



ANALYSIS REPORT

Contact Name
Company
Client Reference
WRC-NSF Reference

Ian Johnson
WRC-NSF Ltd
Posford Haskoning
N17459

Number of Samples Received
Date Samples Received
Sample Types
WRC-NSF Project Number

15
25/10/01
Leachates From Estuarine Sediments
12652-0

Sample Code	Dis Cd ug/l	Cd ug/l	Dis Cr ug/l	Cr ug/l	Hg ug/l	Dis Hg ug/l	NH3 mg/l N	TN mg/l N	Dis Pb ug/l	Pb ug/l	Tot.P mg/l P
BH 501 A	0.4	0.7	<=12	17	<=0.1	<=0.1	2.54	0.7	7	27	<=0.05
BH 501 B	0.3	0.6	<=12	20	<=0.1	<=0.1	19.3	11	3	18	<=0.05
BH 501 C	0.3	46.4	<=12	929	0.9	<=0.1	25.8	18	<=2	2450	<=0.05
BH 502 A	<=0.2	0.9	<=12	<=12	<=0.1	<=0.1	8.67	5.4	<=2	10	<=0.05
BH 502 B	0.3	0.6	<=12	17	<=0.1	<=0.1	16.6	10.5	<=2	31	<=0.05
BH 502 C	0.3	0.3	<=12	18	0.15	<=0.1	23.9	16	<=2	13	<=0.05
BH 503 A	<=0.2	<=0.2	<=12	16	<=0.1	<=0.1	18	10	<=2	11	<=0.05
BH 503 B	<=0.2	0.4	<=12	21	>=0.1	<=0.1	13.4	6	<=2	22	<=0.05
BH 503 C	<=0.2	0.3	<=12	14	<=0.1	<=0.1	4.13	1.6	<=2	11	<=0.05
BH 504 A	<=0.2	0.3	<=12	15	<=0.1	<=0.1	4.65	1.5	<=2	13	<=0.05

Prepn Ref	Method Ref	Run Date	\$	ING19	\$	ING19	n/a	\$	ING19	n/a
ING113	ING113	06/11/01	ING113	ING113	ING75	ING75	ING24	ING113	ING113	\$
		06/11/01	06/11/01	12/11/01	09/11/01	09/11/01	26/10/01	06/11/01	06/11/01	20/11/01

Date of Report 22/11/01
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Contact Name	Ian Johnson	Number of Samples Received	15
Company	WRC-NSF Ltd	Date Samples Received	25/10/01
Client Reference	Posford Haskoning	Sample Types	Leachates From Estuarine Sediments
WRC-NSF Reference	N17459	WRC-NSF Project Number	12652-0

Sample Code	Dis	Cd	Cd	Dis	Cr	Cr	Hg	Dis	Hg	NH3	TN	Dis	Pb	Pb	Tot.P
	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	mg/l N	mg/l N	ug/l	ug/l	ug/l	mg/l P
BH 504 B	<=0.2	0.4	<=12	<=12	<=12	<=12	<=0.1	0.7	1.27	<=0.50	<=2	14	<=0.05		
BH 504 C	0.3	0.4	<=12	<=12	<=12	<=0.1	<=0.1	1.53	<=0.50	<=2	9	<=0.05			
BH 505 A	<=0.2	0.4	<=12	<=12	<=12	<=0.1	<=0.1	3.02	0.8	<=2	30	<=0.05			
BH 505 B	<=0.2	0.5	<=12	<=12	<=12	0.15	<=0.1	0.848	<=0.50	7	56	<=0.05			
BH 505 C	<=0.2	0.7	<=12	<=12	13	0.57	<=0.1	1.05	<=0.50	6	104	<=0.05			

Prepn Ref	\$	ING19	\$	ING19	n/a	\$	ING19	n/a
Method Ref	ING113	ING113	ING113	ING113	ING24	ING113	ING113	\$
Run Date	06/11/01	06/11/01	12/11/01	12/11/01	09/11/01	09/11/01	26/10/01	21/11/01

Date of Report 22/11/01
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N17459

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Leachates From Estuarine Sediments
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Sample Code	Dis As ug/l	As ug/l	Dis Cu mg/l	Cu mg/l	Dis Ni mg/l	Ni mg/l	SUSS mg/l	Dis Zn mg/l	Zn mg/l
BH 501 A	1.53	2.87	<=0.01	<=0.01	<=0.03	<=0.03	138	0.067	0.062
BH 501 B	1.37	2.53	<=0.01	<=0.01	<=0.03	<=0.03	76.4	0.039	0.073
BH 501 C	3.39	314	<=0.01	1.46	<=0.03	0.425	11200	0.08	6.73
BH 502 A	1.6	2.58	<=0.01	<=0.01	<=0.03	0.035	73.2	0.026	0.024
BH 502 B	1.95	5.69	<=0.01	<=0.01	<=0.03	0.042	150	0.034	0.049
BH 502 C	2.08	4.77	<=0.01	<=0.01	<=0.03	0.053	140	0.02	0.03
BH 503 A	1.42	2.75	<=0.01	<=0.01	<=0.03	0.035	122	0.021	0.027
BH 503 B	2.06	5.73	<=0.01	<=0.01	<=0.03	0.036	203	0.01	0.033
BH 503 C	1.79	3.47	<=0.01	<=0.01	<=0.03	<=0.03	135	0.011	0.038
BH 504 A	1.31	3.02	<=0.01	<=0.01	<=0.03	<=0.03	150	0.011	0.02

Prepn Ref	Method Ref	Run Date	Dis As ug/l	As ug/l	Dis Cu mg/l	Cu mg/l	Dis Ni mg/l	Ni mg/l	SUSS mg/l	Dis Zn mg/l	Zn mg/l
ING95	ING95	30/10/01	1.53	2.87	<=0.01	<=0.01	<=0.03	<=0.03	138	0.067	0.062
ING95	ING95	30/10/01	1.37	2.53	<=0.01	<=0.01	<=0.03	<=0.03	76.4	0.039	0.073
ING95	ING95	30/10/01	3.39	314	<=0.01	1.46	<=0.03	0.425	11200	0.08	6.73
ING95	ING95	30/10/01	1.6	2.58	<=0.01	<=0.01	<=0.03	0.035	73.2	0.026	0.024
ING95	ING95	30/10/01	1.95	5.69	<=0.01	<=0.01	<=0.03	0.042	150	0.034	0.049
ING95	ING95	30/10/01	2.08	4.77	<=0.01	<=0.01	<=0.03	0.053	140	0.02	0.03
ING95	ING95	30/10/01	1.42	2.75	<=0.01	<=0.01	<=0.03	0.035	122	0.021	0.027
ING95	ING95	30/10/01	2.06	5.73	<=0.01	<=0.01	<=0.03	0.036	203	0.01	0.033
ING95	ING95	30/10/01	1.79	3.47	<=0.01	<=0.01	<=0.03	<=0.03	135	0.011	0.038
ING95	ING95	30/10/01	1.31	3.02	<=0.01	<=0.01	<=0.03	<=0.03	150	0.011	0.02

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Sample Code	Dis As ug/l	As ug/l	Dis Cu mg/l	Cu mg/l	Dis Ni mg/l	Ni mg/l	SUSS mg/l	Dis Zn mg/l	Zn mg/l
BH 504 B	1.53	3.37	<=0.01	<=0.01	<=0.03	<=0.03	138	0.019	0.033
BH 504 C	1.69	3.12	<=0.01	<=0.01	<=0.03	0.042	119	0.017	0.027
BH 505 A	20.2	25.8	<=0.01	<=0.01	0.032	0.034	101	0.022	0.08
BH 505 B	14.2	23.3	<=0.01	<=0.01	0.034	0.032	136	0.059	0.139
BH 505 C	12.1	31.8	<=0.01	0.019	0.032	0.031	215	0.079	0.235

Prepn Ref	Method Ref	Run Date	Dis As ug/l	As ug/l	Dis Cu mg/l	Cu mg/l	Dis Ni mg/l	Ni mg/l	SUSS mg/l	Dis Zn mg/l	Zn mg/l
\$	ING95	30/10/01	1.53	3.37	<=0.01	<=0.01	<=0.03	<=0.03	138	0.019	0.033
\$	ING95	30/10/01	1.69	3.12	<=0.01	<=0.01	<=0.03	0.042	119	0.017	0.027
\$	ING95	30/10/01	20.2	25.8	<=0.01	<=0.01	0.032	0.034	101	0.022	0.08
\$	ING95	30/10/01	14.2	23.3	<=0.01	<=0.01	0.034	0.032	136	0.059	0.139
\$	ING95	30/10/01	12.1	31.8	<=0.01	0.019	0.032	0.031	215	0.079	0.235

Reported by:

John Dunning

John Dunning
Authorised Signatory

Date of Report 22/11/01
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Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation
Details of the WRC-NSF Accreditation Schedule are available on request
Samples were analysed as received unless otherwise stated

Tests marked \$: Not included in the WRC-NSF UKAS Accreditation Schedule

ANALYSIS REPORT

Semivolatille compounds (GCMS)

Contact Name:	Ian Johnson	Sample Code:	See Below	Number of samples:	15
Client:	WRC-NSF Medmenham	Sample Type:	Leachates	Date Received:	25/10/01
Client Reference:	n/a	Data System Code:	N/A	Date Analysed:	08/11/01
WRC-NSF Reference:	RO7360.101	Sample Volume:	1 litre	Results Page :	1 of 3
WRC-NSF Contract No:	12650-0	Associated Blank:	Groundwater blank	Method Reference:	OA106 \$

COMPOUND	CONCENTRATION ng/l)		
	501A	501B	501C
Hexachlorobutadiene	< 10	< 10	< 10
1,3,5 - Trichlorobenzene	< 10	< 10	< 10
1,2,4 - Trichlorobenzene	< 10	< 10	< 10
1,2,3 - Trichlorobenzene	< 10	< 10	< 10
Hexachlorobenzene	< 10	< 10	< 10
α-HCH	< 10	< 10	< 10
β-HCH	< 10	< 10	< 10
γ-HCH	< 10	< 10	< 10
p,p-DDT	< 10	< 10	< 10
Aldrin	< 10	< 10	< 10
Dieldrin	< 10	< 10	< 10
Endrin	< 10	< 10	< 10
Isodrin	< 10	< 10	< 10
Pentachlorophenol	< 10	< 10	< 10
Total PCBs	< 10	< 10	< 10
Total 'drins'	< 10	< 10	< 10
Total DDT	< 10	< 10	< 10

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ANALYSIS REPORT

Semivolatile compounds (GCMS)

Contact Name: Ian Johnson	Sample Code: See Below	Number of samples: 15
Client: WRC-NSF Medmenham	Sample Type: Leachates	Date Received: 25/10/01
Client Reference: n/a	Data System Code: N/A	Date Analysed: 08/11/01
WRC-NSF Reference: RO7360.101	Sample Volume: 1 litre	Results Page : 3 of 3
WRC-NSF Contract No: 12650-0	Associated Blank: Groundwater blank	Method Reference: OA106 \$

COMPOUND	CONCENTRATION ng/l)		
	504B	504C	505A
Hexachlorobutadiene	< 10	< 10	< 10
1,3,5 - Trichlorobenzene	< 10	< 10	< 10
1,2,4 - Trichlorobenzene	< 10	< 10	< 10
1,2,3 - Trichlorobenzene	< 10	< 10	< 10
Hexachlorobenzene	< 10	< 10	< 10
α-HCH	< 10	< 10	< 10
β-HCH	< 10	< 10	< 10
γ-HCH	< 10	< 10	< 10
p,p-DDT	< 10	< 10	< 10
Aldrin	< 10	< 10	< 10
Dieldrin	< 10	< 10	< 10
Endrin	< 10	< 10	< 10
Isodrin	< 10	< 10	< 10
Pentachlorophenol	< 10	< 10	< 10
Total PCBs	< 10	< 10	< 10
Total 'drins'	< 10	< 10	< 10
Total DDT	< 10	< 10	< 10

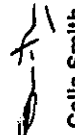
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Reported By: 

Approved By: 
 Cella Smith

Date: 13.11.01

ANALYSIS REPORT

Organotin (GCMS)

Contact Name:	S Challinor	Sample Code:	see below	Number of samples:	15
Client:	Posford Haskoning, Exeter, Devon	Sample Type:	Leachates	Date Received:	25-Oct-01
Client Reference:	n/a	Data System Code:	n/a	Date Analysed:	07-Nov-01
WRC-NSF Reference:	RO7360.102	Sample Volume:	100ml	Results Page:	1 of 1
WRC-NSF Contract No:	12650-0	Associated Blank:	Borehole water	Method Reference:	OA145 \$

SAMPLE CODE	CONCENTRATION (ng/l)	
	Dibutyltin compounds	Tributyltin compounds
501A	<20	<20
501B	<20	<20
501C	<20	<20
502A	<20	<20
502B	<20	<20
502C	<20	<20
503A	<20	<20
503B	<20	<20
503C	<20	<20
504A	<20	<20
504B	<20	<20
504C	<20	<20
505A	<20	<20
505B	<20	<20
505C	<20	<20

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 Tests marked *: Tests not performed by WRC-NSF approved sub-contractor is UKAS accredited for this test

Reported By: 

Approved By: 
 R. Kanda

Date:

11/1/2001