4	3.9
	Mercury	mg/kg	0.1	0.15	1		75	0.2	<0.1	<0.1	<0.1
	Nickel	mg/kg	1	21	52		3000	10.3	1.7	1.1	1.2
	Selenium	mg/kg	0.1					0.8	<0.1	0.1	0.2
	Silver	mg/kg	0.1	1	3.7			0.3	<0.1	<0.1	<0.1
	Vanadium	mg/kg	2					68	6.7	8.5	7.7
	Zinc	mg/kg	1	200	410		35000	302	5.4	4.5	4.6
TOC	TOC	%	0.02					-	-	0.03	-
TPH	TPH C 6 - C 9 Fraction	mg/kg	10			65		-	-	-	-
	TPH C10 - C14 Fraction	mg/kg	50					-	-	-	-
	TPH C15 - C28 Fraction	mg/kg	100					-	-	-	-
	TPH C29-C36 Fraction	mg/kg	100					-	-	-	-
	TPH C10-C36 Combined	mg/kg	250			1000					
BTEX	Benzene	mg/kg	0.2			1		-	-	-	-
	Ethylbenzene	mg/kg	0.5			3		-	-	-	-
	Toluene	mg/kg	0.5			1		-	-	-	-
	Xylene (m & p)	mg/kg	0.5					-	-	-	-
	Xylene (o)	mg/kg	0.5					-	-	-	-
	Total Xylenes	mg/kg	1.00			14		-	-	-	-

Notes
Highlighted cells denote concentrations greater than the adopted screening levels
Bold and Highlighted cells denote concentrations greater than NEPM HIL F
EQL = Estimated Quantification Limit
mg/kg = milligrams per kilogram
TOC = Total Organic Carbon
TBT - Tributyl Tin
BTEX = Benzene, Toluene, Ethylbenzene, Xylene
TPH = Total Petroleum Hydrocarbons
PAH = Polycyclic Aromatic Hydrocarbons
PCB - Poly chlrinated Biphenyls
< = concentration not detected greater than the Laboratory EQL
- = not analysed
ANZECC (2000) = Australian and New Zealand Interim Sediment Quality Guidelines (Low and High)
* Sediment quality value is derived from Chronic marine EqP threshold at 1% TOC
3.86 - Median TOC calculated from the entire data set



Notes

- µg/L: micrograms per litre
- LOR - Limit of Reporting
- < Result less than LOR
- Shaded indicates result exceeds ANZECC 95% Marine Trigger Values**
- SG - Surface Grab Sample
- PC - Piston Core Sample
- PAH - Polycyclic Aromatic Hydrocarbons
- SDG - Laboratory batch/report number
- LR - ANZECC (2000) Low Realizability Trigger Value
- MR - ANZECC (2000) Medium Reliability Trigger Value
- IW/L - Indicative interim Working Level

TABLE T2
Elutriate Analytical Results
Piston Core and Surface Grab Samples
Port Kembla Port Corporation



			SampleCode	ES0910121015	ES0910121031	ES0910408001	ES0910408002	ES0910408003	ES0910408004	ES0910408006	ES0910408007	ES0910564019	ES0910564018	ES0910564030	ES0910564031	
			LocCode	PC55	ELUTRIATE WATER	SG10	SG12	SG16	SG28	SG22	ELUTRIATE WATER	SG23	PC23	ELUTRIATE WATER	ELUTRIATE WATER	
			Field ID	PC55 0.3-0.63	ELUTRIATE WATER (3)	SG10 0.0-0.7	SG12 0.0-0.04	SG16 0.0-0.05	SG28 0.0-0.01	SG22 0.0-0.02	ELUTRIATE WATER (6)	SG23 0.0-0.03	PC23 0.0-0.06	ELUTRIATE WATER (4)	ELUTRIATE WATER (5)	
			Sampled_Date	9/07/2009	10/07/2009	13/07/2009	13/07/2009	13/07/2009	13/07/2009	13/07/2009	13/07/2009	14/07/2009	14/07/2009	10/07/2009	13/07/2009	
			SDG	ES0910121	ES0910121	ES0910408	ES0910408	ES0910408	ES0910408	ES0910408	ES0910408	ES0910564	ES0910564	ES0910564	ES0910564	
ChemName	Units	LOR	ANZECC (2000) 95% Marine Water													
Metals																
Antimony	µg/L	0.5	270 (LR IIWL)	6.7	<0.5	3.2	0.6	1.4	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	
Arsenic	µg/L	0.5	4.5 (LR)	29.2	1.5	12.7	13.2	18.3	2.2	6.6	2.1	10	9.5	2	2	
Cadmium	µg/L	0.2	5.5	<0.2	<0.2	0.4	0.5	<0.2	0.3	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
Chromium (III+VI)	µg/L	0.5		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	
Cobalt	µg/L	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.6	0.2	<0.2	<0.2	
Copper	µg/L	1	1.3	<1	<1	<1	<1	<1	11	<1	<1	2	<1	<1	<1	
Lead	µg/L	0.2	4.4	<0.2	<0.2	0.8	0.4	0.4	0.7	0.3	1.3	0.6	0.5	<0.2	2.2	
Mercury	µg/L	0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel	µg/L	0.5	70	5.4	<0.5	2.6	0.7	1.5	0.8	1.4	<0.5	1.8	0.8	<0.5	<0.5	
Selenium	µg/L	2	3 (LR)	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	
Silver	µg/L	0.1	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Vanadium	µg/L	0.5	100	3.9	2	1.6	17.9	2	3.8	23.6	2	9.6	2	2.1	1.8	
Zinc	µg/L	5	15	<5	<5	<5	<5	<5	<5	<5	<5	6	<5	9	5	
PAH/Phenols																
PAH (total, NSW Waste 2008)	µg/L			<1.55	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55	<1.55	
3-methylcholanthrene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Acenaphthene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Acenaphthylene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Anthracene	µg/L	0.1	0.4 (MR)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(a)anthracene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(a) pyrene	µg/L	0.05	0.2 (LR)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
Benzo(b)fluoranthene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(g,h,i)perylene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(k)fluoranthene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Chrysene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Dibenz(a,h)anthracene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Fluoranthene	µg/L	0.1	1.4 (LR)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Fluorene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Indeno(1,2,3-c,d)pyrene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Naphthalene	µg/L	0.1	70 (MR)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Phenanthrene	µg/L	0.1	2 (LR)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Pyrene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
2-(acetylmino) fluorene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
2-methylnaphthalene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
7,12-dimethylbenz(a)anthracene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Benzo(e)pyrene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Coronene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Perylene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	

Notes
µg/L micrograms per litre
LOR - Limit of Reporting
< Result less than LOR
Shaded indicates result exceeds ANZECC 95% Marine Trigger Values
SG - Surface Grab Sample
PC - Piston Core Sample
PAH - Polycyclic Aromatic Hydrocarbons
SDG - Laboratory batch/report number
LR - ANZECC (2000) Low Reliability Trigger Value
MR - ANZECC (2000) Medium Reliability Trigger Value
IIWL- Indicative interim Working Level

TABLE T3
Elutriate Analytical Results
Vibro-Core Samples
Port Kembla Port Corporation



		SampleCode	ES0910564005	ES0910564006	ES0910564007	ES0910564013	ES0910564008	ES0910564001	ES0910564002	ES0910564003	ES0910564004	ES0910564015	ES0910564014	ES0910564009	ES0910564010	ES0910564011	ES0910564012	ES0910564020	ES0910564021
		Field_ID	VC1 0.0-0.2	VC1 1.3-1.4	VC2 0.7-0.8	VC9 2.8-2.9	VC2 3.7-3.8	VC3 0.5-0.6	VC3 1.2-1.3	VC5 0.0-0.2	VC5 1.6-1.7	VC6 0.5-0.6	VC9 3.5-3.6	VC11 0.5-0.6	VC11 2.5-2.6	VC12 0.2-0.3	VC12 2.1-2.2	ELUTRIATE WATER (a)	ELUTRIATE WATER (c)
		LocCode	VC01	VC01	VC02	VC09	VC02	VC03	VC03	VC05	VC05	VC06	VC09	VC11	VC11	VC12	VC12	ELUTRIATE WATER	ELUTRIATE WATER
		Sampled_Date	14/07/2009	14/07/2009	15/07/2009	15/07/2009	15/07/2009	14/07/2009	14/07/2009	14/07/2009	14/07/2009	16/07/2009	15/07/2009	15/07/2009	15/07/2009	15/07/2009	15/07/2009	8/07/2009	13/07/2009
		SDG	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564	ES0910564
ChemName	Units	LOR	Elutriate 95% Marine Water																
Metals																			
Antimony	µg/L	0.5	270 (LR IWL)	3.7	-	-	2.9	0.9	-	6	2.1	-	<0.5	-	3.7	-	2.8	<0.5	<0.5
Arsenic	µg/L	0.5	4.5 (LR)	3.2	-	-	3.9	0.6	-	7.8	16.7	-	1.1	-	4	-	5.9	2	2
Cadmium	µg/L	0.2	5.5	<0.2	-	-	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	-	0.6	<0.2	<0.2
Chromium (III+VI)	µg/L	0.5		<0.5	-	-	<0.5	<0.5	-	<0.5	<0.5	-	<0.5	-	<0.5	-	<0.5	<0.5	0.7
Cobalt	µg/L	0.2	1	<0.2	-	-	0.2	<0.2	-	<0.2	<0.2	-	<0.2	-	<0.2	-	<0.2	<0.2	<0.2
Copper	µg/L	1	1.3	2	-	-	<1	<1	-	<1	<1	-	<1	-	<1	-	5	<1	<1
Lead	µg/L	0.2	4.4	<0.2	-	-	0.2	<0.2	-	0.2	0.4	-	<0.2	-	<0.2	-	2	<0.2	2.2
Mercury	µg/L	0.1	0.4	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1
Nickel	µg/L	0.5	70	1	-	-	2.2	0.7	-	2.4	1.1	-	<0.5	-	1.4	-	2.4	<0.5	<0.5
Selenium	µg/L	2	3 (LR)	<2	-	-	<2	<2	-	2	<2	-	<2	-	<2	-	<2	<2	<2
Silver	µg/L	0.1	1.4	<0.1	-	-	<0.1	<0.1	-	<0.1	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1	<0.1
Vanadium	µg/L	0.5	100	74.7	-	-	8.1	2.7	-	2	87.6	-	45.8	-	272	-	10.2	2.1	1.8
Zinc	µg/L	5	15	<5	-	-	5	<5	-	<5	<5	-	<5	-	7	-	18	9	5
PAH/Phenols																			
PAH (total, NSW Waste 2008)	µg/L			-	<1.55	<1.55	-	-	<1.55	-	-	<1.55	-	<1.55	-	<1.55	-	<1.55	<1.55
3-methylcholanthrene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Acenaphthene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Acenaphthylene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Anthracene	µg/L	0.1	0.4 (MR)	-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Benzo(a)anthracene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Benzo(a) pyrene	µg/L	0.05	0.2 (LR)	-	<0.05	<0.05	-	-	<0.05	-	-	<0.05	-	<0.05	-	<0.05	-	<0.05	<0.05
Benzo(b)fluoranthene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Benzo(g,h,i)perylene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Benzo(k)fluoranthene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Chrysene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Dibenz(a,h)anthracene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Fluoranthene	µg/L	0.1	1.4 (LR)	-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Fluorene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Indeno(1,2,3-c,d)pyrene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Naphthalene	µg/L	0.1	70 (MR)	-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Phenanthrene	µg/L	0.1	2 (LR)	-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Pyrene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
2-(acetylamino) fluorene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
2-methylnaphthalene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
7,12-dimethylbenz(a)anthracene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Benzo(e)pyrene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Coronene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1
Perylene	µg/L	0.1		-	<0.1	<0.1	-	-	<0.1	-	-	<0.1	-	<0.1	-	<0.1	-	<0.1	<0.1

Notes
µg/L, micrograms per litre
LOR - Limit of Reporting
< Result less than LOR
Shaded indicates result exceeds ANZECC 95% Marine Trigger Values
SG - Surface Grab Sample
PC - Piston Core Sample
PAH - Polycyclic Aromatic Hydrocarbons
SDG - Laboratory batch/report number
LR - ANZECC (2000) Low Reliability Trigger Value
MR - ANZECC (2000) Medium Reliability Trigger Value
IWL- Indicative Interim working Level

TABLE T4
Harbour Water Analytical Results
Port Kembla Port Corporation



				Centre of Outer Harbour		Entrance to the Outer harbour		Entrance to the Inner Harbour	
			SampleCode	ES0910405020	ES0910405021	ES0910405022	ES0910405023	ES0910405025	ES0910405024
			Field_ID	HS-L-01	HS-H-01	HS-L-02	HS-H-02	HS-L-03	HS-H-03
			LocCode	HS-01	HS-01	HS-02	HS-02	HS-03	HS-03
			Sampled_Date-Time	13/07/2009	13/07/2009	13/07/2009	13/07/2009	13/07/2009	13/07/2009
			SDG	ES0910405	ES0910405	ES0910405	ES0910405	ES0910405	ES0910405
ChemName	Units	LOR	ANZECC 95% Marine Water	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
Inorganics									
Cyanide (Free)	µg/L	4		<4	<4	<4	<4	<4	<4
TDS	µg/L	1000		43800000	37400000	38400000	39600000	38300000	38200000
TSS	µg/L	1000		20000	2000	4000	8000	5000	8000
Metals									
Antimony	µg/L	0.5	270 (LR IIWL)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Arsenic	µg/L	0.5	4.5 (LR)	2.1	1.6	2.1	2.1	1.7	1.9
Cadmium	µg/L	0.2	5.5	<0.2	<0.2	2.4	10400	0.6	65400
Chromium (III+VI)	µg/L	0.5	4.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cobalt	µg/L	0.2	1	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Copper	µg/L	1	1.3	1	2	1	1	1	1
Lead	µg/L	0.2	4.4	0.3	0.6	0.3	0.4	0.5	0.4
Mercury	µg/L	0.1	0.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel	µg/L	0.5	70	<0.5	0.8	<0.5	0.6	0.7	0.5
Selenium	µg/L	2	3 (LR)	<2	<2	<2	<2	<2	<2
Silver	µg/L	0.1	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vanadium	µg/L	0.5	100	2.2	2.3	1.9	2.1	2.2	2
Zinc	µg/L	5	15	<5	<5	<5	<5	<5	<5
OCP									
4,4-DDE	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
a-BHC	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aldrin	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aldrin + Dieldrin	µg/L			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
b-BHC	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
chlordanane	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlordane (cis)	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chlordane (trans)	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
d-BHC	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDD	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDT	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DDT+DDE+DDD	µg/L			<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Dieldrin	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan	µg/L	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan I	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan II	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endosulfan sulphate	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin	µg/L	0.01	0.008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin aldehyde	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin ketone	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
g-BHC (Lindane)	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Heptachlor	µg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Scheduled chemicals (NSW Waste 2008)	µg/L			<0.385	<0.385	<0.385	<0.385	<0.385	<0.385
Hexachlorophene	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Oxychlordane	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PAH/Phenols									
PAH (total, NSW Waste 2008)	µg/L			<0.305	0.1825	<0.305	<0.305	<0.305	<0.305
2,4,5-trichlorophenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-dichlorophenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-dimethylphenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3-Methylphenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-chlorophenol	µg/L	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2-methylphenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-methylphenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	µg/L	0.02	0.4 (MR)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benz(a)anthracene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a) pyrene	µg/L	0.005	0.2 (LR)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Benzo(b)fluoranthene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(k)fluoranthene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Chrysene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Dibenz(a,h)anthracene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	µg/L	0.02	1.4 (LR)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Indeno(1,2,3-c,d)pyrene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Naphthalene	µg/L	0.02	70 (MR)	<0.02	0.04	<0.02	<0.02	<0.02	<0.02
PAHs (Sum of total)	µg/L	0.005		<0.005	0.044	<0.005	<0.005	<0.005	<0.005
Phenanthrene	µg/L	0.02	2 (LR)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenol	µg/L	0.1	400	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	µg/L	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
PCB									
PCBs (Sum of total)	µg/L	1		<1	<1	<1	<1	<1	<1
Pesticides									
Pesticides (total, NSW Waste 2008)	µg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SVOC									
2,3,4,6-tetrachlorophenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,6-trichlorophenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-dichlorophenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-nitrophenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-chloro-3-methylphenol	µg/L	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4-nitrophenol	µg/L	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	µg/L	0.05		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene	µg/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes
µg/L micrograms per litre
LOR - Limit of Reporting
< Result less than LOR
Shaded indicates result exceeds ANZECC 95% Marine Trigger Values
SG - Surface Grab Sample
PC - Piston Core Sample
PAH - Polycyclic Aromatic Hydrocarbons
SDG - Laboratory batch/report number
LR - ANZECC (2000) Low Reliability Trigger Value
MR - ANZECC (2000) Medium Reliability Trigger Value
IIWL-

TABLE T5
SPOCAS Analytical Results
Port Kembla Port Corportaion



		LocCode	ASSMAC (1998)	PC01	PC02	PC04	PC07	PC08	PC09	PC12	PC14	PC15	PC17	PC18	PC20	PC23	PC26
		Sample_Depth_Range	ACTION CRITERIA	0 - 0.3	0.3-0.85	0 - 0.33	0 - 0.2	0.35-0.7	0.8-1.12	0.4-0.76	0 - 0.36	0.5-1	0 - 0.7	0.26-0.52	0 - 0.17	0 - 0.06	0 - 0.5
		Sampled_Date-Time	Fine Texture	7/07/2009	7/07/2009	7/07/2009	7/07/2009	8/07/2009	8/07/2009	9/07/2009	8/07/2009	8/07/2009	7/07/2009	7/07/2009	8/07/2009	14/07/2009	8/07/2009
		Area	Medium to heavy clays and silt clays (Clay content > or=40%														
ChemName	Units	LOR															
Suspension Peroxide Oxidation-Combined Acidity			1-1000 tonnes disturbed	>1000 tonnes disturbed													
Acid Reacted Calcium	% Ca	0.02		6.52	3.75	2.17	7.79	1.48	18.9	4.36	2.41	1.6	1.44	3.88	9.49	4.24	0.87
Acid Reacted Magnesium	% Mg	0.02		0.31	0.34	0.31	0.34	0.18	0.9	0.41	0.19	0.27	0.21	0.35	0.48	0.4	0.15
acidity - Acid Reacted Calcium	mole H+/t	10		3250	1870	1080	3890	739	9420	2170	1200	801	719	1940	4740	2120	436
acidity - Acid Reacted Magnesium	mole H+/t	10		254	280	258	280	152	738	334	157	221	176	286	398	332	126
acidity - Excess Acid Neutralising Capacity	mole H+/t	10		3440	1760	945	4270	575	9550	2280	1320	480	721	1300	4500	2600	1720
acidity - Peroxide Oxidisable Sulfur	mole H+/t	10		185	545	592	124	384	215	214	128	573	195	1180	609	132	152
ANC Fineness Factor	-	0.5		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium in Peroxide	% Ca	0.02		6.93	4.43	2.76	8.13	1.84	19.2	4.71	2.69	2	1.8	4.43	9.94	4.58	1.16
Excess Acid Neutralising Capacity	% CaCO3	0.02		17.2	8.82	4.73	21.4	2.88	47.8	11.4	6.63	2.4	3.61	6.53	22.5	13	8.61
KCl Extractable Calcium	% Ca	0.02		0.41	0.67	0.58	0.34	0.36	0.28	0.35	0.28	0.4	0.36	0.55	0.44	0.33	0.29
KCl Extractable Magnesium	% Mg	0.02		0.17	0.18	0.18	0.1	0.16	0.09	0.14	0.11	0.16	0.14	0.14	0.23	0.15	0.14
KCl Extractable Sulfur	% S	0.02		0.17	0.37	0.3	0.12	0.12	0.1	0.11	0.09	0.15	0.14	0.28	0.31	0.14	0.09
Liming Rate	kg CaCO3/t	1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Magnesium in Peroxide	% Mg	0.02		0.48	0.52	0.49	0.44	0.34	0.98	0.55	0.3	0.43	0.35	0.48	0.71	0.55	0.29
Net Acidity (acidity units)	mole H+/t	10		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Net Acidity (sulfur units)	%S	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Peroxide Oxidisable Sulfur	% S	0.02		0.3	0.87	0.95	0.2	0.62	0.34	0.34	0.2	0.92	0.31	1.9	0.98	0.21	0.24
pH KCl	pH Unit	0.1		8.6	8.1	8.2	8.7	8.6	9.4	9	8.9	8.6	8.5	8.2	8.7	9.3	8.8
pH OX	pH Unit	0.1		8.2	7.9	7.7	8	8.2	8.3	8.1	8.3	7.9	8	7.8	7.8	8.1	8.4
sulfidic - Acid Reacted Calcium	% S	0.02		5.21	3	1.74	6.23	1.18	15.1	3.48	1.92	1.28	1.15	3.1	7.59	3.4	0.7
sulfidic - Acid Reacted Magnesium	%S	0.02		0.41	0.45	0.41	0.45	0.24	1.18	0.54	0.25	0.35	0.28	0.46	0.64	0.53	0.2
sulfidic - Excess Acid Neutralising Capacity	%S	0.02		5.51	2.82	1.51	6.84	0.92	15.3	3.65	2.12	0.77	1.15	2.09	7.21	4.16	2.75
sulfidic - Titratable Actual Acidity	% pyrite S	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
sulfidic - Titratable Peroxide Acidity	% pyrite S	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
sulfidic - Titratable Sulfidic Acidity	% pyrite S	0.02		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Sulfur in Peroxide	% S	0.02	0.1	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60
Titratable Actual Acidity	mole H+/t	2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Titratable Peroxide Acidity	mole H+/t	2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Titratable Sulfidic Acidity	mole H+/t	2		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

Notes
* Table 4.4 ASSMAC (1998)
Highlighted cells denote concentrations greater than the adopted action criteria for 1-1000 tonnes
Bold and Highlighted cells denote concentrations greater adopted action criteria if >100 tonnes of material disturbed

TABLE T5
SPOCAS Analytical Results
Port Kembla Port Corportaion



		LocCode	PC27	PC28	PC29	PC30	PC32	PC33	PC35	PC36	PC38	PC39	PC40	PC41	PC42	PC43	PC45	PC51	PC54	PC55	PC57	PC63	PC64
		Sample_Depth_Range	0.5-0.9	0.9-1.4	0 - 0.45	0.3-0.68	0 - 0.23	0.3-0.5	0 - 0.35	0.16-0.5	0 - 0.4	0.4-0.87	1-1.47	0 - 0.5	0 - 0.5	0.7-1.05	0.5-1.03	0 - 0.4	0 - 0.3	0.3-0.63	0 - 0.24	0 - 0.5	0.25-0.65
		Sampled_Date-Time	8/07/2009	8/07/2009	8/07/2009	7/07/2009	7/07/2009	6/07/2009	8/07/2009	9/07/2009	9/07/2009	9/07/2009	9/07/2009	9/07/2009	9/07/2009	9/07/2009	9/07/2009	10/07/2009	10/07/2009	9/07/2009	10/07/2009	10/07/2009	10/07/2009
		Area																					
ChemName	Units	LOR																					
Suspension Peroxide Oxidation-Combined Acidity																							
Acid Reacted Calcium	% Ca	0.02	1.66	2.57	0.81	10.3	6.47	1.85	0.6	1.39	1.18	1.21	3.02	1.68	0.94	1.38	3.35	3.48	1.08	1.66	0.04	1.76	2.72
Acid Reacted Magnesium	% Mg	0.02	0.15	0.35	0.17	0.54	0.43	0.29	0.12	0.23	0.2	0.22	0.3	0.31	0.12	0.22	0.35	0.31	0.24	0.14	<0.02	0.16	0.24
acidity - Acid Reacted Calcium	mole H+/t	10	828	1280	406	5140	3230	922	300	692	588	606	1510	839	469	690	1670	1730	539	829	22	881	1360
acidity - Acid Reacted Magnesium	mole H+/t	10	126	291	139	448	357	239	97	188	165	181	246	254	96	184	289	255	195	118	13	129	195
acidity - Excess Acid Neutralising Capacity	mole H+/t	10	795	1160	255	5320	3550	852	353	607	562	504	1420	565	475	706	1690	1830	255	774	-	824	1100
acidity - Peroxide Oxidisable Sulfur	mole H+/t	10	284	621	377	332	295	426	77	413	287	374	355	385	214	276	416	181	785	207	624	252	547
ANC Fineness Factor	-	0.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium in Peroxide	% Ca	0.02	2.01	3	1.21	10.7	6.91	2.3	0.78	1.8	1.53	1.58	3.43	2.06	1.28	1.79	3.82	3.8	1.43	1.9	0.15	2.07	3.06
Excess Acid Neutralising Capacity	% CaCO3	0.02	3.98	5.81	1.28	26.6	17.8	4.26	1.77	3.04	2.81	2.52	7.13	2.83	2.38	3.54	8.47	9.16	1.27	3.87	-	4.12	5.5
KCl Extractable Calcium	% Ca	0.02	0.35	0.42	0.39	0.4	0.44	0.45	0.18	0.42	0.35	0.37	0.41	0.38	0.34	0.41	0.47	0.32	0.35	0.24	0.11	0.3	0.34
KCl Extractable Magnesium	% Mg	0.02	0.15	0.18	0.19	0.11	0.12	0.18	0.06	0.23	0.18	0.21	0.13	0.22	0.15	0.18	0.16	0.16	0.21	0.06	0.13	0.15	0.17
KCl Extractable Sulfur	% S	0.02	0.1	0.17	0.17	0.15	0.22	0.24	0.06	0.2	0.15	0.18	0.14	0.17	0.13	0.17	0.16	0.13	0.24	0.11	0.05	0.11	0.22
Liming Rate	kg CaCO3/t	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	7	<1	47	<1	<1
Magnesium in Peroxide	% Mg	0.02	0.3	0.54	0.36	0.65	0.56	0.47	0.18	0.46	0.38	0.43	0.43	0.52	0.27	0.41	0.51	0.47	0.44	0.2	0.15	0.3	0.41
Net Acidity (acidity units)	mole H+/t	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	92	<10	626	<10	<10
Net Acidity (sulfur units)	%S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.15	<0.02	1	<0.02	<0.02
Peroxide Oxidisable Sulfur	% S	0.02	0.46	1	0.6	0.53	0.47	0.68	0.12	0.66	0.46	0.6	0.57	0.62	0.34	0.44	0.67	0.29	1.26	0.33	1	0.4	0.88
pH KCl	pH Unit	0.1	8.7	8.6	8.6	8.3	8.5	8.3	9.5	8.5	8.6	8.7	8.6	8.6	8.7	8.7	8.6	9	8.5	9.2	6.3	8.9	8.8
pH OX	pH Unit	0.1	8.3	7.9	7.9	7.9	8	7.9	8.3	7.9	8	7.8	8	7.8	8.2	7.9	8	8.2	6.7	8.4	2.4	8.2	7.8
sulfidic - Acid Reacted Calcium	% S	0.02	1.33	2.06	0.65	8.24	5.18	1.48	0.48	1.11	0.94	0.97	2.42	1.34	0.75	1.11	2.68	2.78	0.86	1.33	0.03	1.41	2.17
sulfidic - Acid Reacted Magnesium	%S	0.02	0.2	0.47	0.22	0.72	0.57	0.38	0.16	0.3	0.26	0.29	0.4	0.41	0.15	0.3	0.46	0.41	0.31	0.19	0.02	0.21	0.31
sulfidic - Excess Acid Neutralising Capacity	%S	0.02	1.27	1.86	0.41	8.52	5.69	1.36	0.56	0.97	0.9	0.81	2.28	0.9	0.76	1.13	2.71	2.93	0.41	1.24	-	1.32	1.76
sulfidic - Titratable Actual Acidity	% pyrite S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
sulfidic - Titratable Peroxide Acidity	% pyrite S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.8	<0.02	<0.02
sulfidic - Titratable Sulfidic Acidity	% pyrite S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.8	<0.02	<0.02
Sulfur in Peroxide	% S	0.02	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81
Titratable Actual Acidity	mole H+/t	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	<2	<2
Titratable Peroxide Acidity	mole H+/t	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	502	<2	<2
Titratable Sulfidic Acidity	mole H+/t	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	500	<2	<2

Notes
* Table 4.4 ASSMAC (1998)
Highlighted cells denote concentrations greater than the adopted action criteria for 1-1000 tonnes
Bold and Highlighted cells denote concentrations greater adopted action criteria if >100 tonnes of

TABLE T5
SPOCAS Analytical Results
Port Kembla Port Corporaion



		LocCode	SG02	SG05	SG08	SG12	SG14	SG16	SG26	VC01	VC02	VC03	VC05	VC06	VC07	VC08	VC11	VC12
		Sample Depth Range	0 - 0.35	0 - 0.07	0 - 0.06	0 - 0.04	0 - 0.03	0 - 0.05	0 - 0.02	1.3-1.4	0.7-0.8	1.2-1.3	1.6-1.7	0 - 0.1	0.9-1	2.7-2.8	2.5-2.6	3.2-3.3
		Sampled Date-Time	6/07/2009	6/07/2009	6/07/2009	13/07/2009	13/07/2009	13/07/2009	14/07/2009	14/07/2009	15/07/2009	14/07/2009	14/07/2009	16/07/2009	16/07/2009	16/07/2009	15/07/2009	15/07/2009
		Area																
ChemName	Units	LOR																
Suspension Peroxide Oxidation-Combined Acidity																		
Acid Reacted Calcium	% Ca	0.02	5.25	3.17	1.82	2.18	0.71	1.53	1.92	2.06	0.23 - 0.7	3.62	4.06	1.55	1.35	4.97	14.7	11.2
Acid Reacted Magnesium	% Mg	0.02	0.31	0.25	0.24	0.9	0.13	0.24	0.13	0.4	0.02 - 0.07	0.4	1.49	1	0.11	0.54	0.8	0.54
acidity - Acid Reacted Calcium	mole H+/t	10	2620	1580	906	1080	354	762	959	1030	117 - 352	1810	2030	776	672	2480	7320	5610
acidity - Acid Reacted Magnesium	mole H+/t	10	256	206	199	741	104	196	110	326	20 - 57	325	1220	826	87	448	662	449
acidity - Excess Acid Neutralising Capacity	mole H+/t	10	3280	1820	1030	1590	395	709	995	1420	133 - 345	2190	3560	1940	-	3480	8890	5930
acidity - Peroxide Oxidisable Sulfur	mole H+/t	10	85	91	164	184	84	317	<10	280	60 - 123	270	141	<10	1160	51	91	66
ANC Fineness Factor	-	0.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Calcium in Peroxide	% Ca	0.02	5.58	3.5	2.22	2.8	0.9	1.84	2.08	2.79	0.41 - 0.9	3.89	4.87	2.12	1.6	5.63	14.8	11.4
Excess Acid Neutralising Capacity	% CaCO3	0.02	16.4	9.12	5.17	7.98	1.98	3.55	4.98	7.09	0.66 - 1.73	11	17.8	9.7	-	17.4	44.5	29.7
KCl Extractable Calcium	% Ca	0.02	0.33	0.32	0.4	0.62	0.19	0.32	0.16	0.73	0.18 - 0.19	0.27	0.81	0.57	0.25	0.65	0.17	0.17
KCl Extractable Magnesium	% Mg	0.02	0.14	0.14	0.19	<0.02	0.08	0.16	0.04	<0.02	0.05 - 0.06	0.09	<0.02	<0.02	0.1	<0.02	0.07	0.05
KCl Extractable Sulfur	% S	0.02	0.11	0.11	0.15	0.17	0.05	0.15	0.05	0.21	0.05 - 0.07	0.14	0.27	0.12	0.1	0.17	0.08	0.07
Liming Rate	kg CaCO3/t	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	46	<1	<1	<1
Magnesium in Peroxide	% Mg	0.02	0.45	0.39	0.43	0.92	0.2	0.4	0.17	0.4	0.07 - 0.13	0.49	1.49	1	0.21	0.54	0.87	0.59
Net Acidity (acidity units)	mole H+/t	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	614	<10	<10	<10
Net Acidity (sulfur units)	%S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.98	<0.02	<0.02	<0.02
Peroxide Oxidisable Sulfur	% S	0.02	0.14	0.15	0.26	0.29	0.13	0.51	<0.02	0.45	0.1 - 0.2	0.43	0.23	<0.02	1.86	0.08	0.14	0.11
pH KCl	pH Unit	0.1	8.7	8.7	8.5	10.4	9.2	8.7	9.8	11.1	9.2	8.9	11.4	11	8.2	11.6	9.8	9.7
pH OX	pH Unit	0.1	8.2	8.1	8	8.4	8.3	7.9	8.8	8.6	7.9 - 8.1	8.1	10.7	10.3	3.9	10.5	8.5	8.4
sulfidic - Acid Reacted Calcium	% S	0.02	4.2	2.54	1.45	1.74	0.57	1.22	1.54	1.65	0.19 - 0.56	2.9	3.25	1.24	1.08	3.98	11.7	8.99
sulfidic - Acid Reacted Magnesium	%S	0.02	0.41	0.33	0.32	1.19	0.17	0.31	0.18	0.52	0.03 - 0.09	0.52	1.96	1.32	0.14	0.72	1.06	0.72
sulfidic - Excess Acid Neutralising Capacity	%S	0.02	5.25	2.92	1.65	2.55	0.63	1.14	1.59	2.27	0.21 - 0.55	3.51	5.7	3.1	-	5.57	14.2	9.5
sulfidic - Titratable Actual Acidity	% pyrite S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
sulfidic - Titratable Peroxide Acidity	% pyrite S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.54	<0.02	<0.02	<0.02
sulfidic - Titratable Sulfidic Acidity	% pyrite S	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.54	<0.02	<0.02	<0.02
Sulfur in Peroxide	% S	0.02	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97
Titratable Actual Acidity	mole H+/t	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Titratable Peroxide Acidity	mole H+/t	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	340	<2	<2	<2
Titratable Sulfidic Acidity	mole H+/t	2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	340	<2	<2	<2

Notes
* Table 4.4 ASSMAC (1998)
Highlighted cells denote concentrations greater than the adopted action criteria for 1-1000 tonnes
Bold and Highlighted cells denote concentrations greater adopted action criteria if >100 tonnes of

Table T6
Grain Size Analysis
Port Kembla Port Corporation



Field ID.	Location Code	Percent Silt & Clay (-0.063 mm)	Percent Sand (2.0 mm - 0.063 mm)	Percent Gravel (+ 2 mm)
		%	%	%
SG3_ 0.0-0.05	SG03	49.6	50.4	0.0
SG8_ 0.0-0.08	SG08	76.4	23.6	0.05
SG9_ 0.0-0.07	SG09	45.2	54.3	0.5
SG12_ 0.0-0.04	SG12	67.9	31.3	0.8
PC1_ 0.0-0.3	PC01	64.8	21.9	13.3
PC2_ 0.3-0.85	PC02	82.8	16.9	0.2
PC4_ 0.0-0.33	PC04	82.8	16.2	1.0
PC7_ 0.0-0.2	PC07	46.6	42.1	11.3
PC8_ 0.35-0.7	PC08	69.5	30.5	0.0
PC9_ 0.8-1.12	PC09	27.7	71.3	1.0
PC11_ 0.0-0.2	PC11	49.8	50.1	0.2
PC12_ 0.4-0.76	PC12	60.9	39.1	0.0
PC14_ 0.0-0.15	PC14	79.2	20.5	0.2
PC15_ 0.5-1.0	PC15	74.6	25.4	0.0
PC17_ 0.0-0.7	0.0 to 0.7	70.8	29.0	0.2
PC18_ 0.26-0.52	0.26 to 0.52	70.3	27.8	1.9
PC20_ 0.0-0.1	0.0 to 0.1	50.5	28.1	21.3
PC27_ 0.5-0.9	0.5 to 0.9	64.9	35.1	0.0
PC33_ 0.3-0.5	0.3 to 0.5	82.5	17.5	0.0
PC35-1	0.0 to 0.35	12.8	81.6	5.5
PC35-2	0.0 to 0.35	15.1	83.2	1.7
PC35-3	0.0 to 0.35	14.6	82.4	3.0
**PC35_ 0.0-0.35	0.0 to 0.35	14.2	82.4	3.4
PC36_ 0.16-0.5	0.16 to 0.5	88.2	11.7	0.04
PC39_ 0.4-0.87	0.4 to 0.87	86.4	13.6	0.0
VC3_ 0.0-0.2	0.0 to 0.2	59.9	34.8	5.3
VC3_ 0.5-0.6	0.5 to 0.6	82.2	17.8	0.0
VC4_ 1.7-1.8	1.7-1.8	85.4	14.6	0.0
VC5_ 1.6-1.7	1.6 to 1.7	35.2	55.6	9.2
VC5_ 2.5-2.6	2.5 to 2.6	13.3	55.2	31.4
VC6_ 0.2-0.3	0.2 to 0.3	3.1	8.6	88.3
VC7_ 0.1-0.2	0.1 to 0.2	15.1	76.7	8.3
VC7_ 0.2-0.3	0.2 to 0.3	9.9	17.9	72.2
VC8_ 2.7-2.8	2.7 to 2.8	19.8	34.2	46.0

Notes

PC35 was sub-sampled three times for more accurate grain size interpretation.

**PC35 - As part of laboratory QA/QC three homogenised subsamples from sample PC35 were sieved. Precision of the data is representative of the primary sample indicating high precision

[illegible]

RPD = Relative Percentage Difference
 Highlighted cells denote RPDs that are greater than 50% acceptable level.
 LOR = Limit of Reporting
 mg/kg = milligrams per kilogram
 TOC = Total Organic Carbon
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene
 TPH = Total Petroleum Hydrocarbons
 PAH = Polycyclic Aromatic Hydrocarbons
 PCB = Polychlorinated Biphenyls
 TBT - Tributyl tin
 - = concentration not detected greater than the Laboratory LOR.
 - = not analysed
 nc = not calculable

			SampleCode	ES0910405020	ES0910405026	RPD	EB0911300001	RPD
			Field_ID	HS-L-01	DUP01		TRIP01	
			LocCode	HS-01	HS-01			
			Sample_Depth					
			Sampled_Date-Time	13/07/2009	13/07/2009		13/07/2009	
			SDG	ES0910405	ES0910405		EB0911300	
ChemName	Units	EQL	ANZECC 95% Marine Water					
Inorganics								
Cyanide (Free)	µg/L	4		<4	<4	nc	<4	nc
TDS	µg/L	1000		43800000	39000000	12	37000000	17
TSS	µg/L	1000		20000	5000	120	4000	133
Metals								
Antimony	µg/L	0.5	270	<0.5	<0.5	nc	<0.5	nc
Arsenic	µg/L	0.5		2.1	1.9	10	1.6	27
Cadmium	µg/L	0.2	5.5	<0.2	2.3	nc	<0.2	nc
Chromium (III+VI)	µg/L	0.5	4.4	<0.5	<0.5	nc	<0.5	nc
Cobalt	µg/L	0.2	1	<0.2	<0.2	nc	<0.2	nc
Copper	µg/L	1	1.3	1	1	0	2	67
Lead	µg/L	0.2	4.4	0.3	0.3	0	0.5	50
Mercury	µg/L	0.1	0.4	<0.1	<0.1	nc	<0.1	nc
Nickel	µg/L	0.5	70	<0.5	<0.5	nc	<0.5	nc
Selenium	µg/L	2	3	<2	<2	nc	<2	nc
Silver	µg/L	0.1	1.4	<0.1	<0.1	nc	<0.1	nc
Vanadium	µg/L	0.5	100	2.2	2	10	2.2	0.00
Zinc	µg/L	5	15	<5	<5	nc	6	nc
OCP								
4,4-DDE	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
a-BHC	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Aldrin	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Aldrin + Dieldrin	µg/L			<0.02	<0.02	nc	<0.02	nc
b-BHC	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
chlordane	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Chlordane (cis)	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Chlordane (trans)	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
d-BHC	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
DDD	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
DDT	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
DDT+DDE+DDD	µg/L			<0.03	<0.03	nc	<0.03	nc
Dieldrin	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Endosulfan	µg/L	0.01	0.01	<0.01	<0.01	nc	<0.01	nc
Endosulfan I	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Endosulfan II	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Endosulfan sulphate	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Endrin	µg/L	0.01	0.008	<0.01	<0.01	nc	<0.01	nc
Endrin aldehyde	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Endrin ketone	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
g-BHC (Lindane)	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Heptachlor	µg/L	0.005		<0.005	<0.005	nc	<0.005	nc
Heptachlor epoxide	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Methoxychlor	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
PAH/Phenols								
PAH (total, NSW Waste 2008)	µg/L			<0.305	<0.305	nc	<0.02	nc
2,4,5-trichlorophenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
2,4-dichlorophenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
2,4-dimethylphenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
2-chlorophenol	µg/L	0.05		<0.05	<0.05	nc	<0.05	nc
2-methylphenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
4-methylphenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
Acenaphthene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Acenaphthylene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Anthracene	µg/L	0.02	0.4	<0.02	<0.02	nc	<0.02	nc
Benz(a)anthracene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Benzo(a) pyrene	µg/L	0.005	0.2	<0.005	<0.005	nc	<0.005	nc
Benzo(b)fluoranthene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Benzo(g,h,i)perylene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Benzo(k)fluoranthene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Chrysene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Dibenz(a,h)anthracene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Fluoranthene	µg/L	0.02	1.4	<0.02	<0.02	nc	<0.02	nc
Fluorene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Indeno(1,2,3-c,d)pyrene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
Naphthalene	µg/L	0.02	70	<0.02	<0.02	nc	<0.02	nc
PAHs (Sum of total)	µg/L	0.005		<0.005	<0.005	nc	<0.005	nc
Phenanthrene	µg/L	0.02	2	<0.02	<0.02	nc	<0.02	nc
Phenol	µg/L	0.1	400	<0.1	<0.1	nc	<0.1	nc
Pyrene	µg/L	0.02		<0.02	<0.02	nc	<0.02	nc
PCB								
PCBs (Sum of total)	µg/L	1		<1	<1	nc	<1	nc
Pesticides								
Pesticides (total, NSW Waste 2008)	µg/L			<0.05	<0.05	nc	<0.05	nc
SVOC								
2,3,4,6-tetrachlorophenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
2,4,6-trichlorophenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
2,6-dichlorophenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
2-nitrophenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
4-chloro-3-methylphenol	µg/L	0.05		<0.05	<0.05	nc	<0.05	nc
4-nitrophenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
Pentachlorophenol	µg/L	0.05		<0.05	<0.05	nc	<0.05	nc
Scheduled chemicals (NSW Waste 2008)	µg/L			<0.385	<0.385	nc	<0.385	nc
3-Methylphenol	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
Hexachlorophene	µg/L	0.1		<0.1	<0.1	nc	<0.1	nc
Oxychlordane	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc
Hexachlorobenzene	µg/L	0.01		<0.01	<0.01	nc	<0.01	nc

Notes
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Highlighted cells denote RPDs that are greater than 50% acceptable level.
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TPH = Total Petroleum Hydrocarbons
PAH = Polycyclic Aromatic Hydrocarbons
SVOC = Semi Volatile Organic Compounds
< = concentration not detected greater than the Laboratory LOR.
- = not analysed
nc = not calculable

