Plot A
Stage 2 - Analytical Results - WATER PAHs

Field Identification							WS115	WS124
Sample Type							Water	Water
Sample Round							Oct-01	Oct-01
			GAC protective of:					
Chemical	Method Detection Limit	Units	Human Health	Source	Controlled Waters	Source		
Acenaphthene	0.01	µg/l	nv	F	365	B	1.12	0.02
Acenaphthylene	0.01	µg/l	17,700	F	10	A	0.85	0.01
Anthracene	0.01	µg/l	nv	F	1,825	B	0.16	<mdl
Benzo(a)anthracene	0.01	µg/l	nv	F	0.1	B	0.11	<mdl
Benzo(a)pyrene	0.01	µg/l	164	F	0.01	A	0.02	<mdl
Benzo(b)fluoranthene	0.01	µg/l	nv	F	nv	A	0.03	<mdl
Benzo(g,h,i)perylene	0.01	µg/l	nv	F	nv	A	<mdl	<mdl
Benzo(k)fluoranthene	0.01	µg/l	nv	F	nv	A	0.02	<mdl
Chrysene	0.01	µg/l	nv	F	9	B	0.06	<mdl
Dibenz(a,h)anthracene	0.01	µg/l	nv	F	0.01	B	<mdl	<mdl
Fluoranthene	0.01	µg/l	nv	F	0.2	A	0.70	<mdl
Fluorene	0.01	µg/l	nv	F	243	B	0.50	<mdl
I<mdleno(1,2,3-cd)pyrene	0.01	µg/l	nv	F	nv	A	<mdl	<mdl
Naphthalene	0.01	µg/l	1,590	F	5	E	0.46	0.61
Phenanthrene	0.01	µg/l	nv	F	10	A	0.05	<mdl
Pyrene	0.01	µg/l	nv	F	183	B	0.61	<mdl
Total PAH	0.01	µg/l	nv	nv	nv	nv	4.69	0.64
Total PAH (Sum of UK 4)	0.01	µg/l	nv	nv	0.1	A	0.05	<mdl

LEGEND
TP = Trial Pit
BH = Borehole

"-" = not analysed
nv = no value
<mdl = below method detection limit

A = UK Drinking Water Standards (DWS) 2000
B = USEPA Region 9 (pathway specific)
C = World Health Organisation Drinking Water Guidelines (WHO DWG)
D = UK Marine / Estuarine EQS Surface Waters (Dangerous Substances)(Classification) Regulations 1997
E = UK Marine / Estuarine EQS Surface Waters (Dangerous Substances)(Classification) Regulations 1989
F = URS Generic Assessment Criteria (GAC)
G = UK Marine / Estuarine EQS Surface Waters (Dangerous Substances)(Classification) Regulations 1998
H = UK Marine / Estuarine EQS Surface Waters (Dangerous Substances)(Classification) Regulations 1992
J = UK Marine / Estuarine Environmental Quality Standards (EQS) UK EQS
K = UK Soil Guideline Values (SGV)
L = Dutch SRC
M = US EPA Region 9 PRG
N = Corrected DIV
P = US EPA Region 3
Q = Dutch SRC: NB based on Res with Gardens
R = Dutch Indicative Intervention Value

XX	Reported concentration exceeds Stage 2 human health and controlled waters screening criteria
XX	Reported concentration exceeds Stage 2 human health screening criteria
XX	Reported concentration exceeds Stage 2 controlled waters screening criteria

Table 20 - Miscellaneous Water

Plot A
Stage 2 - Analytical Results - WATER Misc

Field Identification							WS115	WS120	WS124	WS506A	WS100A	WS507A	WS510A	WS101A	ERM3
Sample Round							Oct-01	Oct-01	Oct-01	Mar-07	Mar-07	Mar-07	Mar-07	Mar-07	Mar-07
Sample Type							Water	Water	Water	Water	Duplicate WS506A	Water	Water	Duplicate WS510A	Water
			GAC protective of:												
Chemical	**Method Detection Limit**	**Units**	**Human Health**	**Source**	**Controlled Waters**	**Source**									
Electrical Conductivity	0.014	nv	nv	nv	nv	nv	-	-	-	0.75	0.72	0.93	0.79	0.78	-
Ph	1	nv	6.5 - 10	A	6 - 8.56	A	<mdl	7.2	8.19	8.57	8.53	8.59	7.81	7.8	-
Total Cyanide	50	µg/L	50	A	50	A	-	-	-	<mdl	<mdl	<mdl	-	-	-
Sulphate Water Soluble	300	µg/L	150,000	A	150,000	A	**313,000**	<mdl	**928,000**	<mdl	<mdl	<mdl	<mdl	<mdl	-
Thiocyanate	200	µg/L	nv	nv	nv	nv	500	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl	-
Total Cyanide	50	µg/L	50	A	50	A	**1,670**	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl
Total Phenols	10	µg/L	nv	nv	nv	nv	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl	<mdl	-

LEGEND
TP = Trial Pit
BH = Borehole

"-" = not analysed
nv = no value
<mdl = below method detection limit

A = UK Drinking Water Standards (DWS) 2000
B = USEPA Region 9 (pathway specific)
C = World Health Organisation Drinking Water Guidelines (WHO DWG)
D = UK Marine / Estuarine EQS Surface Waters (Dangerous Substances)(Classification) Regulations 1997
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J = UK Marine / Estuarine Environmental Quality Standards (EQS) UK EQS
K = UK Soil Guideline Values (SGV)
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XX	Reported concentration exceeds Stage 2 human health and controlled waters screening criteria
XX	Reported concentration exceeds Stage 2 human health screening criteria
XX	Reported concentration exceeds Stage 2 controlled waters screening criteria