

Sample	Description	Date Sampled	As	Cd	Pb	Hg	Cu	Ni	Zn	Cr	Se	B	pH	Chloride	Sulphate	Sulphide	SCN	Total Cyanide	Free Cyanide	Phenol	Ammoniacal Nitrogen	Nitrate	Sulphur	
96063	BH1	26th April 2006	<0.001	<0.005	0.005	<0.0001	0.002	<0.01	<0.008	<0.01	<0.0001	0.38	8.1	69	<5	<0.03	<0.1	<0.05	<0.05	<0.03	2.21	<1	<1	
96666	BH2	3rd May 2006	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.58		8.3	0.06	<0.1	<0.05	<0.05	<0.03	193	<1	4.7	<0.001	<0.005	
97137	BH3	8th May 2008	<0.001	<0.005	0.013	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.0001	0.25	7.7	255	<5	<0.1	<0.1	<0.05		<0.03	3.08	<1	<1	
96064	BH4	26th April 2006	<0.001	<0.005	<0.004	0.001	<0.001	<0.01	<0.008	<0.01	<0.0001	0.66	7.7	195	<5	<0.03	<0.1	<0.05	<0.05	<0.03	3.45	<1	<1	
97138	BH4	8th May 2008	<0.001	<0.005	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.0001	0.24	8.2	204	<5	<0.1	<0.1	<0.05		<0.03	3.96	<1	<1	
104075	BH9	31st August 2006	<0.001	<0.005	<0.004	<0.0001	0.005	<0.01	<0.008	<0.01	<0.0001	0.38	7.8	74	<5	<0.1		<0.05	<0.05	<0.03	0.25	<1		
	Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
	Reporting limit		0.001	0.005	0.004	0.0001	0.001	0.01	0.008	0.01	0.0001	0.01	n/a	5	5	0.1	0.1	0.05	0.05	0.03	0.04	1	1	1
	Guidance Level		0.01	0.005	0.01	0.001	0.01	0.05	0.075	0.02	0.01	1	6 - 9	250	250	0.00025		0.05		0.5	0.015	50		
	Source		UK DWS	UK DWS	UK DWS	UK DWS	UK DWS	UK DWS	UK DWS	UK DWS	UK DWS	UK DWS	UK EQS	UK DWS	UK DWS	EQS (f)		UK DWS		UKDWS	UK EQS	UKDWS		

Sample	Description	Date Sampled	pH	As	Cd	Pb	Hg	Cu	Ni	Zn	Cr	Hex Cr	Se	B	Chloride	Sulphate	Sulphide	Total Cyanide	Free Cyanide	Ammoniacal Nitrogen	BOD	COD	NO3	Suspended Solids	
97133	SW1	8th May 2006	7.5	<0.001	<0.005	<0.004	<0.0001	0.006	<0.01	0.015	<0.01	<0.01	<0.0001	0.28	50	43	<0.1	<0.05		0.27	4	42		78	
97306	SW1	11th May 2006	7.6	<0.001	<0.005	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.17	79	53	<0.1	<0.05	<0.05	2.99	6	53	<1	76	
97134	SW2	8th May 2006	7.9	<0.001	<0.005	<0.004	<0.0001	0.002	<0.01	0.009	<0.01	<0.01	<0.0001	0.31	62	41	<0.1	<0.05		0.38	<3	47		<10	
97307	SW2	11th May 2006	7.8	<0.001	<0.005	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.14	93	59	<0.1	<0.05	<0.05	2.00	<3	52	<1	20	
97135	SW3	8th May 2006	7.7	<0.001	<0.005	<0.004	0.0017	0.004	<0.01	0.015	<0.01	<0.01	<0.0001	0.27	61	38	<0.1	<0.05		0.34	5	50		<10	
97308	SW3	11th May 2006	7.8	<0.001	<0.005	0.006	<0.0001	<0.001	<0.01	<0.008	0.01	<0.01	<0.0001	0.09	90	54	<0.1	<0.05	<0.05	0.40	4	56	<1	<10	
97136	SW4	8th May 2006	7.5	<0.001	<0.005	<0.004	<0.0001	0.004	<0.01	0.178	<0.01	<0.01	<0.0001	0.37	40	162	<0.1	<0.05		1.61	<3	49		26	
97309	SW4	11th May 2006	7.5	<0.001	<0.005	<0.004	<0.0001	0.010	<0.01	<0.008	<0.01	<0.01	<0.0001	0.06	36	265	<0.1	<0.05	<0.05	2.80	4	41	24	16	
97310	SW5	11th May 2006	7.8	<0.001	<0.005	0.010	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.04	88	77	<0.1	<0.05	<0.05	0.50	4	55	<1	18	
				mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mgO ₂ /l	mg/l	mg/l	mg/l	mg/l
		Reporting limit	n/a	0.001	0.005	0.004	0.0001	0.001	0.01	0.008	0.01	0.01	0.0001	0.01	5	5	0.1	0.05	0.05	0.04	3	5	1	10	
		Guidance Level Source		0.05 UK EQS	0.005 UK EQS	0.01 UK EQS	0.001 UK EQS	0.01 UK EQS	0.1 UK EQS	0.05 UK EQS	0.02 UK EQS	0.02 UK EQS	0.01 UKDWS	2 UK EQS	250 UK EQS	400 UK EQS	0.25 UK EQS	0.005 UK EQS	0.005 UK EQS	0.5 UKDWS					

Sample			96063	96666	97137	96064	97138	104075
Date Sampled			26th April 2006	3rd May 2006	8th May 2008	26th April 2006	8th May 2008	31st August 2006
Description	Reporting limit(ug/l)	Guidance (UK EQS)	BH1	BH2	BH3	BH4	BH4	BH9
Naphthalene	0.02	0.1	8.18	<0.02	<0.02	3.94	<0.02	<0.02
Acenaphthylene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	0.02	0.1	<0.02	<0.02	0.12	<0.02	<0.02	3.83
Anthracene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	0.02	0.1	<0.02	<0.02	0.08	<0.02	<0.02	1.98
Pyrene	0.02	0.1	<0.02	<0.02	0.14	<0.02	<0.02	2.74
Benzoanthracene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	0.52
Chrysene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	0.71
Benzo(b)/Benzo(k)fluoranthene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	1.47
Benzo-a-pyrene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	1.57
Indeno (1,2,3-CD) pyrene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
1,2:5,6 Dibenzoanthracene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(g,h,i)perylene	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	2.07
Total PAH	0.2		8.18	<0.2	0.34	3.94	<0.2	14.9

Sample	Description	Date Sampled	Reporting Limit	Units	Guidance	Source	GRO Range Hydrocarbons	DRO Range Hydrocarbons	MRO Range Hydrocarbons	Total Petroleum Hydrocarbons	Carbon Range	Possible Fuel Type
96063	BH1	26th April 2006	0.01	ug/l	10	UK DWS	<0.01	<0.01	<0.01	<0.01	n/a	n/a
96666	BH2	3rd May 2006	0.01	ug/l	10	UK DWS	<0.01	0.09	2.70	2.79	C21-C34	Mineral Oil
97137	BH3	8th May 2008	0.01	ug/l	10	UK DWS	<0.01	0.05	0.09	0.13	C22-C34	Mineral Oil
96064	BH4	26th April 2006	0.01	ug/l	10	UK DWS	<0.01	<0.01	<0.01	<0.01	n/a	n/a
97138	BH4	8th May 2008	0.01	ug/l	10	UK DWS	<0.01	<0.01	<0.01	<0.01	n/a	n/a
104075	BH9	31st August 2006	0.01	ug/l	10	UK DWS	<0.01	<0.01	<0.01	<0.01	n/a	n/a

Sample		Guidance	guidance	96063	96666	97137	96064	97138	104075
Date Sampled	Reporting limit (ug/l)			26th April 2006	3rd May 2006	8th May 2008	26th April 2006	8th May 2008	31st August 2006
Description		Level	source	BH1	BH2	BH3	BH4	BH4	BH9
Phenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chlorophenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Methylphenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Methylphenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dimethylphenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4-Dichlorophenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,6-Dichlorophenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chloro-3-methylphenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2,4,5/2,4,6-Trichlorophenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2+4 Nitrophenol	0.1			<0.1	<0.1	21	<0.1	16	<0.1
2,4-Dinitrophenol	0.1			<0.1	<0.1	3.4	<0.1	2.1	<0.1
2,3,4,6-Tetrachlorophenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4,6-Dinitro-o-cresol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pentachlorophenol	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroethyl)ether	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichlorobenzene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,3-Dichlorobenzene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,4-Dichlorobenzene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bis(2-chloroisopropyl)ether	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachloroethane	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
N-Nitrosodi-n-propylamine	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrobenzene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Isophorone	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	0.7
Bis(2-chloroethoxy)methane	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2,4-Trichlorobenzene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	0.1	10	UK EQS	2.0	<0.1	<0.1	1.2	<0.1	1.5
Hexachloro- 1,3-butadiene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorocyclopentadiene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2-Chloronaphthalene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dimethyl phthalate	0.1			<0.1	<0.1	<0.1	<0.1	0.5	<0.1
2,6-Dinitrotoluene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	0.1			<0.1	<0.1	0.3	<0.1	<0.1	<0.1
2,4-Dinitrotoluene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Chlorophenyl phenyl ether	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Diethyl phthalate	0.1			20	<0.1	<0.1	3.2	<0.1	<0.1
N-Nitrosodiphenylamine	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Azobenzene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4-Bromophenyl phenyl ether	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hexachlorobenzene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	0.1	10	UK EQS	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Di-n-butyl phthalate	0.1			<0.1	1.5	39	<0.1	23.0	<0.1
Fluoranthene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2:5,6-Dibenzanthracene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Benzanthracene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	1.1
Chrysene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	1.1
Butyl benzyl phthalate	0.1			214	14.1	<0.1	50	<0.1	<0.1
Bis(2-ethylhexyl)phthalate	0.1			157	12.4	<0.1	50	<0.1	<0.1
Di-n-octyl phthalate	0.1			<0.1	<0.1	7.0	<0.1	7.2	<0.1
Benzo(b)fluoranthene/Benzo(k)	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	3.1
Benzo(a)pyrene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	2.3
Indeno(1,2,3-C,D)pyrene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	0.3
1,12-Benzoperylene	0.1			<0.1	<0.1	<0.1	<0.1	<0.1	3.5

BODYCOTE TESTING LTD-4 BLEASDALE COURT-CLYDEBANK BUSINESS PARK-CLYDEBANK-G81 2LE
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Job No : A205523

Mr T MacLeod
BAE Systems Enviromental
Station Road
Bishopton
Renfrewshire
PA7 5NJ

Date : 19 May 2006

Our Ref : PA/KH/CJ

Your Ref: 51214912

REPORT ON ANALYSIS OF WATER SAMPLES
FROM M8 JUNCTION AT BISHOPTON

Introduction

Further to your instructions we have carried out analysis on 2 no. samples of water received on 27 April 2006. The samples were analysed for certain specified parameters.

Test Results

Test results are detailed overleaf.

Issued by:

Authorised by:



Paul Allen
HEAD OF SECTION



Ken Hepburn
TECHNICAL DIRECTOR

Page 1 of 6

“With effect from 13 February 2006 Bodycote Materials Testing Limited is now incorporated as Bodycote Testing Limited”

WATER RESULTS

Our ref A205523
 Your ref 51214912
 Site ref M8 Junction at Bishopton A567-00



bodycote
TESTING

Method	AN5	AN16	AN16	AN45	AN26*	AN45	AN45	AN45	AN45	AN24*	AN16	AN35	AN37	AN10*	AN10*	AN37	AN10*	AN10*	AN10*	AN10*	AN37	AN10*	
Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Reporting limit	n/a	5	5	0.1	0.1	0.05	0.05	0.03	0.04	1	1	0.001	0.005	0.004	0.0001	0.001	0.01	0.008	0.01	0.0001	0.01	0.01	
						Total Cyanide	Free Cyanide	Ammoniacal															
Sample	Description	pH	Chloride	Sulphate	Sulphide	SCN	Cyanide	Phenol	Nitrogen	Nitrate	Sulphur	As	Cd	Pb	Hg	Cu	Ni	Zn	Cr	Se	B		
96063	BH1	8.1	69	<5	<0.03	<0.1	<0.05	<0.05	<0.03	2.21	<1	<1	<0.001	<0.005	0.005	<0.0001	0.002	<0.01	<0.008	<0.01	<0.0001	0.38	
96064	BH4	7.7	195	<5	<0.03	<0.1	<0.05	<0.05	<0.03	3.45	<1	<1	<0.001	<0.005	<0.004	0.001	<0.001	<0.01	<0.008	<0.01	<0.0001	0.66	

* Test not UKAS accredited

SPECIATED PAH RESULTS



Our ref A205523
Your ref 51214912
Site ref M8 Junction at Bishopton A567-00

Water
 AN19A/1
 µg/L

Method			
Units	µg/L	µg/L	
Sample	96063	96064	
Description	BH1	BH4	Reporting limit
Naphthalene	8.18	3.94	0.02
Acenaphthylene	<0.02	<0.02	0.02
Acenaphthene	<0.02	<0.02	0.02
Fluorene	<0.02	<0.02	0.02
Phenanthrene	<0.02	<0.02	0.02
Anthracene	<0.02	<0.02	0.02
Fluoranthene	<0.02	<0.02	0.02
Pyrene	<0.02	<0.02	0.02
Benzantracene	<0.02	<0.02	0.02
Chrysene	<0.02	<0.02	0.02
Benzo(b)/Benzo(k)fluoranthene	<0.02	<0.02	0.02
Benzo-a-pyrene	<0.02	<0.02	0.02
Indeno (1,2,3-CD) pyrene	<0.02	<0.02	0.02
1,2:5,6 Dibenzanthracene	<0.02	<0.02	0.02
Benzo(g,h,i)perylene	<0.02	<0.02	0.02
Total PAH	8.18	3.94	0.2

SPECIATED TPH RESULTS

Our ref A205523
Your ref 51214912
Site ref M8 Junction at Bishopton A567-00



Method (water) AN34A/1
 Units (water) mg/l
 Reporting limit (water) 0.01

Sample	Description	GRO Range Hydrocarbons	DRO Range Hydrocarbons	MRO Range Hydrocarbons	Total Petroleum Hydrocarbons	Carbon Range	Possible Fuel Type
96063	BH1	<0.01	<0.01	<0.01	<0.01	n/a	n/a
96064	BH4	<0.01	<0.01	<0.01	<0.01	n/a	n/a

SPECIATED SVOC RESULTS


Our ref A205523
Your ref 51214912
Site ref M8 Junction at Bishopton A567-00

Method Water
 AN42A
 Units $\mu\text{g/l}$ $\mu\text{g/l}$ $\mu\text{g/l}$

Sample Description	96063 BH1	96064 BH4	Reporting limit
Phenol	<0.1	<0.1	0.1
2-Chlorophenol	<0.1	<0.1	0.1
2-Methylphenol	<0.1	<0.1	0.1
4-Methylphenol	<0.1	<0.1	0.1
2,4-Dimethylphenol	<0.1	<0.1	0.1
2,4-Dichlorophenol	<0.1	<0.1	0.1
2,6-Dichlorophenol	<0.1	<0.1	0.1
4-Chloro-3-methylphenol	<0.1	<0.1	0.1
2,4,5/2,4,6-Trichlorophenol	<0.1	<0.1	0.1
2+4 Nitrophenol	<0.1	<0.1	0.1
2,4-Dinitrophenol	<0.1	<0.1	0.1
2,3,4,6-Tetrachlorophenol	<0.1	<0.1	0.1
4,6-Dinitro-o-cresol	<0.1	<0.1	0.1
Pentachlorophenol	<0.1	<0.1	0.1
Bis(2-chloroethyl)ether	<0.1	<0.1	0.1
1,2-Dichlorobenzene	<0.1	<0.1	0.1
1,3-Dichlorobenzene	<0.1	<0.1	0.1
1,4-Dichlorobenzene	<0.1	<0.1	0.1
Bis(2-chloroisopropyl)ether	<0.1	<0.1	0.1
Hexachloroethane	<0.1	<0.1	0.1
N-Nitrosodi-n-propylamine	<0.1	<0.1	0.1
Nitrobenzene	<0.1	<0.1	0.1
Isophorone	<0.1	<0.1	0.1
Bis(2-chloroethoxy)methane	<0.1	<0.1	0.1
1,2,4-Trichlorobenzene	<0.1	<0.1	0.1
Napthalene	2.0	1.2	0.1
Hexachloro- 1,3-butadiene	<0.1	<0.1	0.1
Hexachlorocyclopentadiene	<0.1	<0.1	0.1
2-Chloronaphthalene	<0.1	<0.1	0.1
Acenaphthylene	<0.1	<0.1	0.1
Dimethyl phthalate	<0.1	<0.1	0.1
2,6-Dinitrotoluene	<0.1	<0.1	0.1
Acenaphthene	<0.1	<0.1	0.1
2,4-Dinitrotoluene	<0.1	<0.1	0.1
Fluorene	<0.1	<0.1	0.1
4-Chlorophenyl phenyl ether	<0.1	<0.1	0.1
Diethyl phthalate	20	3.2	0.1
N-Nitrosodiphenylamine	<0.1	<0.1	0.1
Azobenzene	<0.1	<0.1	0.1
4-Bromophenyl phenyl ether	<0.1	<0.1	0.1
Hexachlorobenzene	<0.1	<0.1	0.1
Phenanthrene	<0.1	<0.1	0.1
Anthracene	<0.1	<0.1	0.1
Di-n-butyl phthalate	<0.1	<0.1	0.1
Fluoranthene	<0.1	<0.1	0.1
Pyrene	<0.1	<0.1	0.1
1,2:5,6-Dibenzanthracene	<0.1	<0.1	0.1
1,2-Benzanthracene	<0.1	<0.1	0.1
Chrysene	<0.1	<0.1	0.1
Butyl benzyl phthalate	214	50	0.1
Bis(2-ethylhexyl)phthalate	157	50	0.1
Di-n-octyl phthalate	<0.1	<0.1	0.1
Benzo(b)fluoranthene/Benzo(k)	<0.1	<0.1	0.1
Benzo(a)pyrene	<0.1	<0.1	0.1
Indeno(1,2,3-C,D)pyrene	<0.1	<0.1	0.1
1,12-Benzoperylene	<0.1	<0.1	0.1

SPECIATED VOC RESULTS



Our ref A205523
Your ref 51214912
Site ref M8 Junction at Bishopton A567-00

Method Water
 Units AN15
 mg/l mg/l mg/l

Sample	96063	96064	
Description	BH1	BH4	Reporting limit
Vinyl chloride	<0.005	<0.005	0.005
Bromomethane	<0.005	<0.005	0.005
Trichlorofluoromethane	<0.005	<0.005	0.005
1,1 Dichloroethylene	<0.005	<0.005	0.005
Trans - 1,2 -dichloroethylene	<0.005	<0.005	0.005
1,1 - Dichloroethane	<0.005	<0.005	0.005
2,2 - Dichloropropane	<0.005	<0.005	0.005
Cis - 1,2 -dichloroethylene	<0.005	<0.005	0.005
Bromochloromethane	<0.005	<0.005	0.005
Chloroform	<0.005	<0.005	0.005
1,1,1 - Trichloroethane	<0.005	<0.005	0.005
Carbon tetrachloride	<0.005	<0.005	0.005
1,1 - Dichloropropene	<0.005	<0.005	0.005
Benzene	<0.005	<0.005	0.005
1,2 - Dichloroethane	<0.005	<0.005	0.005
Trichloroethylene	<0.005	<0.005	0.005
1,2 - Dichloropropane	<0.005	<0.005	0.005
Dibromomethane	<0.005	<0.005	0.005
Bromodichloromethane	<0.005	<0.005	0.005
Cis - 1,3 - Dichloropropene	<0.005	<0.005	0.005
Toluene	<0.005	<0.005	0.005
Trans - 1,3 - Dichloropropene	<0.005	<0.005	0.005
1,1,2 - Trichloroethane	<0.005	<0.005	0.005
Tetrachloroethylene	<0.005	<0.005	0.005
1,3 - Dichloropropane	<0.005	<0.005	0.005
Chlorodibromomethane	<0.005	<0.005	0.005
1,2 - Dibromoethane	<0.005	<0.005	0.005
Chlorobenzene	<0.005	<0.005	0.005
Ethylbenzene	<0.005	<0.005	0.005
1,1,1,2 Tetrachloroethane	<0.005	<0.005	0.005
m,p-xylene	<0.005	<0.005	0.005
o-xylene	<0.005	<0.005	0.005
Styrene	<0.005	<0.005	0.005
Bromoform	<0.005	<0.005	0.005
Isopropylbenzene	<0.005	<0.005	0.005
1,1,2,2 Tetrachloroethane	<0.005	<0.005	0.005
Bromobenzene	<0.005	<0.005	0.005
1,2,3 - Trichloropropane	<0.005	<0.005	0.005
N - propylbenzene	<0.005	<0.005	0.005
2 - Chlorotoluene	<0.005	<0.005	0.005
1,3,5 - Trimethylbenzene	<0.005	<0.005	0.005
4 - Chlorotoluene	<0.005	<0.005	0.005
Tert - butylbenzene	<0.005	<0.005	0.005
1,2,4 - Trimethylbenzene	<0.005	<0.005	0.005
Sec - butylbenzene	<0.005	<0.005	0.005
4 - isopropyltoluene	<0.005	<0.005	0.005
1,3 - Dichlorobenzene	<0.005	<0.005	0.005
1,4 - Dichlorobenzene	<0.005	<0.005	0.005
N - butylbenzene	<0.005	<0.005	0.005
1,2 - Dichlorobenzene	<0.005	<0.005	0.005
1,2 - Dibromo - 3 chloro - propane	<0.005	<0.005	0.005
1,2,4 - Trichlorobenzene	<0.005	<0.005	0.005
Hexachlorobutadiene	<0.005	<0.005	0.005
Naphthalene	<0.005	<0.005	0.005
1,2,3 - Trichlorobenzene	<0.005	<0.005	0.005



BODYCOTE TESTING LTD-4 BLEASDALE COURT-CLYDEBANK BUSINESS PARK-CLYDEBANK-G81 2LE
TEL: 0141 941 2022 FAX: 0141 952 7099-WEBSITE: www.bodycote.com

Mr T MacLeod
BAE Systems Enviromental
Station Road
Bishopton
Renfrewshire
PA7 5NJ

Job No : A205670
Date : 24 May 2006
Our Ref : PA/KH/CJ
Your Ref: N/A

REPORT ON ANALYSIS OF A WATER SAMPLE
FROM M8 JUNCTION AT BISHOPTON - BATCH NO 2

Introduction

Further to your instructions we have carried out analysis on 1 no. sample of water received on 4 May 2006. The sample was analysed for certain specified parameters.

Test Results

Test results are detailed overleaf.

Issued by:

Paul Allen
HEAD OF SECTION

DATE OF RECEIPT 25 MAY 2006	
PROJECT No. A507-00	
ACTION BY:	PA
COPIES TO:	
PROPERTY AND ENVIRONMENTAL SERVICES	

Authorised by:

Ken Hepburn
OPERATIONS DIRECTOR

Page 1 of 6

WATER RESULTS

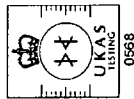
Our ref A205670
Your ref N/A
Site ref M8 Junction at Bishopton - Bath No 2



Bodycote TESTING

Method	AN5	AN16	AN45	AN45	AN45	AN45	AN16	AN16	AN24	AN37/1	AN10*	AN10*	AN37/1	AN10*	AN10*	AN10*	AN10*	AN27*	AN37/1	AN10*	
Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Reporting limit	n/a	0.01	0.1	0.05	0.05	0.03	1	1	0.04	0.001	0.005	0.004	0.0001	0.001	0.01	0.008	0.01	0.01	0.0001	0.01	
		Water Sol		Free	Total																Hex
Sample	Description	pH	Sulphate	Sulphide	Cyanide	Cyanide	Phenol	Chloride	NO3	NH3	As	Cd	Pb	Hg	Cu	Ni	Zn	Cr	Cr	Se	B
96666	BH2	8.3	0.06	<0.1	<0.05	<0.05	<0.03	193	<1	4.7	<0.001	<0.005	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.58

* Test not UKAS accredited



SPECIATED PAH RESULTS

Our ref A205670
 Your ref N/A
 Site ref M8 Junction at Bishopston - Bath No 2

Method Water
 Units AN19A
 µg/L

Sample Description	96666 BH2	Reporting limit
Naphthalene	<0.02	0.02
Acenaphthylene	<0.02	0.02
Acenaphthene	<0.02	0.02
Fluorene	<0.02	0.02
Phenanthrene	<0.02	0.02
Anthracene	<0.02	0.02
Fluoranthene	<0.02	0.02
Pyrene	<0.02	0.02
Benzantracene	<0.02	0.02
Chrysene	<0.02	0.02
Benzo(b)/Benzo(k)fluoranthene	<0.02	0.02
Benzo-a-pyrene	<0.02	0.02
Indeno (1,2,3-CD) pyrene	<0.02	0.02
1,2:5,6 Dibenanthracene	<0.02	0.02
Benzo(g,h,i)perylene	<0.02	0.02
Total PAH	<0.2	0.2

SPECIATED TPH RESULTS

Our ref A205670
Your ref N/A
Site ref M8 Junction at Bishopton - Bath No 2



Method (water) AN34A/1
 Units (water) mg/l
 Reporting limit (water) 0.01

Sample	Description	GRO Range Hydrocarbons	DRO Range Hydrocarbons	MRO Range Hydrocarbons	Total Petroleum Hydrocarbons	Carbon Range	Possible Fuel Type
96666	BH2	<0.01	0.09	2.70	2.79	C21-C34	Mineral Oil

SPECIATED SVOC RESULTS



Our ref A205670
 Your ref N/A
 Site ref M8 Junction at Bishopton - Bath No 2

Method Water
 AN42A
 Units µg/l µg/l

Sample Description	96666 BH2	Reporting limit
Phenol	<0.1	0.1
2-Chlorophenol	<0.1	0.1
2-Methylphenol	<0.1	0.1
4-Methylphenol	<0.1	0.1
2,4-Dimethylphenol	<0.1	0.1
2,4-Dichlorophenol	<0.1	0.1
2,6-Dichlorophenol	<0.1	0.1
4-Chloro-3-methylphenol	<0.1	0.1
2,4,5/2,4,6-Trichlorophenol	<0.1	0.1
2+4 Nitrophenol	<0.1	0.1
2,4-Dinitrophenol	<0.1	0.1
2,3,4,6-Tetrachlorophenol	<0.1	0.1
4,6-Dinitro-o-cresol	<0.1	0.1
Pentachlorophenol	<0.1	0.1
Bis(2-chloroethyl)ether	<0.1	0.1
1,2-Dichlorobenzene	<0.1	0.1
1,3-Dichlorobenzene	<0.1	0.1
1,4-Dichlorobenzene	<0.1	0.1
Bis(2-chloroisopropyl)ether	<0.1	0.1
Hexachloroethane	<0.1	0.1
N-Nitrosodi-n-propylamine	<0.1	0.1
Nitrobenzene	<0.1	0.1
Isophorone	<0.1	0.1
Bis(2-chloroethoxy)methane	<0.1	0.1
1,2,4-Trichlorobenzene	<0.1	0.1
Napthalene	<0.1	0.1
Hexachloro- 1,3-butadiene	<0.1	0.1
Hexachlorocyclopentadiene	<0.1	0.1
2-Chloronaphthalene	<0.1	0.1
Acenaphthylene	<0.1	0.1
Dimethyl phthalate	<0.1	0.1
2,6-Dinitrotoluene	<0.1	0.1
Acenaphthene	<0.1	0.1
2,4-Dinitrotoluene	<0.1	0.1
Fluorene	<0.1	0.1
4-Chlorophenyl phenyl ether	<0.1	0.1
Diethyl phthalate	<0.1	0.1
N-Nitrosodiphenylamine	<0.1	0.1
Azobenzene	<0.1	0.1
4-Bromophenyl phenyl ether	<0.1	0.1
Hexachlorobenzene	<0.1	0.1
Phenanthrene	<0.1	0.1
Anthracene	<0.1	0.1
Di-n-butyl phthalate	1.5	0.1
Fluoranthene	<0.1	0.1
Pyrene	<0.1	0.1
1,2:5,6-Dibenzanthracene	<0.1	0.1
1,2-Benzanthracene	<0.1	0.1
Chrysene	<0.1	0.1
Butyl benzyl phthalate	14.1	0.1
Bis(2-ethylhexyl)phthalate	12.4	0.1
Di-n-octyl phthalate	<0.1	0.1
Benzo(b)fluoranthene/Benzo(k)	<0.1	0.1
Benzo(a)pyrene	<0.1	0.1
Indeno(1,2,3-C.D)pyrene	<0.1	0.1
1,12-Benzoperylene	<0.1	0.1

SPECIATED VOC RESULTS



Our ref A205670
 Your ref N/A
 Site ref M8 Junction at Bishopton - Bath No 2

Method Water
 AN15
 Units mg/l mg/l

Sample	96666	
Description	BH2	Reporting limit
Vinyl chloride	<0.005	0.005
Bromomethane	<0.005	0.005
Trichlorofluoromethane	<0.005	0.005
1,1 Dichloroethylene	<0.005	0.005
Trans - 1,2 -dichloroethylene	<0.005	0.005
1,1 - Dichloroethane	<0.005	0.005
2,2 - Dichloropropane	<0.005	0.005
Cis - 1,2 -dichloroethylene	<0.005	0.005
Bromochloromethane	<0.005	0.005
Chloroform	<0.005	0.005
1,1,1 - Trichloroethane	<0.005	0.005
Carbon tetrachloride	<0.005	0.005
1,1 - Dichloropropene	<0.005	0.005
Benzene	<0.005	0.005
1,2 - Dichloroethane	<0.005	0.005
Trichloroethylene	<0.005	0.005
1,2 - Dichloropropane	<0.005	0.005
Dibromomethane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
Cis - 1,3 - Dichloropropene	<0.005	0.005
Toluene	<0.005	0.005
Trans - 1,3 - Dichloropropene	<0.005	0.005
1,1,2 - Trichloroethane	<0.005	0.005
Tetrachloroethylene	<0.005	0.005
1,3 - Dichloropropane	<0.005	0.005
Chlorodibromomethane	<0.005	0.005
1,2 - Dibromoethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
Ethylbenzene	<0.005	0.005
1,1,1,2 Tetrachloroethane	<0.005	0.005
m,p-xylene	<0.005	0.005
o-xylene	<0.005	0.005
Styrene	<0.005	0.005
Bromoform	<0.005	0.005
Isopropylbenzene	<0.005	0.005
1,1,2,2 Tetrachloroethane	<0.005	0.005
Bromobenzene	<0.005	0.005
1,2,3 - Trichloropropane	<0.005	0.005
N - propylbenzene	<0.005	0.005
2 - Chlorotoluene	<0.005	0.005
1,3,5 - Trimethylbenzene	<0.005	0.005
4 - Chlorotoluene	<0.005	0.005
Tert - butylbenzene	<0.005	0.005
1,2,4 - Trimethylbenzene	<0.005	0.005
Sec - butylbenzene	<0.005	0.005
4 - isopropyltoluene	<0.005	0.005
1,3 - Dichlorobenzene	<0.005	0.005
1,4 - Dichlorobenzene	<0.005	0.005
N - butylbenzene	<0.005	0.005
1,2 - Dichlorobenzene	<0.005	0.005
1,2 - Dibromo - 3 chloro - propane	<0.005	0.005
1,2,4 - Trichlorobenzene	<0.005	0.005
Hexachlorobutadiene	<0.005	0.005
Naphthalene	<0.005	0.005
1,2,3 - Trichlorobenzene	<0.005	0.005

Soil results in mg/kg sample as received



BODYCOTE TESTING LTD-4 BLEASDALE COURT-CLYDEBANK BUSINESS PARK-CLYDEBANK-G81 2LE
TEL: 0141 941 2022 FAX: 0141 952 7099-WEBSITE: www.bodycote.com

Mr T MacLeod
BAE Systems Enviromental
Station Road
Bishopton
Renfrewshire
PA7 5NJ

Job No : A205923
Date : 29 May 2006
Our Ref : PA/KH/JW
Your Ref: A0567-00

REPORT ON ANALYSIS OF WATER SAMPLES
FROM BISHOPTON M8 JUNCTION

Introduction

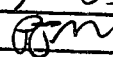
Further to your instructions we have carried out analysis on 5 no. samples of water received on 12 May 2006. The samples were analysed for certain specified parameters.

Test Results

Test results are detailed overleaf.

Issued by:


Paul Allen
SECTION HEAD

DATE OF RECEIPT 31 MAY 2006	
PROJECT No. A567-00	
ACTION BY:	
COPIES TO:	
PROPERTY AND ENVIRONMENTAL SERVICES	

Authorised by:


Ken Hepburn
OPERATIONS DIRECTOR

Page 1 of 3

WATER RESULTS

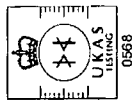
Our ref A205923
Your ref A0567-00
Site ref Bishopton M8 Junction



Method	AN5	AN16	AN16	AN45	AN45	AN45	AN24*	Subcon*	AN25	AN16	EPA 160.2	
Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mgO ₂ /l	mg/l	mg/l	mg/l	
Reporting limit	n/a	5	5	0.1	0.05	0.05	0.04	3	5	1	10	
					Total	Free	Ammoniacal				Suspended	
Sample	Description	pH	Chloride	Sulphate	Sulphide	Cyanide	Cyanide	Nitrogen	BOD	COD	NO3	Solids
97306	SW1	7.6	79	53	<0.1	<0.05	<0.05	2.99	6	53	<1	76
97307	SW2	7.8	93	59	<0.1	<0.05	<0.05	2.00	<3	52	<1	20
97308	SW3	7.8	90	54	<0.1	<0.05	<0.05	0.40	4	56	<1	<10
97309	SW4	7.5	36	265	<0.1	<0.05	<0.05	2.80	4	41	24	16
97310	SW5	7.8	88	77	<0.1	<0.05	<0.05	0.50	4	55	<1	18
Method	AN37	AN10*	AN10*	AN37	AN10*	AN10*	AN10*	AN10*	AN10*	AN27*	AN37	AN10*
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
Reporting limit	0.001	0.005	0.004	0.0001	0.001	0.01	0.008	0.01	0.01	0.01	0.0001	0.01
									Hex			
Sample	Description	As	Cd	Pb	Hg	Cu	Ni	Zn	Cr	Cr	Se	B
97306	SW1	<0.001	<0.005	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.17
97307	SW2	<0.001	<0.005	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.14
97308	SW3	<0.001	<0.005	0.006	<0.0001	<0.001	<0.01	<0.008	0.01	<0.01	<0.0001	0.09
97309	SW4	<0.001	<0.005	<0.004	<0.0001	0.010	<0.01	<0.008	<0.01	<0.01	<0.0001	0.06
97310	SW5	<0.001	<0.005	0.010	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.01	<0.0001	0.04

* Test not UKAS accredited

SPECIATED PAH RESULTS



Our ref A205923
 Your ref A0567-00
 Site ref Bishopton M8 Junction

Method	Units	97306	97307	97308	97309	97310	Water
		SW1	SW2	SW3	SW4	SW5	AN19A/1
		µg/l	µg/l	µg/l	µg/l	µg/l	mg/kg
Sample	Description	SW1	SW2	SW3	SW4	SW5	Reporting limit
	Naphthalene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Acenaphthylene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Acenaphthene	<0.02	<0.02	<0.02	<0.02	0.03	0.02
	Fluorene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Phenanthrene	<0.02	<0.02	<0.02	0.02	<0.02	0.02
	Anthracene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Fluoranthene	<0.02	<0.02	<0.02	<0.02	0.03	0.02
	Pyrene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Benzoanthracene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Chrysene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Benzo(b)/Benzo(k)fluoranthene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Benzo-a-pyrene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Indeno (1,2,3-CD) pyrene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	1,2,5,6 Dibenzoanthracene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Benzo(g,h,i)perylene	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
	Total PAH	<0.2	<0.2	<0.2	<0.2	<0.2	0.2



BODYCOTE TESTING LTD-4 BLEASDALE COURT-CLYDEBANK BUSINESS PARK-CLYDEBANK-G81 2LE
TEL: 0141 941 2022 FAX: 0141 952 7099-WEBSITE: www.bodycote.com

Mr T MacLeod
BAE Systems Environmental
Station Road
Bishopton
Renfrewshire
PA7 5NJ

DATE OF RECEIPT 01 JUN 2006	
PROJECT No. A567-00	
ACTION BY:	Ran
COPIES TO:	
PROPERTY AND ENVIRONMENTAL SERVICES	

Job No : A205813
Date : 31 May 2006
Our Ref : PA/KH/GG
Your Ref: 48401

REPORT ON ANALYSIS OF WATER SAMPLES FROM BISHOPTON M8 JUNCTION –
PROJECT No. A0567-00

Introduction

Further to your instructions we have carried out analysis on 6 no. samples of water received on 09 May 2006. The samples were analysed for certain specified parameters.

Test Results

Test results are detailed overleaf.

Issued by:

Authorised by:

Paul Allen
SECTION HEAD

Ken Hepburn
OPERATIONS DIRECTOR



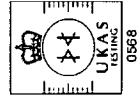
WATER RESULTS

Our ref A205813
 Your ref Bishopton M8 Junction
 Site ref A0567-00

Method	AN5	AN16	AN16	AN16	AN16	AN45	AN45	AN45	AN45	AN26	AN24*	AN25	Subcont*	EPD 160.2*	AN35*
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mgO ₂ /l	mgO ₂ /l	mg/l	mg/l
Reporting limit	n/a	5	5	5	5	0.03	0.05	0.03	0.03	0.1	0.04	5	3	10	1
Sample	Description	pH	Chloride Sulphate	Nitrate	Sulphide	Cyanide	Phenol	SCN	Ammoniacal Nitrogen	COD	BOD	Suspended Solids	Elemental Sulphur		
97133	SW1	7.5	50	43	6	<0.1	<0.05	NR	0.27	42	4	78	NR		
97134	SW2	7.9	62	41	6	<0.1	<0.05	NR	0.38	47	<3	<10	NR		
97135	SW3	7.7	61	38	<1	<0.05	<0.03	NR	0.34	50	5	<10	NR		
97136	SW4	7.5	40	162	13	<0.05	<0.03	NR	1.61	49	<3	26	NR		
97137	BH3	7.7	255	<5	<1	<0.05	<0.03	<0.1	3.08	NR	NR	NR	<1		
97138	BH4	8.2	204	<5	<1	<0.05	<0.03	<0.1	3.96	NR	NR	NR	<1		
Method	AN37	AN10*	AN10*	AN37	AN10*	AN10*	AN10*	AN10*	AN27*	AN37	AN10*	AN37	AN10*		
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		
Reporting limit	0.001	0.005	0.004	0.0001	0.001	0.01	0.008	0.01	0.01	0.0001	0.01	0.0001	0.01		
Sample	Description	As	Cd	Pb	Hg	Cu	Ni	Zn	Cr	Se	Hex	Cr	B		
97133	SW1	<0.001	<0.005	<0.004	<0.0001	0.006	<0.01	0.015	<0.01	<0.0001	<0.01	<0.01	0.28		
97134	SW2	<0.001	<0.005	<0.004	<0.0001	0.002	<0.01	0.009	<0.01	<0.0001	<0.01	<0.01	0.31		
97135	SW3	<0.001	<0.005	<0.004	0.0017	0.004	<0.01	0.015	<0.01	<0.0001	<0.01	<0.01	0.27		
97136	SW4	<0.001	<0.005	<0.004	<0.0001	0.004	<0.01	0.178	<0.01	<0.0001	<0.01	<0.01	0.37		
97137	BH3	<0.001	<0.005	0.013	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.0001	<0.01	<0.01	0.25		
97138	BH4	<0.001	<0.005	<0.004	<0.0001	<0.001	<0.01	<0.008	<0.01	<0.0001	<0.01	<0.01	0.24		

* Test not UKAS accredited

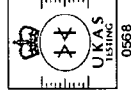
NR = Not Required



SPECIATED PAH RESULTS

Our ref A205813
 Your ref Bisphopton M8 Junction
 Site ref A0567-00

Sample Description	Water				Reporting limit
	97133 SW1	97134 SW2	97135 SW3	97136 SW4	
Naphthalene	<0.02	<0.02	<0.02	<0.02	0.02
Acenaphthylene	<0.02	<0.02	<0.02	<0.02	0.02
Acenaphthene	<0.02	<0.02	<0.02	<0.02	0.02
Fluorene	<0.02	<0.02	<0.02	<0.02	0.02
Phenanthrene	<0.02	<0.02	<0.02	<0.02	0.02
Anthracene	<0.02	<0.02	<0.02	<0.02	0.02
Fluoranthene	<0.02	<0.02	<0.02	<0.02	0.02
Pyrene	0.02	0.20	<0.02	<0.02	0.02
Benzo(a)anthracene	<0.02	<0.02	<0.02	<0.02	0.02
Chrysene	<0.02	<0.02	<0.02	<0.02	0.02
Benzo(b)fluoranthene	<0.02	<0.02	<0.02	<0.02	0.02
Benzo(a)pyrene	<0.02	<0.02	<0.02	<0.02	0.02
Indeno(1,2,3-CD)pyrene	<0.02	<0.02	<0.02	<0.02	0.02
1,2:5,6 Dibenzoanthracene	<0.02	<0.02	<0.02	<0.02	0.02
Benzo(g,h,i)perylene	<0.02	<0.02	<0.02	<0.02	0.02
Total PAH	<0.2	0.20	<0.2	<0.2	0.2



SPECIATED TPH RESULTS

Our ref A205813
 Your ref Bishopton M8 Junction
 Site ref A0567-00

Method (water) AN34A/1
 Units (water) mg/l
 Reporting limit (water) 0.01

Sample	Description	GRO Range Hydrocarbons	DRO Range Hydrocarbons	MRO Range Hydrocarbons	Total Petroleum Hydrocarbons	Carbon Range C22-C34	Possible Fuel Type
97137	BH3	<0.01	0.05 <0.01	0.09 <0.01	0.13 <0.01	C22-C34 n/a	Mineral Oil n/a
97138	BH4	<0.01	<0.01	<0.01	<0.01	n/a	n/a



Our ref A205813
Your ref Bishopton M8 Junction
Site ref A0567-00

Water
 AN42A
 µg/l

Method	µg/l	µg/l	
Units			
Sample	97137	97138	
Description	BH3	BH4	Reporting limit
Phenol	<0.1	<0.1	0.1
2-Chlorophenol	<0.1	<0.1	0.1
2-Methylphenol	<0.1	<0.1	0.1
4-Methylphenol	<0.1	<0.1	0.1
2,4-Dimethylphenol	<0.1	<0.1	0.1
2,4-Dichlorophenol	<0.1	<0.1	0.1
2,6-Dichlorophenol	<0.1	<0.1	0.1
4-Chloro-3-methylphenol	<0.1	<0.1	0.1
2,4,5/2,4,6-Trichlorophenol	<0.1	<0.1	0.1
2+4 Nitrophenol	21	16	0.1
2,4-Dinitrophenol	3.4	2.1	0.1
2,3,4,6-Tetrachlorophenol	<0.1	<0.1	0.1
4,6-Dinitro-o-cresol	<0.1	<0.1	0.1
Pentachlorophenol	<0.1	<0.1	0.1
Bis(2-chloroethyl)ether	<0.1	<0.1	0.1
1,2-Dichlorobenzene	<0.1	<0.1	0.1
1,3-Dichlorobenzene	<0.1	<0.1	0.1
1,4-Dichlorobenzene	<0.1	<0.1	0.1
Bis(2-chloroisopropyl)ether	<0.1	<0.1	0.1
Hexachloroethane	<0.1	<0.1	0.1
N-Nitrosodi-n-propylamine	<0.1	<0.1	0.1
Nitrobenzene	<0.1	<0.1	0.1
Isophorone	<0.1	<0.1	0.1
Bis(2-chloroethoxy)methane	<0.1	<0.1	0.1
1,2,4-Trichlorobenzene	<0.1	<0.1	0.1
Napthalene	<0.1	<0.1	0.1
Hexachloro- 1,3-butadiene	<0.1	<0.1	0.1
Hexachlorocyclopentadiene	<0.1	<0.1	0.1
2-Chloronapthalene	<0.1	<0.1	0.1
Acenaphthylene	<0.1	<0.1	0.1
Dimethyl phthalate	<0.1	0.5	0.1
2,6-Dinitrotoluene	<0.1	<0.1	0.1
Acenaphthene	0.3	<0.1	0.1
2,4-Dinitrotoluene	<0.1	<0.1	0.1
Fluorene	<0.1	<0.1	0.1
4-Chlorophenyl phenyl ether	<0.1	<0.1	0.1
Diethyl phthalate	<0.1	<0.1	0.1
N-Nitrosodiphenylamine	<0.1	<0.1	0.1
Azobenzene	<0.1	<0.1	0.1
4-Bromophenyl phenyl ether	<0.1	<0.1	0.1
Hexachlorobenzene	<0.1	<0.1	0.1
Phenanthrene	<0.1	<0.1	0.1
Anthracene	<0.1	<0.1	0.1
Di-n-butyl phthalate	39	23.0	0.1
Fluoranthene	<0.1	<0.1	0.1
Pyrene	<0.1	<0.1	0.1
1,2:5,6-Dibenzanthracene	<0.1	<0.1	0.1
1,2-Benzanthracene	<0.1	<0.1	0.1
Chrysene	<0.1	<0.1	0.1
Butyl benzyl phthalate	<0.1	<0.1	0.1
Bis(2-ethylhexyl)phthalate	<0.1	<0.1	0.1
Di-n-octyl phthalate	7.0	7.2	0.1
Benzo(b)fluoranthene/Benzo(k)	<0.1	<0.1	0.1
Benzo(a)pyrene	<0.1	<0.1	0.1
Indeno(1,2,3-C,D)pyrene	<0.1	<0.1	0.1
1,12-Benzoperylene	<0.1	<0.1	0.1

DATE OF RECEIPT 12 SEP 2006	
PROJECT No. A0567-00	
ACTION BY:	<i>fm</i>
COPIES TO:	
ENVIRONMENTAL SERVICES	

Mr T Macleod
BAE Systems Environmental
Station Road
Bishopton
Renfrewshire
PA7 5NJ

Job No : A208769

Date : 08 September 2006

Our Ref : PA/KH/JW

Your Ref: A0567-00

REPORT ON ANALYSIS OF A WATER SAMPLE
FROM BISHOPTON M8 JUNCTION

Introduction

Further to your instructions we have carried out analysis on 1 no. sample of water received on 01 September 2006. The sample was analysed for certain specified parameters.

Test Results

Test results are detailed overleaf.

Issued by:

Authorised by:



Paul Allen
SECTION HEAD

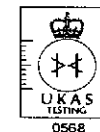


Ken Hepburn
OPERATIONS DIRECTOR

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WATER RESULTS

Our ref A208769
Your ref A0567-00
Site ref Bishopton M8 Junction



Method	AN5	AN16	AN16	AN45	AN45	AN45	AN45	AN24*	AN16			
Units		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l			
Reporting limit	n/a	5	5	0.1	0.05	0.05	0.03	0.04	1			
Sample	Description	pH	Chloride	Sulphate	Sulphide	Total Cyanide	Free Cyanide	Phenol	Ammoniacal Nitrogen	NO3		
104075	BH9	7.8	74	<5	<0.1	<0.05	<0.05	<0.03	0.25	<1		
Method	AN37	AN10	AN10	AN37	AN10	AN10	AN10	AN10	AN27*	AN37	AN10	
Units	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
Reporting limit	0.001	0.005	0.004	0.0001	0.001	0.01	0.001	0.01	0.01	0.0001	0.01	
		<0.001					0.0008					
Sample	Description	As	Cd	Pb	Hg	Cu	Ni	Zn	Cr	Hex Cr	Se	B
104075	BH9	<0.001	<0.005	<0.004	<0.0001	0.005	<0.01	<0.008	<0.01	<0.01	<0.0001	0.38
			<0.001									

* Test not UKAS accredited

SPECIATED PAH RESULTS

Our ref A208769
 Your ref A0567-00
 Site ref Bishopton M8



Water
 AN19A/1
 µg/l

Method
 Units µg/l

 Sample 104075

Description	BH9	Reporting limit
Naphthalene	<0.02	0.02
Acenaphthylene	<0.02	0.02
Acenaphthene	<0.02	0.02
Fluorene	<0.02	0.02
Phenanthrene	3.83	0.02
Anthracene	<0.02	0.02
Fluoranthene	1.98	0.02
Pyrene	2.74	0.02
Benzanthracene	0.52	0.02
Chrysene	0.71	0.02
Benzo(b)/Benzo(k)fluoranthene	1.47	0.02
Benzo-a-pyrene	1.57	0.02
Indeo(1,2,3-CD)pyrene	<0.02	0.02
1,2:5,6-Dibenzanthracene	<0.02	0.02
Benzo(g,h,i)perylene	2.07	0.02
Total USEPA 610 list PAH (mg/l)	14.9	0.2

SPECIATED TPH RESULTS

Our ref A208769
 Your ref A0567-00
 Site ref Bishopton M8

Method (water) AN34A/1
 Units (water) mg/l
 Reporting limit (water) 0.01



Sample	Description	GRO Range Hydrocarbons	DRO Range Hydrocarbons	MRO Range Hydrocarbons	Total Petroleum Hydrocarbons	Carbon Range	Possible Fuel Type
104075	BH9	<0.01	<0.01	<0.01	<0.01	n/a	n/a

Bodycote TESTING

SPECIATED SVOC RESULTS



Our ref A208769
 Your ref A0567-00
 Site ref Bishopton M8

Method Water
 AN42A
 Units µg/l µg/l

Sample 104075 Reporting limit

Description	BH9	Reporting limit
Phenol	<0.1	0.1
2-Chlorophenol	<0.1	0.1
2-Methylphenol	<0.1	0.1
4-Methylphenol	<0.1	0.1
2,4-Dimethylphenol	<0.1	0.1
2,4-Dichlorophenol	<0.1	0.1
2,6-Dichlorophenol	<0.1	0.1
4-Chloro-3-methylphenol	<0.1	0.1
2,4,5/2,4,6-Trichlorophenol	<0.1	0.1
2+4 Nitrophenol	<0.1	0.1
2,4-Dinitrophenol	<0.1	0.1
2,3,4,6-Tetrachlorophenol	<0.1	0.1
4,6-Dinitro-o-cresol	<0.1	0.1
Pentachlorophenol	<0.1	0.1
Bis(2-chloroethyl)ether	<0.1	0.1
1,2-Dichlorobenzene	<0.1	0.1
1,3-Dichlorobenzene	<0.1	0.1
1,4-Dichlorobenzene	<0.1	0.1
Bis(2-chloroisopropyl)ether	<0.1	0.1
Hexachloroethane	<0.1	0.1
N-Nitrosodi-n-propylamine	<0.1	0.1
Nitrobenzene	<0.1	0.1
Isophorone	0.7	0.1
Bis(2-chloroethoxy)methane	<0.1	0.1
1,2,4-Trichlorobenzene	<0.1	0.1
Napthalene	1.5	0.1
Hexachloro- 1,3-butadiene	<0.1	0.1
Hexachlorocyclopentadiene	<0.1	0.1
2-Chloronaphthalene	<0.1	0.1
Acenaphthylene	<0.1	0.1
Dimethyl phthalate	<0.1	0.1
2,6-Dinitrotoluene	<0.1	0.1
Acenaphthene	<0.1	0.1
2,4-Dinitrotoluene	<0.1	0.1
Fluorene	<0.1	0.1
4-Chlorophenyl phenyl ether	<0.1	0.1
Diethyl phthalate	<0.1	0.1
N-Nitrosodiphenylamine	<0.1	0.1
Azobenzene	<0.1	0.1
4-Bromophenyl phenyl ether	<0.1	0.1
Hexachlorobenzene	<0.1	0.1
Phenanthrene	<0.1	0.1
Anthracene	<0.1	0.1
Di-n-butyl phthalate	<0.1	0.1
Fluoranthene	<0.1	0.1
Pyrene	<0.1	0.1
1,2:5,6-Dibenzanthracene	<0.1	0.1
1,2-Benzanthracene	1.1	0.1
Chrysene	1.1	0.1
Butyl benzyl phthalate	<0.1	0.1
Bis(2-ethylhexyl)phthalate	<0.1	0.1
Di-n-octyl phthalate	<0.1	0.1
Benzo(b)fluoranthene/Benzo(k)	3.1	0.1
Benzo(a)pyrene	2.3	0.1
Indeno(1,2,3-C,D)pyrene	0.3	0.1
1,12-Benzoperylene	3.5	0.1

Bodycote TESTING

SPECIATED VOC RESULTS



Our ref A208769
 Your ref A0567-00
 Site ref Bishopton M8

Method Water
 AN15
 Units mg/l mg/l

Sample 104075

Description	BH9	Reporting limit
Vinyl chloride	<0.005	0.005
Bromomethane	<0.005	0.005
Trichlorofluoromethane	<0.005	0.005
1,1 Dichloroethylene	<0.005	0.005
Trans - 1,2 -dichloroethylene	<0.005	0.005
1,1 - Dichloroethane	<0.005	0.005
2,2 - Dichloropropane	<0.005	0.005
Cis - 1,2 -dichloroethylene	<0.005	0.005
Bromochloromethane	<0.005	0.005
Chloroform	<0.005	0.005
1,1,1 - Trichloroethane	<0.005	0.005
1,1 - Dichloropropene	<0.005	0.005
Carbon tetrachloride	<0.005	0.005
Benzene	<0.005	0.005
1,2 - Dichloroethane	<0.005	0.005
Trichloroethylene	<0.005	0.005
1,2 - Dichloropropane	<0.005	0.005
Dibromomethane	<0.005	0.005
Bromodichloromethane	<0.005	0.005
Cis - 1,3 - Dichloropropene	<0.005	0.005
Toluene	<0.005	0.005
Trans - 1,3 - Dichloropropene	<0.005	0.005
1,1,2 - Trichloroethane	<0.005	0.005
Tetrachloroethylene	<0.005	0.005
1,3 - Dichloropropane	<0.005	0.005
Chlorodibromomethane	<0.005	0.005
1,2 - Dibromoethane	<0.005	0.005
Chlorobenzene	<0.005	0.005
1,1,1,2 Tetrachloroethane	<0.005	0.005
Ethylbenzene	<0.005	0.005
m,p-xylene	<0.005	0.005
o-xylene	<0.005	0.005
Styrene	<0.005	0.005
Bromoform	<0.005	0.005
Isopropylbenzene	<0.005	0.005
Bromobenzene	<0.005	0.005
1,1,2,2 Tetrachloroethane	<0.005	0.005
1,2,3 - Trichloropropane	<0.005	0.005
N - propylbenzene	<0.005	0.005
2 - Chlorotoluene	<0.005	0.005
1,3,5 - Trimethylbenzene	<0.005	0.005
4 - Chlorotoluene	<0.005	0.005
Tert - butylbenzene	<0.005	0.005
1,2,4 - Trimethylbenzene	<0.005	0.005
Sec - butylbenzene	<0.005	0.005
1,3 - Dichlorobenzene	<0.005	0.005
4- isopropyltoluene	<0.005	0.005
1,4 - Dichlorobenzene	<0.005	0.005
N - butylbenzene	<0.005	0.005
1,2 - Dichlorobenzene	<0.005	0.005
1,2 - Dibromo - 3 chloro - propane	<0.005	0.005
1,2,4 - Trichlorobenzene	<0.005	0.005
Hexachlorobutadiene	<0.005	0.005
Naphthalene	<0.005	0.005
1,2,3 - Trichlorobenzene	<0.005	0.005

BTEX RESULTS



Our ref A205564
Your ref N/A
Site ref N/A

Method AN43
Units (water) mg/l
Reporting limit 0.005

Sample	Description	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene
96274	TP4 (water)	<0.005	<0.005	<0.005	<0.005	<0.005
96275	TP5 (water)	<0.005	<0.005	<0.005	<0.005	<0.005