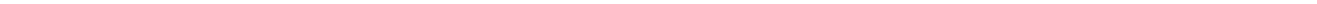




Appendix J Water Analysis Results





Groundwater Results

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring				Hole ID	
Project No. F15285										BH601	
Engineer White, Young & Green.										Fig no.	
Client Vinci Plc.										01	
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring point, GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			S.P.								
Depth to base of installation mbgl			2.16								
Distance to monitoring point from datum mbgl							Monitoring Point ID				
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9
Well volume			0.5	0.5	0.37	0.39	0.39		NR	0.39	0.69
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008
Time of initial reading	hh:mm	N/A	13:50	13:47	10:15	NR	08:50	NR	08:20	13:08	08:40
Water Level	m	0.01	1.94	1.95	1.97	1.95	1.95	2.03	1.96	1.95	1.81
LNAPL	m	0.01	NR	NR	NR	NR	NR		NR	NR	NR
DNAPL	m	0.01	NR	NR	NR	NR	NR		NR	NR	NR
pH	pH units	0.01	6.98	6.48	6.82	7.46	7.16		6.98	8.10	8.20
Temperature	°C	0.01	13.40	12.80	12.90	16.30	13.40		14.00	14.15	14.54
Conductivity	µS/cm	0.01	340.00	1007.00	336.00	800.00	324.00		329.00	485.00	469.00
Dissolved Oxygen	%	0.01	8.60	41.60	41.30	3.30	NR		38.90	13.20	10.90
ORP	mV	1	NR	NR	NR	NR	NR		NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR	NR	NR		NR	NR	NR
Volume of water purged	litres	0.01	2.50	3.00	2.00	1.90	2.00		NR	2.00	4.00
Weather Conditions: Mainly overcast.											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respectve to list above):											
Comments											
Monitored By: SD											
Date: AS ABOVE											
Form No. SI GWM			Revision No. 2.03			Issue Date 24/04/2008					

Project Name Durham Road, Newport.				Record Of In-Situ Water Monitoring				Hole ID			
Project No. F15285								BH601			
Engineer White, Young & Green.								Fig no.			
Client Vinci Plc.								02			
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			2.16								
Distance to monitoring point from datum mbgl							Monitoring Point ID				
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	10	11	12	13	14	15	16	17	18
Well volume			0.9	0.81	1.23		0.82	0.81	0.73	0.7	0.65
Date	dd/mm/yyyy	N/A	21/08/2008	28/08/2008	04/09/2008	10/09/2008	18/09/2008	25/09/1900	02/10/2008	09/10/2008	16/10/2008
Time of initial reading	hh:mm	N/A	14:20	NR	13:20		15:40	15:15	13:49	15:15	15:05
Water Level	m	0.01	1.70	1.75	1.57		1.68	1.75	1.79	1.80	1.83
LNAPL	m	0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
DNAPL	m	0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
pH	pH units	0.01	7.85	7.80	8.00		8.20	7.57	NR	8.04	7.80
Temperature	°C	0.01	16.14	15.60	15.53		15.73	15.07	NR	14.49	14.03
Conductivity	µS/cm	0.01	584.00	581.00	521.00		552.00	618.00	NR	691.00	706.00
Dissolved Oxygen	%	0.01	4.50	0.72	6.70		0.00	13.00	NR	0.00	0.00
ORP	mV	1	NR	NR	NR		NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR		NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	4.50	4.00	6.00		4.00	1.00	3.50	3.50	0.65
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respective to list above):											
Comments											
Installation depth changed to 2.71m.b.g.l. as of 16/10/08 due to debris at base of standpipe.											
Round 15 only 1 litre purged due to lack of time as courier was early.											
Monitored By: S Davies											
Date:											
Form No. SI GWM		Revision No. 2.03		Issue Date 24/04/2008							

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring				Hole ID BH601	
Project No. F15285										Fig no. 02	
Engineer White, Young & Green.											
Client Vinci Plc.											
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring , GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			2.16								
Distance to monitoring point from datum mbgl						Monitoring Point ID					
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	19	20	21	22	23	24	25	26	27
Well volume			0.59	0.49	0.49						
Date	dd/mm/yyyy	N/A	23/10/2008	30/10/2008	06/11/2008						
Time of initial reading	hh:mm	N/A	10:13	10:44	17:00						
Water Level	m	0.01	1.86	1.79	1.80						
LNAPL	m	0.01	<0.01	<0.01	<0.01						
DNAPL	m	0.01	<0.01	<0.01	<0.01						
pH	pH units	0.01	7.19	4.78	4.57						
Temperature	°C	0.01	14.07	11.80	12.10						
Conductivity	µS/cm	0.01	708.00	329.00	329.00						
Dissolved Oxygen	%	0.01	5.00	31.10	NR						
ORP	mV	1	NR	NR	NR						
Turbidity	ftu	0.01	NR	NR	NR						
Volume of water purged	litres	0.01	3.00	2.50	0.50						
Weather Conditions:											
Equipment Used (list): HANNA(HI9145-Dissolved Oxygen, HI9835-Conductivity & HI991003-Temp ,PH).											
Equipment Last Calibrated (respectve to list above):											
Comments											
Round 21-No Sample due to no time. Purged post courier left so due to no daylight and safety reasons only 0.50m purged.											
Monitored By: S Davies											
Date:											
Form No. SI GWM			Revision No. 2.03			Issue Date 24/04/2008					

Project Name Durham Road, Newport.					Record Of In-Situ Water Monitoring				Hole ID			
Project No. F15285									BH602			
Engineer White, Young & Green.									Fig no.			
Client Vinci Plc.									01			
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded												
Well Type			SP									
Depth to base of installation mbgl			2.81									
Distance to monitoring point from datum mbgl							Monitoring Point ID					
Measured Parameter	Units	Detection Limit										
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9	
Well volume			1.4	1.3	1.4	1.3	1.4		NR	1.4	1.57	
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008	
Time of initial reading	hh:mm	N/A	14:13	13:30	10:40	NR	10:00	NR	08:50	12:50	09:00	
Water Level	m	0.01	2.10	2.12	2.15	2.13	2.11	2.20	2.12	2.10	2.01	
LNAPL	m	0.01	NR	NR	NR	NR	NR		NR	NR	NR	
DNAPL	m	0.01	NR	NR	NR	NR	NR		NR	NR	NR	
pH	pH units	0.01	6.57	6.15	6.53	7.06	6.55		6.48	8.10	8.00	
Temperature	°C	0.01	12.70	12.90	12.90	13.46	13.00		13.40	14.00	13.90	
Conductivity	µS/cm	0.01	348.00	405.00	386.00	906.00	365.00		382.00	537.00	530.00	
Dissolved Oxygen	%	0.01	4.10	22.20	18.20	2.37	NR		26.60	2.00	0.80	
ORP	mV	1	NR	NR	NR	NR	NR		NR	NR	NR	
Turbidity	ftu	0.01	NR	NR	NR	NR	NR		NR	NR	NR	
Volume of water purged	litres	0.01	7.00	4.00	7.00	6.50	7.00		NR	7.00	8.00	
Weather Conditions:												
Equipment Used (list): HANNA												
Equipment Last Calibrated (respective to list above):												
Comments												
Monitored By:												
Date:												
Form No. SI GWM		Revision No. 2.03		Issue Date 24/04/2008								

Project Name Durham Road, Newport.				Record Of In-Situ Water Monitoring				Hole ID			
Project No. F15285								BH602			
Engineer White, Young & Green.								Fig no.			
Client Vinci Plc.								02			
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			2.81								
Distance to monitoring point from datum mbgl							Monitoring Point ID				
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	10	11	12	13	14	15	16	17	18
Well volume			1.7	1.71	1.87		1.65	1.51	1.51	1.51	1.46
Date	dd/mm/yyyy	N/A	21/08/2008	28/08/2008	04/09/2008	10/09/2008	18/09/2008	25/09/1900	02/10/2008	09/10/2008	16/10/2008
Time of initial reading	hh:mm	N/A	14:00	NR	13:50		15:20	15:00	13:32	15:38	14:58
Water Level	m	0.01	1.95	1.94	1.86		1.97	2.04	2.04	2.04	2.07
LNAPL	m	0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
DNAPL	m	0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
pH	pH units	0.01	7.70	7.29	6.86		7.44	7.95	7.88	8.42	7.75
Temperature	°C	0.01	15.17	15.30	14.91		14.79	14.78	14.56	14.35	13.99
Conductivity	µS/cm	0.01	731.00	799.00	680.00		801.00	841.00	827.00	908.00	813.00
Dissolved Oxygen	%	0.01	1.80	0.62	0.00		0.50	3.00	3.00	0.00	0.00
ORP	mV	1	NR	NR	NR		NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR		NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	8.50	8.50	9.00		8.00	8.00	8.00	8.00	7.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respective to list above):											
Comments											
Installation depth changed to 2.71m.b.g.l. as of 16/10/08 due to debris at base of standpipe.											
Round 15 only 1 litre purged due to lack of time as courier was early.											
Monitored By: S Davies											
Date:											
Form No. SI GWM		Revision No. 2.03		Issue Date 24/04/2008							

[illegible]

[illegible]

[illegible]

Project Name Durham Road, Newport.				Record Of In-Situ Water Monitoring				Hole ID			
Project No. F15285								BH603			
Engineer White, Young & Green.								Fig no.			
Client Vinci Plc.								02			
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			3.48								
Distance to monitoring point from datum mbgl							Monitoring Point ID				
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	19	20	21	22	23	24	25	26	27
Well volume			1.46	1.65	1.64						
Date	dd/mm/yyyy	N/A	23/10/2008	30/10/2008	06/11/2008						
Time of initial reading	hh:mm	N/A	10:40	11:31	14:38						
Water Level	m	0.01	2.74	2.64	2.66						
LNAPL	m	0.01	<0.01	<0.01	<0.01						
DNAPL	m	0.01	<0.01	<0.01	<0.01						
pH	pH units	0.01	8.35	5.55	NR						
Temperature	°C	0.01	13.74	12.90	NR						
Conductivity	µS/cm	0.01	1392.00	342.00	NR						
Dissolved Oxygen	%	0.01	5.80	NR	NR						
ORP	mV	1	NR	NR	NR						
Turbidity	ftu	0.01	NR	NR	NR						
Volume of water purged	litres	0.01	6.00	7.00	6.50						
Weather Conditions:											
Equipment Used (list): HANNA(HI9145-Dissolved Oxygen, HI9835-Conductivity & HI991003-Temp ,PH).											
Equipment Last Calibrated (respective to list above):											
Comments											
Round 21 - Did not recharge in time (before courier). Left for longer on round 20.											
Monitored By: S Davies											
Date:											
Form No. SI GWM		Revision No. 2.03		Issue Date 24/04/2008							

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring				Hole ID	
Project No. F15285										BH604	
Engineer White, Young & Green. Client Vinci Plc.										Fig no. 01	
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			3.30								
Distance to monitoring point from datum mbgl								Monitoring Point ID			
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9
Well volume			2.37	2.34	2.28	2.37	2.36	NR	NR	2.3	2.6
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008
Time of initial reading	hh:mm	N/A	14:55	09:09	12:00	NR	10:38	NR	12:05	11:05	09:55
Water Level	m	0.01	2.09	2.11	2.14	2.09	2.10	2.83	2.15	2.10	1.98
LNAPl	m	0.01	NR	NR	NR	NR	NR		NR	NR	NR
DNAPL	m	0.01	NR	NR	NR	NR	NR		NR	NR	NR
pH	pH units	0.01	6.41	6.34	6.53	7.43	6.93		6.65	7.51	8.14
Temperature	°C	0.01	12.50	12.90	12.50	13.42	12.90		14.50	13.18	13.70
Conductivity	µS/cm	0.01	342.00	500.00	501.00	989.00	504.00		484.00	650.00	563.00
Dissolved Oxygen	%	0.01	34.20	53.00	34.90	1.56	NR		NR	25.00	18.60
ORP	mV	1	NR	NR	NR	NR	NR		NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR	NR	NR		NR	NR	NR
Volume of water purged	litres	0.01	2.50	2.50	2.50	2.50	4.00		NR	2.30	13.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respectve to list above):											
Comments											
Monitored By: SD											
Date: AS ABOVE											
Form No. SI GWM			Revision No. 2.03			Issue Date 24/04/2008					

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring				Hole ID	
Project No. F15285										BH604	
Engineer White, Young & Green.										Fig no.	
Client Vinci Plc.										02	
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			3.30								
Distance to monitoring point from datum mbgl							Monitoring Point ID				
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	10	11	12	13	14	15	16	17	18
Well volume			2.75	2.71	2.89		3.13	2.56	2.3	2.3	2.22
Date	dd/mm/yyyy	N/A	21/08/2008	28/08/2008	04/09/2008	10/09/2008	18/09/2008	25/09/2008	02/10/2008	09/10/2008	16/10/2008
Time of initial reading	hh:mm	N/A	11:04	NR	09:50		13:30	13:05	12:20	12:20	14:05
Water Level	m	0.01	1.90	1.92	1.83		1.71	2.00	2.13	2.13	2.17
LNAPL	m	0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
DNAPL	m	0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01
pH	pH units	0.01	7.90	6.94	7.67		8.05	7.95	NR	7.84	7.47
Temperature	°C	0.01	14.30	13.80	14.63		14.35	15.43	NR	14.19	14.24
Conductivity	µS/cm	0.01	685.00	829.00	369.00		690.00	741.00	NR	747.00	815.00
Dissolved Oxygen	%	0.01	21.50	0.14	22.10		27.70	20.30	NR	13.40	20.70
ORP	mV	1	NR	NR	NR		NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR		NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	14.00	13.50	14.50		15.50	13.00	2.30	2.30	2.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respectve to list above):											
Comments											
Monitored By:											
Date:											
Form No. SI GWM			Revision No. 2.03			Issue Date 24/04/2008					

[illegible]

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring				Hole ID BH604 A	
Project No. F15285											
Engineer White, Young & Green.										Fig no. 01	
Client Vinci Plc.											
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			13.61								
Distance to monitoring point from datum mbgl						Monitoring Point ID					
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9
Well volume			11.48	11.56	11.9	12.3	12	NR	NR	13.5	13.2
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008
Time of initial reading	hh:mm	N/A	15:05	09:18	11:50	NR	10:40	NR	12:35	11:00	10:30
Water Level	m	0.01	7.77	7.73	7.53	7.41	7.48	7.54	6.91	6.73	6.90
LNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
DNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
pH	pH units	0.01	6.57	6.64	6.92	7.95	7.15	8.39	6.68	8.30	8.50
Temperature	°C	0.01	13.00	13.10	14.30	14.57	13.00	13.71	14.90	12.70	12.64
Conductivity	µS/cm	0.01	1425.00	1347.00	1516.00	4529.00	965.00	1926.00	1446.00	1768.00	2349.00
Dissolved Oxygen	%	0.01	9.00	14.40	15.00	0.90	NR	3.20	NR	0.00	0.00
ORP	mV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	57.50	58.00	60.00	61.50	60.00	NR	NR	67.50	66.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respectve to list above):											
Comments											
Monitored By: SD											
Date: AS ABOVE											
Form No. SI GWM		Revision No. 2.03		Issue Date 24/04/2008							

[illegible]

[illegible]

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring				Hole ID	
Project No. F15285										BH605	
Engineer White, Young & Green.										Fig no.	
Client Vinci Plc.										01	
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			3.55								
Distance to monitoring point from datum mbgl							Monitoring Point ID				
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9
Well volume			NR	NR	0.51	0.33	2.95	NR	NR	2.7	3.15
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008
Time of initial reading	hh:mm	N/A	16:42	08:56	08:45	NR	11:10	NR	13:40	15:13	11:20
Water Level	m	0.01	DRY	3.50	3.29	1.88	2.05	3.48	2.81	2.18	1.95
LNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
DNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
pH	pH units	0.01				7.16	6.89				
Temperature	°C	0.01				14.22	13.20				
Conductivity	µS/cm	0.01				1500.00	460.00				
Dissolved Oxygen	%	0.01				0.00	NR				
ORP	mV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	0.00	0.00	0.50	4.50	2.00	0.00	NR	2.00	4.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respective to list above):											
Comments											
Monitored By: SD											
Date: AS ABOVE											
Form No. SI GWM		Revision No. 2.03		Issue Date 24/04/2008							

[illegible]

[illegible]

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring			Hole ID		
Project No. F15285									BH606		
Engineer White, Young & Green.									Fig no. 01		
Client Vinci Plc.											
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type				SP							
Depth to base of installation mbgl				2.80							
Distance to monitoring point from datum mbgl								Monitoring Point ID			
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9
Well volume			0.19	0.25	0.17	2.15	2.12			2	2.6
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008
Time of initial reading	hh:mm	N/A	17:00	08:49	09:00	NR	12:15	NR	14:35	10:25	12:15
Water Level	m	0.01	2.70	2.67	2.71	1.68	1.72	2.80	NR	1.78	1.48
LNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
DNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
pH	pH units	0.01				7.83					8.32
Temperature	°C	0.01				13.95					15.85
Conductivity	µS/cm	0.01				4382.00					352.00
Dissolved Oxygen	%	0.01				1.50					24.00
ORP	mV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	0.00	0.00	0.00	2.00	2.00	0.00	NR	2.00	13.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respectve to list above):											
Comments											
Monitored By:											
Date:											
Form No. SI GWM		Revision No. 2.03		Issue Date 24/04/2008							

[illegible]

[illegible]

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring			Hole ID		
Project No. F15285									BH606 A		
Engineer White, Young & Green.									Fig no.		
Client Vinci Plc.									01		
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type				SP							
Depth to base of installation mbgl				13.04							
Distance to monitoring point from datum mbgl								Monitoring Point ID			
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9
Well volume			15.65	15.47	15.5	13.65	15.4	NR	NR	15.8	16.03
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008
Time of initial reading	hh:mm	N/A	16:33	07:49	14:35	NR	12:16	NR	14:50	09:30	12:25
Water Level	m	0.01	5.08	5.17	5.15	5.10	5.16	5.18	5.12	5.00	4.89
LNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
DNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
pH	pH units	0.01	6.24	6.87	6.81	7.11	7.29	7.73	6.89	8.40	8.50
Temperature	°C	0.01	13.50	12.80	13.90	13.77	13.00	13.73	14.10	14.00	12.82
Conductivity	µS/cm	0.01	1766.00	4620.00	1589.00	3162.00	1475.00	836.00	1502.00	1638.00	1645.00
Dissolved Oxygen	%	0.01	11.00	16.40	11.60	0.36	NR	2.30	NR	5.00	0.00
ORP	mV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	78.00	77.50	77.50	68.00	77.50	NR	NR	79.00	80.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respective to list above):											
Comments											
Monitored By: SD											
Date: AS ABOVE											
Form No. SI GWM			Revision No. 2.03			Issue Date 24/04/2008					

[illegible]

[illegible]

[illegible]

[illegible]

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring						Hole ID	
Project No. F15285												BH607	
Engineer White, Young & Green.												Fig no.	
Client Vinci Plc.												02	
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring , GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded													
Well Type						SP							
Depth to base of installation mbgl						2.76							
Distance to monitoring point from datum mbgl										Monitoring Point ID			
Measured Parameter	Units	Detection Limit											
Monitoring round no.	N/A	N/A	19	20	21	22	23	24	25	26	27		
Well volume			0.65	2.22	2.03								
Date	dd/mm/yyyy	N/A	23/10/2008	30/10/2008	06/11/2008								
Time of initial reading	hh:mm	N/A	11:30	09:30	09:57								
Water Level	m	0.01	2.43	1.63	1.73								
LNAPL	m	0.01	<0.01	<0.01	<0.01								
DNAPL	m	0.01	<0.01	<0.01	<0.01								
pH	pH units	0.01	NR	6.43	5.85								
Temperature	°C	0.01	NR	12.10	10.70								
Conductivity	µS/cm	0.01	NR	252.60	270.00								
Dissolved Oxygen	%	0.01	NR	61.20	NR								
ORP	mV	1	NR	NR	NR								
Turbidity	ftu	0.01	NR	NR	NR								
Volume of water purged	litres	0.01	0.65	2.22	2.03								
Weather Conditions:													
Equipment Used (list): HANNA(HI9145-Dissolved Oxygen, HI9835-Conductivity & HI991003-Temp ,PH).													
Equipment Last Calibrated (respective to list above):													
Comments													
Monitored By:													
Date:													
Form No. SI GWM				Revision No. 2.03		Issue Date 24/04/2008							

Project Name Durham Road, Newport.				Record Of In-Situ Water Monitoring				Hole ID			
Project No. F15285								BH608			
Engineer White, Young & Green.								Fig no.			
Client Vinci Plc.								01			
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded											
Well Type			SP								
Depth to base of installation mbgl			2.95								
Distance to monitoring point from datum mbgl						Monitoring Point ID					
Measured Parameter	Units	Detection Limit									
Monitoring round no.	N/A	N/A	1	2	3	4	5	6	7	8	9
Well volume			2.7	2.7	2.65	2.74	2.75	NR	NR	2.7	2.95
Date	dd/mm/yyyy	N/A	23/06/2008	26/06/2008	03/07/2008	10/07/2008	17/07/2008	24/07/2008	31/07/2008	07/08/2008	14/08/2008
Time of initial reading	hh:mm	N/A	17:42	15:09	09:35	NR	10:39	NR	15:40	13:55	14:05
Water Level	m	0.01	1.58	1.58	1.60	1.54	1.55	1.85	0.62	1.58	1.45
LNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
DNAPL	m	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
pH	pH units	0.01	6.27	6.93	6.53	7.18	6.82	8.37	1.43	7.98	7.76
Temperature	°C	0.01	13.80	14.00	13.90	14.77	14.40	13.57	14.50	13.67	15.30
Conductivity	µS/cm	0.01	473.00	232.50	430.00	1088.00	410.00	1618.00	421.00	550.00	482.00
Dissolved Oxygen	%	0.01	63.60	42.10	37.60	1.76	NR	1.70	NR	0.00	7.00
ORP	mV	1	NR	NR	NR	NR	NR	NR	NR	NR	NR
Turbidity	ftu	0.01	NR	NR	NR	NR	NR	NR	NR	NR	NR
Volume of water purged	litres	0.01	6.00	6.00	13.00	14.00	14.00	NR	NR	13.50	15.00
Weather Conditions:											
Equipment Used (list): HANNA											
Equipment Last Calibrated (respective to list above):											
Comments											
Monitored By:											
Date:											
Form No. SI GWM			Revision No. 2.03			Issue Date 24/04/2008					

[illegible]

Project Name Durham Road, Newport.						Record Of In-Situ Water Monitoring							Hole ID BH608	
Project No. F15285													Fig no. 02	
Engineer White, Young & Green.														
Client Vinci Plc.														
Notes Type of Sampling Poin OB = Open Borehole, SP = Standpipe, SPIE = Piezometer, GMP = Gas monitoring , GWP = Groundwater monitoring point, SS = Surface Sample, NR = Not Recorded														
Well Type				SP										
Depth to base of installation mbgl				2.95										
Distance to monitoring point from datum mbgl									Monitoring Point ID					
Measured Parameter	Units	Detection Limit												
Monitoring round no.	N/A	N/A	19	20	21	22	23	24	25	26	27			
Well volume			2.5	2.58	2.54									
Date	dd/mm/yyyy	N/A	23/10/2008	30/10/2008	06/11/2008									
Time of initial reading	hh:mm	N/A	14:08	08:45	09:10									
Water Level	m	0.01	1.68	1.64	1.66									
LNAPL	m	0.01	<0.01	<0.01	<0.01									
DNAPL	m	0.01	<0.01	<0.01	<0.01									
pH	pH units	0.01	8.03	6.79	5.09									
Temperature	°C	0.01	13.84	11.60	12.70									
Conductivity	µS/cm	0.01	835.00	470.00	320.00									
Dissolved Oxygen	%	0.01	2.70	25.40	NR									
ORP	mV	1	NR	NR	NR									
Turbidity	ftu	0.01	NR	NR	NR									
Volume of water purged	litres	0.01	13.00	13.00	13.00									
Weather Conditions:														
Equipment Used (list): HANNA(HI9145-Dissolved Oxygen, HI9835-Conductivity & HI991003-Temp ,PH).														
Equipment Last Calibrated (respectve to list above):														
Comments														
Monitored By:														
Date:														
Form No. SI GWM			Revision No. 2.03			Issue Date 24/04/2008								



Client: **Norwest Holst Ltd - Soil Engineering Div**
Unit 4
28 Firth Road
Houstoun Industrial Estate
Livingston
West Lothian
EH54 5DJ

FAO: Mr C Wilkinson

Test Report Number: R08/1095

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	24/06/08
Reporting Date:	Monday 30 June 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 30 June 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 30 June 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	30/06/08
Phenols	HPLC-EC	R	0.5 ug/l	No	27/06/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	27/06/08
Naphthalene	GC-MS	R	0.02 ug/l	No	27/06/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	27/06/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	27/06/08
Fluorene	GC-MS	R	0.02 ug/l	No	27/06/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	27/06/08
Anthracene	GC-MS	R	0.02 ug/l	No	27/06/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	27/06/08
Pyrene	GC-MS	R	0.02 ug/l	No	27/06/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	27/06/08
Chrysene	GC-MS	R	0.01 ug/l	No	27/06/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	27/06/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	27/06/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	27/06/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	27/06/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	27/06/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	27/06/08
Arsenic	ICP-MS	R	0.2 ug/l	No	27/06/08
Cadmium	ICP-MS	R	0.01 ug/l	No	27/06/08
Chromium	ICP-MS	R	0.07 ug/l	No	27/06/08
Lead	ICP-MS	R	0.2 ug/l	No	27/06/08
Mercury	ICP-MS	R	0.02 ug/l	No	27/06/08
Nickel	ICP-MS	R	0.5 ug/l	No	27/06/08
Selenium	ICP-MS	R	5.0 ug/l	No	27/06/08
Benzene	HS-GC-MS	R	1 ug/l	No	27/06/08
Toluene	HS-GC-MS	R	1 ug/l	No	27/06/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	27/06/08
m+p-Xylene	HS-GC-MS	R	1 ug/l	No	27/06/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	27/06/08
TPH	GC-FID	R	0.05 mg/l	No	27/06/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	27/06/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	27/06/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	27/06/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	27/06/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	27/06/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	17/06/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	17/06/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	17/06/08
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	30/06/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	30/06/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 30 June 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	30/06/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	30/06/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	30/06/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	30/06/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	30/06/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 30 June 2008

Sample Location / Identification		SM1	SM2	SM3	BH604A	BH601
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		23/06/08	23/06/08	23/06/08	23/06/08	23/06/08
Receipt Date		24/06/08	24/06/08	24/06/08	24/06/08	24/06/08
EC&S Sample ID		S0806956	S0806957	S0806958	S0806959	S0806960
Matrix Type		Other Water	Other Water	Other Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	8.0	8.1	8.2	8.4	7.8
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	14.79	16.81	2.69	0.08	1.18
Naphthalene	ug/l	0.09	0.06	0.03	0.06	<0.06**
Acenaphthylene	ug/l	0.06	0.07	<0.02	<0.02	<0.06**
Acenaphthene	ug/l	0.33	0.30	0.11	<0.02	<0.06**
Fluorene	ug/l	0.27	0.22	0.09	<0.02	<0.06**
Phenanthrene	ug/l	1.09	1.28	0.26	0.02	0.09
Anthracene	ug/l	0.21	0.22	0.06	<0.02	<0.06**
Fluoranthene	ug/l	2.09	2.44	0.43	<0.02	0.15
Pyrene	ug/l	1.61	1.85	0.31	<0.02	0.15
Benzo(a)anthracene	ug/l	0.94	1.19	0.16	<0.01	0.09
Chrysene	ug/l	1.48	1.79	0.25	<0.01	0.12
Benzo(b)+(j)fluoranthene	ug/l	2.12	2.37	0.31	<0.01	0.18
Benzo(k)fluoranthene	ug/l	0.70	0.76	0.09	<0.01	0.09
Benzo(a)pyrene	ug/l	1.18	1.39	0.20	<0.01	0.15
Indeno(1,2,3-cd)pyrene	ug/l	1.03	1.27	0.14	<0.01	0.09
Dibenz(a,h)anthracene	ug/l	0.48	0.44	0.08	<0.01	<0.03**
Benzo(g,h,i)perylene	ug/l	1.12	1.18	0.18	<0.01	0.09
Arsenic	ug/l	<2.0*	<2.0*	<2.0*	41.9 ^U	<2.0* ^U
Cadmium	ug/l	<0.1*	0.19	<0.1*	0.19 ^U	0.19 ^U
Chromium	ug/l	<0.7*	<0.7*	<0.7*	15.24 ^U	<0.7* ^U
Lead	ug/l	<2.0*	<2.0*	<2.0*	<2.0* ^U	11.5 ^U
Mercury	ug/l	0.27	<0.2*	<0.2*	<0.2* ^U	<0.2* ^U
Nickel	ug/l	<5.0*	<5.0*	<5.0*	6.8 ^U	9.3 ^U
Selenium	ug/l	<5.0*	<5.0*	<5.0*	<5.0* ^U	<5.0* ^U
Benzene	ug/l	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<1	<1	<1	<1	<1
o-Xylene	ug/l	<1	<1	<1	<1	<1
TPH	mg/l	0.19	0.11	<0.05	<0.05	<0.15**
TPH EC10-EC12	mg/l	<0.03**	<0.01	<0.01	<0.01	<0.03**
TPH EC12-EC16	mg/l	<0.03**	<0.01	<0.01	<0.01	<0.03**



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 30 June 2008

Sample Location / Identification		SM1	SM2	SM3	BH604A	BH601
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		23/06/08	23/06/08	23/06/08	23/06/08	23/06/08
Receipt Date		24/06/08	24/06/08	24/06/08	24/06/08	24/06/08
EC&S Sample ID		S0806956	S0806957	S0806958	S0806959	S0806960
Matrix Type		Other Water	Other Water	Other Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	0.03	0.01	<0.01	<0.01	<0.03**
TPH EC21-EC35	mg/l	0.15	0.08	<0.05	<0.05	<0.15**
TPH EC35-EC40	mg/l	<0.15**	<0.05	<0.05	<0.05	<0.15**
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 30 June 2008

Sample Location / Identification		BH602	BH608	BH603	BH604	BH606A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		23/06/08	23/06/08	23/06/08	23/06/08	23/06/08
Receipt Date		24/06/08	24/06/08	24/06/08	24/06/08	24/06/08
EC&S Sample ID		S0806961	S0806962	S0806963	S0806964	S0806965
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.6	7.6	7.8	7.5	8.0
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.28	0.61	0.17	0.21	<0.08
Naphthalene	ug/l	<0.02	0.15	0.02	<0.06**	<0.08**
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.06**	<0.08**
Acenaphthene	ug/l	<0.02	0.31	<0.02	<0.06**	<0.08**
Fluorene	ug/l	<0.02	0.07	<0.02	<0.06**	<0.08**
Phenanthrene	ug/l	0.02	0.03	0.02	0.06	<0.08**
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.06**	<0.08**
Fluoranthene	ug/l	0.04	0.03	<0.02	0.06	<0.08**
Pyrene	ug/l	0.03	0.02	<0.02	0.06	<0.08**
Benzo(a)anthracene	ug/l	0.03	<0.01	0.02	<0.03**	<0.04**
Chrysene	ug/l	0.03	<0.01	0.02	<0.03**	<0.04**
Benzo(b)+(j)fluoranthene	ug/l	0.04	<0.01	0.02	<0.03**	<0.04**
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.03**	<0.04**
Benzo(a)pyrene	ug/l	0.04	<0.01	0.02	<0.03**	<0.04**
Indeno(1,2,3-cd)pyrene	ug/l	0.03	<0.01	0.02	<0.03**	<0.04**
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.03**	<0.04**
Benzo(g,h,i)perylene	ug/l	0.04	<0.01	0.04	<0.03**	<0.04**
Arsenic	ug/l	4.2 ^U	7.6 ^U	3.8 ^U	<2.0* ^U	19.8 ^U
Cadmium	ug/l	0.26 ^U	<0.1* ^U	0.18 ^U	0.33 ^U	0.37 ^U
Chromium	ug/l	1.00 ^U	1.81 ^U	1.17 ^U	<0.7* ^U	19.58 ^U
Lead	ug/l	13.5 ^U	<2.0* ^U	<2.0* ^U	<2.0* ^U	<2.0* ^U
Mercury	ug/l	<0.2* ^U	<0.2* ^U	<0.2* ^U	<0.2* ^U	<0.2* ^U
Nickel	ug/l	11.2 ^U	11.9 ^U	13.5 ^U	145.7 ^U	<5.0* ^U
Selenium	ug/l	<5.0* ^U	<5.0* ^U	<5.0* ^U	<5.0* ^U	<5.0* ^U
Benzene	ug/l	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<1	<1	<1	<1	<1
o-Xylene	ug/l	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05	<0.15**	<0.20**
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.03**	<0.04**
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.03**	<0.04**



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 30 June 2008

Sample Location / Identification		BH602	BH608	BH603	BH604	BH606A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		23/06/08	23/06/08	23/06/08	23/06/08	23/06/08
Receipt Date		24/06/08	24/06/08	24/06/08	24/06/08	24/06/08
ECoS Sample ID		S0806961	S0806962	S0806963	S0806964	S0806965
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.03**	<0.04**
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.15**	<0.20**
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.15**	<0.20**
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Monday 30 June 2008

Notes and Preservation Details

Note * LOD raised due to dilution of sample prior to analysis

** LOD raised as insufficient sample to carry out analysis at require detection limit

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1115

Client Project Name:	Durham Rd, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	27/06/08
Reporting Date:	Tuesday 8 July 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 8 July 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 8 July 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	04/07/08
Phenols	HPLC-EC	R	0.5 ug/l	No	01/07/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	04/07/08
Naphthalene	GC-MS	R	0.02 ug/l	No	04/07/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	04/07/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	04/07/08
Fluorene	GC-MS	R	0.02 ug/l	No	04/07/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	04/07/08
Anthracene	GC-MS	R	0.02 ug/l	No	04/07/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	04/07/08
Pyrene	GC-MS	R	0.02 ug/l	No	04/07/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	04/07/08
Chrysene	GC-MS	R	0.01 ug/l	No	04/07/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	04/07/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	04/07/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	04/07/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	04/07/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	04/07/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	04/07/08
Arsenic	ICP-MS	R	0.2 ug/l	No	04/07/08
Cadmium	ICP-MS	R	0.01 ug/l	No	04/07/08
Chromium	ICP-MS	R	0.07 ug/l	No	04/07/08
Lead	ICP-MS	R	0.2 ug/l	No	04/07/08
Mercury	ICP-MS	R	0.02 ug/l	No	04/07/08
Nickel	ICP-MS	R	0.5 ug/l	No	04/07/08
Selenium	ICP-MS	R	0.5 ug/l	No	04/07/08
Benzene	HS-GC-FID	R	0.01 mg/l	No	03/07/08
Toluene	HS-GC-FID	R	0.01 mg/l	No	03/07/08
Ethylbenzene	HS-GC-FID	R	0.01 mg/l	No	03/07/08
m+p-Xylene	HS-GC-FID	R	0.01 mg/l	No	03/07/08
o-Xylene	HS-GC-FID	R	0.01 mg/l	No	03/07/08
TPH	GC-FID	R	0.05 mg/l	No	03/07/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	03/07/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	03/07/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	03/07/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	03/07/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	03/07/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	03/07/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	03/07/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	03/07/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	04/07/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	04/07/08



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 8 July 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	04/07/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	04/07/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	04/07/08
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	04/07/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	04/07/08



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 8 July 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		27/06/08	27/06/08	27/06/08	27/06/08	27/06/08
EC&S Sample ID		S0807092	S0807093	S0807094	S0807095	S0807096
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.8	7.9	8.3	8.0	8.6
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.28	0.02	0.84	0.35	0.09
Naphthalene	ug/l	0.02	<0.02	<0.02	0.03	0.06
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	0.05	<0.02	<0.02
Phenanthrene	ug/l	0.04	0.02	0.02	0.03	0.03
Anthracene	ug/l	<0.02	<0.02	0.06	<0.02	<0.02
Fluoranthene	ug/l	0.04	<0.02	0.05	0.04	<0.02
Pyrene	ug/l	0.03	<0.02	0.06	0.04	<0.02
Benzo(a)anthracene	ug/l	0.02	<0.01	0.09	0.03	<0.01
Chrysene	ug/l	0.02	<0.01	0.16	0.03	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.04	<0.01	0.05	0.06	<0.01
Benzo(k)fluoranthene	ug/l	0.01	<0.01	0.08	0.02	<0.01
Benzo(a)pyrene	ug/l	0.03	<0.01	0.07	0.03	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.02	<0.01	0.05	0.03	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	0.11	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.02	<0.01	<0.01	0.03	<0.01
Arsenic	ug/l	1.3 ^U	5.5 ^U	2.6 ^U	0.7 ^U	15.7 ^U
Cadmium	ug/l	0.31 ^U	0.02 ^U	0.26 ^U	0.33 ^U	0.08 ^U
Chromium	ug/l	1.79 ^U	2.18 ^U	1.76 ^U	2.55 ^U	11.18 ^U
Lead	ug/l	1.9 ^U	1.1 ^U	0.6 ^U	0.3 ^U	1.8 ^U
Mercury	ug/l	0.04 ^U	0.04 ^U	0.03 ^U	0.04 ^U	0.07 ^U
Nickel	ug/l	9.5 ^U	12.5 ^U	10.4 ^U	34.0 ^U	5.4 ^U
Selenium	ug/l	1.8 ^U	0.7 ^U	3.4 ^U	1.7 ^U	5.2 ^U
Benzene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Toluene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Ethylbenzene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
m+p-Xylene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
o-Xylene	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 8 July 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		27/06/08	27/06/08	27/06/08	27/06/08	27/06/08
EC&S Sample ID		S0807092	S0807093	S0807094	S0807095	S0807096
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 8 July 2008

Sample Location / Identification		BH606A	BH608	TP912
Top Depth / m				2.30
Bottom Depth / m				2.40
Sample No.				
Sample Type				
Date Sampled				
Receipt Date		27/06/08	27/06/08	27/06/08
EC&S Sample ID		S0807097	S0807098	S0807099
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
pH	N/A	8.4	7.9	8.1
Phenols	ug/l	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.04	1.66	3.88
Naphthalene	ug/l	0.02	0.04	0.02
Acenaphthylene	ug/l	<0.02	<0.02	0.05
Acenaphthene	ug/l	<0.02	0.19	<0.02
Fluorene	ug/l	<0.02	0.05	<0.02
Phenanthrene	ug/l	0.02	0.09	0.15
Anthracene	ug/l	<0.02	0.03	0.08
Fluoranthene	ug/l	<0.02	0.19	0.40
Pyrene	ug/l	<0.02	0.16	0.35
Benzo(a)anthracene	ug/l	<0.01	0.13	0.32
Chrysene	ug/l	<0.01	0.14	0.34
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.24	0.66
Benzo(k)fluoranthene	ug/l	<0.01	0.08	0.25
Benzo(a)pyrene	ug/l	<0.01	0.13	0.41
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	0.08	0.36
Dibenz(a,h)anthracene	ug/l	<0.01	0.03	0.10
Benzo(g,h,i)perylene	ug/l	<0.01	0.10	0.40
Arsenic	ug/l	8.7 ^U	2.1 ^U	5.5 ^U
Cadmium	ug/l	0.22 ^U	0.01 ^U	0.28 ^U
Chromium	ug/l	12.92 ^U	2.91 ^U	2.51 ^U
Lead	ug/l	0.3 ^U	<0.2 ^U	3.3 ^U
Mercury	ug/l	0.03 ^U	0.03 ^U	0.02 ^U
Nickel	ug/l	3.0 ^U	4.0 ^U	5.9 ^U
Selenium	ug/l	10.6 ^U	0.5 ^U	4.4 ^U
Benzene	mg/l	<0.01	<0.01	<0.01
Toluene	mg/l	<0.01	<0.01	<0.01
Ethylbenzene	mg/l	<0.01	<0.01	<0.01
m+p-Xylene	mg/l	<0.01	<0.01	<0.01
o-Xylene	mg/l	<0.01	<0.01	<0.01
TPH	mg/l	<0.05	0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 8 July 2008

Sample Location / Identification		BH606A	BH608	TP912
Top Depth / m				2.30
Bottom Depth / m				2.40
Sample No.				
Sample Type				
Date Sampled				
Receipt Date		27/06/08	27/06/08	27/06/08
EC&S Sample ID		S0807097	S0807098	S0807099
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
TPH EC16-EC21	mg/l	<0.01	0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	ug/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	ug/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	ug/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	ug/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	ug/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	ug/l	<0.005	<0.005	<0.005



Client Project Name: Durham Rd, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Tuesday 8 July 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1172

Client Project Name:	Durham Road
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	04/07/08
Reporting Date:	Thursday 17 July 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 17 July 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of EC&S Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Road

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 17 July 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	11/07/08
Phenols	HPLC-EC	R	0.5 ug/l	No	10/07/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	10/07/08
Naphthalene	GC-MS	R	0.02 ug/l	No	10/07/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	10/07/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	10/07/08
Fluorene	GC-MS	R	0.02 ug/l	No	10/07/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	10/07/08
Anthracene	GC-MS	R	0.02 ug/l	No	10/07/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	10/07/08
Pyrene	GC-MS	R	0.02 ug/l	No	10/07/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	10/07/08
Chrysene	GC-MS	R	0.01 ug/l	No	10/07/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	10/07/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	10/07/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	10/07/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	10/07/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	10/07/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	10/07/08
Arsenic	ICP-MS	R	0.2 ug/l	No	10/07/08
Cadmium	ICP-MS	R	0.01 ug/l	No	10/07/08
Chromium	ICP-MS	R	0.07 ug/l	No	11/07/08
Lead	ICP-MS	R	0.2 ug/l	No	11/07/08
Mercury	ICP-MS	R	0.02 ug/l	No	10/07/08
Nickel	ICP-MS	R	0.5 ug/l	No	10/07/08
Selenium	ICP-MS	R	0.5 ug/l	No	10/07/08
Benzene	HS-GC-MS	R	1 ug/l	No	11/07/08
Toluene	HS-GC-MS	R	1 ug/l	No	11/07/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	11/07/08
m+p-Xylene	HS-GC-MS	R	1 ug/l	No	11/07/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	11/07/08
TPH	GC-FID	R	0.05 mg/l	No	10/07/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	10/07/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	10/07/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	10/07/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	10/07/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	10/07/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	10/07/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	10/07/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	10/07/08
TPH	GC-FID	R	0.4 mg/l	No	10/07/08
PAH (sum of PAH 17)	GC-MS	R	0.01 mg/l	No	10/07/08



Client Project Name: Durham Road

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 17 July 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Naphthalene	GC-MS	R	0.01 mg/l	No	10/07/08
Acenaphthylene	GC-MS	R	0.01 mg/l	No	10/07/08
Acenaphthene	GC-MS	R	0.01 mg/l	No	10/07/08
Fluorene	GC-MS	R	0.01 mg/l	No	10/07/08
Phenanthrene	GC-MS	R	0.01 mg/l	No	10/07/08
Anthracene	GC-MS	R	0.01 mg/l	No	10/07/08
Fluoranthene	GC-MS	R	0.01 mg/l	No	10/07/08
Pyrene	GC-MS	R	0.01 mg/l	No	10/07/08
Benzo(a)anthracene	GC-MS	R	0.01 mg/l	No	10/07/08
Chrysene	GC-MS	R	0.01 mg/l	No	10/07/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 mg/l	No	10/07/08
Benzo(k)fluoranthene	GC-MS	R	0.01 mg/l	No	10/07/08
Benzo(a)pyrene	GC-MS	R	0.01 mg/l	No	10/07/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 mg/l	No	10/07/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 mg/l	No	10/07/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 mg/l	No	10/07/08
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	11/07/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	11/07/08
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	11/07/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	11/07/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	11/07/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	11/07/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	11/07/08



Client Project Name: Durham Road

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 17 July 2008

Sample Location / Identification		BH606A	BH607	BH608	BH601	BH602
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		04/07/08	04/07/08	04/07/08	04/07/08	04/07/08
EC&S Sample ID		S0807434	S0807435	S0807436	S0807437	S0807438
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	8.5	7.7	7.5	7.7	7.7
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	<0.01	1.09	<0.02	<0.02
Naphthalene	ug/l	<0.02	<0.01	0.16	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.01	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.01	0.46	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.01	0.11	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.01	0.04	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.01	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.01	0.07	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.01	0.06	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	0.03	<0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	0.03	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	0.05	0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	0.02	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	0.03	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	0.02	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	0.02	<0.01	<0.01
Arsenic	ug/l	15.1 ^U	2.7 ^U	2.7 ^U	1.3	3.4 ^U
Cadmium	ug/l	0.11 ^U	0.19 ^U	0.01 ^U	0.36	0.52 ^U
Chromium	ug/l	9.52 ^U	1.31 ^U	0.77 ^U	0.36	1.40 ^U
Lead	ug/l	<0.2 ^U	0.4 ^U	0.9 ^U	4.7	18.4 ^U
Mercury	ug/l	0.05 ^U	0.03 ^U	<0.02 ^U	<0.02	<0.02 ^U
Nickel	ug/l	1.3 ^U	2.7 ^U	7.0 ^U	10.3	13.4 ^U
Selenium	ug/l	13.6 ^U	1.6 ^U	0.9 ^U	2.3	<0.5 ^U
Benzene	ug/l	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<1	<1	<1	<1	<1
o-Xylene	ug/l	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 17 July 2008

Sample Location / Identification		BH606A	BH607	BH608	BH601	BH602
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		04/07/08	04/07/08	04/07/08	04/07/08	04/07/08
EC&S Sample ID		S0807434	S0807435	S0807436	S0807437	S0807438
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
PAH (sum of PAH 17)	mg/l	#	<0.01	#	#	#
Naphthalene	mg/l	#	<0.01	#	#	#
Acenaphthylene	mg/l	#	<0.01	#	#	#
Acenaphthene	mg/l	#	<0.01	#	#	#
Fluorene	mg/l	#	<0.01	#	#	#
Phenanthrene	mg/l	#	<0.01	#	#	#
Anthracene	mg/l	#	<0.01	#	#	#
Fluoranthene	mg/l	#	<0.01	#	#	#
Pyrene	mg/l	#	<0.01	#	#	#
Benzo(a)anthracene	mg/l	#	<0.01	#	#	#
Chrysene	mg/l	#	<0.01	#	#	#
Benzo(b)+(j)fluoranthene	mg/l	#	<0.01	#	#	#
Benzo(k)fluoranthene	mg/l	#	<0.01	#	#	#
Benzo(a)pyrene	mg/l	#	<0.01	#	#	#
Indeno(1,2,3-cd)pyrene	mg/l	#	<0.01	#	#	#
Dibenz(a,h)anthracene	mg/l	#	<0.01	#	#	#
Benzo(g,h,i)perylene	mg/l	#	<0.01	#	#	#
TPH	mg/l	#	<0.4	#	#	#
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client Project Name: Durham Road

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 17 July 2008

Sample Location / Identification		BH603	BH604	BH604A
Top Depth / m				
Bottom Depth / m				
Sample No.				
Sample Type				
Date Sampled				
Receipt Date		04/07/08	04/07/08	04/07/08
EC&S Sample ID		S0807439	S0807440	S0807441
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
pH	N/A	7.8	7.5	7.9
Phenols	ug/l	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	0.05	0.02
Naphthalene	ug/l	<0.02	0.03	0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01
Arsenic	ug/l	3.6 ^U	1.1 ^U	53.2 ^U
Cadmium	ug/l	0.27 ^U	0.36 ^U	0.04 ^U
Chromium	ug/l	0.79 ^U	0.58 ^U	9.81 ^U
Lead	ug/l	1.0 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	14.0 ^U	26.3 ^U	1.3 ^U
Selenium	ug/l	1.1 ^U	1.9 ^U	12.6 ^U
Benzene	ug/l	<1	<1	<1
Toluene	ug/l	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1
m+p-Xylene	ug/l	<1	<1	<1
o-Xylene	ug/l	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01



Client Project Name: Durham Road

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 17 July 2008

Sample Location / Identification		BH603	BH604	BH604A
Top Depth / m				
Bottom Depth / m				
Sample No.				
Sample Type				
Date Sampled				
Receipt Date		04/07/08	04/07/08	04/07/08
EC&S Sample ID		S0807439	S0807440	S0807441
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005



Client Project Name: Durham Road
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Thursday 17 July 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1266

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	18/07/08
Reporting Date:	Thursday 31 July 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 31 July 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of EC&S Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 31 July 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	25/07/08
Phenols	HPLC-EC	R	0.5 ug/l	No	25/07/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	25/07/08
Naphthalene	GC-MS	R	0.02 ug/l	No	28/07/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	25/07/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	25/07/08
Fluorene	GC-MS	R	0.02 ug/l	No	25/07/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	25/07/08
Anthracene	GC-MS	R	0.02 ug/l	No	25/07/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	25/07/08
Pyrene	GC-MS	R	0.02 ug/l	No	25/07/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	25/07/08
Chrysene	GC-MS	R	0.01 ug/l	No	25/07/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	25/07/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	25/07/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	25/07/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	25/07/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	25/07/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	25/07/08
Arsenic	ICP-MS	R	0.2 ug/l	No	24/07/08
Cadmium	ICP-MS	R	0.01 ug/l	No	24/07/08
Chromium	ICP-MS	R	0.07 ug/l	No	24/07/08
Lead	ICP-MS	R	0.2 ug/l	No	24/07/08
Mercury	ICP-MS	R	0.02 ug/l	No	24/07/08
Nickel	ICP-MS	R	0.5 ug/l	No	24/07/08
Selenium	ICP-MS	R	0.5 ug/l	No	24/07/08
Benzene	HS-GC-MS	R	1 ug/l	No	25/07/08
Toluene	HS-GC-MS	R	1 ug/l	No	25/07/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	25/07/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	25/07/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	25/07/08
TPH	GC-FID	R	0.05 mg/l	No	25/07/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	23/07/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	23/07/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	23/07/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	25/07/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	25/07/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	25/07/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	25/07/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	25/07/08
Polychlorinated biphenyl BZ#28	GC/MS (HR)	R	0.005 ug/l	Yes	29/07/08
Polychlorinated biphenyl BZ#52	GC/MS (HR)	R	0.005 ug/l	Yes	29/07/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 31 July 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC/MS (HR)	R	0.005 ug/l	Yes	29/07/08
Polychlorinated biphenyl BZ#118	GC/MS (HR)	R	0.005 ug/l	Yes	29/07/08
Polychlorinated biphenyl BZ#153	GC/MS (HR)	R	0.005 ug/l	Yes	29/07/08
Polychlorinated biphenyl BZ#138	GC/MS (HR)	R	0.005 ug/l	Yes	29/07/08
Polychlorinated biphenyl BZ#180	GC/MS (HR)	R	0.005 ug/l	Yes	29/07/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 31 July 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		17/07/08	17/07/08	17/07/08	17/07/08	
Receipt Date		18/07/08	18/07/08	18/07/08	18/07/08	18/07/08
EC&S Sample ID		S0807987	S0807988	S0807989	S0807990	S0807991
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.4	7.2	7.2	7.3	7.9
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.03	0.02	<0.02	<0.02	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.01	0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	0.01	0.01	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	0.9 ^U	2.1 ^U	2.8 ^U	0.2 ^U	26.1 ^U
Cadmium	ug/l	0.30 ^U	0.06 ^U	0.22 ^U	0.25 ^U	0.02 ^U
Chromium	ug/l	0.97 ^U	1.39 ^U	0.49 ^U	1.81 ^U	11.82 ^U
Lead	ug/l	2.6 ^U	3.7 ^U	0.3 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	0.03 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	0.02 ^U
Nickel	ug/l	10.1 ^U	7.8 ^U	9.2 ^U	15.1 ^U	0.7 ^U
Selenium	ug/l	1.8 ^U	<0.5 ^U	3.1 ^U	0.7 ^U	8.0 ^U
Benzene	ug/l	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1
TPH	mg/l	<0.10	<0.10	<0.10	<0.10	<0.10
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 31 July 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		17/07/08	17/07/08	17/07/08	17/07/08	
Receipt Date		18/07/08	18/07/08	18/07/08	18/07/08	18/07/08
EC&S Sample ID		S0807987	S0807988	S0807989	S0807990	S0807991
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC10-EC12	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02
TPH EC12-EC16	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02
TPH EC16-EC21	mg/l	<0.02	<0.02	<0.02	<0.02	<0.02
TPH EC21-EC35	mg/l	<0.10	<0.10	<0.10	<0.10	<0.10
TPH EC35-EC40	mg/l	<0.10	<0.10	<0.10	<0.10	<0.10
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 31 July 2008

Sample Location / Identification		BH605	BH606A	BH607	BH608	GW101
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		17/07/08	17/07/08	17/07/08	17/07/08	17/07/08
Receipt Date		18/07/08	18/07/08	18/07/08	18/07/08	18/07/08
EC&S Sample ID		S0807992	S0807993	S0807994	S0807995	S0807996
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.5	7.6	7.6	7.2	7.6
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.05	<0.02	<0.02	0.66	69.40
Naphthalene	ug/l	0.05	<0.02	<0.02	0.06	<5.00
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<5.00
Acenaphthene	ug/l	<0.02	<0.02	<0.02	0.33	<5.00
Fluorene	ug/l	<0.02	<0.02	<0.02	0.06	<5.00
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	12.10
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<10.0
Fluoranthene	ug/l	<0.02	<0.02	<0.02	0.04	13.25
Pyrene	ug/l	<0.02	<0.02	<0.02	0.03	17.93
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	0.03	3.45
Chrysene	ug/l	<0.01	<0.01	<0.01	0.02	5.83
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.03	4.80
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	1.65
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	0.02	4.05
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	0.01	3.35
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.25
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	0.02	3.00
Arsenic	ug/l	1.4 ^U	7.3 ^U	6.8 ^U	1.5 ^U	3.6 ^U
Cadmium	ug/l	0.47 ^U	0.04 ^U	0.03 ^U	<0.01 ^U	0.03 ^U
Chromium	ug/l	1.39 ^U	12.81 ^U	13.18 ^U	2.59 ^U	1.95 ^U
Lead	ug/l	<0.2 ^U	0.4 ^U	0.6 ^U	0.3 ^U	2.5 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	31.3 ^U	1.7 ^U	1.8 ^U	5.9 ^U	5.2 ^U
Selenium	ug/l	1.6 ^U	10.1 ^U	10.2 ^U	0.6 ^U	1.6 ^U
Benzene	ug/l	<1	<1	<1	<1	65
Toluene	ug/l	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	3
m+p-Xylene	ug/l	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1
TPH	mg/l	<0.10	<0.10	<0.10	<0.10	79.78
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	0.08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 31 July 2008

Sample Location / Identification		BH605	BH606A	BH607	BH608	GW101
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		17/07/08	17/07/08	17/07/08	17/07/08	17/07/08
Receipt Date		18/07/08	18/07/08	18/07/08	18/07/08	18/07/08
EC&S Sample ID		S0807992	S0807993	S0807994	S0807995	S0807996
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	0.20
TPH EC10-EC12	mg/l	<0.02	<0.02	<0.02	<0.02	3.21
TPH EC12-EC16	mg/l	<0.02	<0.02	<0.02	<0.02	25.46
TPH EC16-EC21	mg/l	<0.02	<0.02	<0.02	<0.02	26.94
TPH EC21-EC35	mg/l	<0.10	<0.10	<0.10	<0.10	19.48
TPH EC35-EC40	mg/l	<0.10	<0.10	<0.10	<0.10	4.68
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	0.07
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	0.27
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	0.25
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	0.11
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	0.11
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	0.13
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	0.05



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Thursday 31 July 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1316

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	25/07/08
Reporting Date:	Thursday 14 August 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 14 August 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^u are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

P = Piston sample

C = Core Sample

U = Undisturbed sample - open drive

D = Small disturbed sample

W = Water Sample

ES = Environmental Soil Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 14 August 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	06/08/08
Phenols	HPLC-EC	R	0.5 ug/l	No	07/08/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	13/08/08
Naphthalene	GC-MS	R	0.02 ug/l	No	13/08/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	13/08/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	13/08/08
Fluorene	GC-MS	R	0.02 ug/l	No	13/08/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	13/08/08
Anthracene	GC-MS	R	0.02 ug/l	No	13/08/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	13/08/08
Pyrene	GC-MS	R	0.02 ug/l	No	13/08/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	13/08/08
Chrysene	GC-MS	R	0.01 ug/l	No	13/08/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	13/08/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	13/08/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	13/08/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	13/08/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	13/08/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	13/08/08
Arsenic	ICP-MS	R	0.2 ug/l	No	07/08/08
Cadmium	ICP-MS	R	0.01 ug/l	No	07/08/08
Chromium	ICP-MS	R	0.07 ug/l	No	07/08/08
Lead	ICP-MS	R	0.2 ug/l	No	07/08/08
Mercury	ICP-MS	R	0.02 ug/l	No	07/08/08
Nickel	ICP-MS	R	0.5 ug/l	No	07/08/08
Selenium	ICP-MS	R	0.5 ug/l	No	07/08/08
Benzene	HS-GC-MS	R	1 ug/l	No	07/08/08
Toluene	HS-GC-MS	R	1 ug/l	No	07/08/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	07/08/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	07/08/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	07/08/08
TPH	GC-FID	R	0.05 mg/l	No	13/08/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	13/08/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	13/08/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	13/08/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	13/08/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	13/08/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	07/08/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	07/08/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	07/08/08
Polychlorinated biphenyl BZ#101	GC-MS (HR)	R	0.005 ug/l	Yes	05/08/08
Polychlorinated biphenyl BZ#118	GC-MS (HR)	R	0.005 ug/l	Yes	05/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 14 August 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#138	GC-MS (HR)	R	0.005 ug/l	Yes	05/08/08
Polychlorinated biphenyl BZ#153	GC-MS (HR)	R	0.005 ug/l	Yes	05/08/08
Polychlorinated biphenyl BZ#180	GC-MS (HR)	R	0.005 ug/l	Yes	05/08/08
Polychlorinated biphenyl BZ#28	GC-MS (HR)	R	0.005 ug/l	Yes	05/08/08
Polychlorinated biphenyl BZ#52	GC-MS (HR)	R	0.005 ug/l	Yes	05/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 14 August 2008

Sample Location / Identification		BH603	BH608	BH604	BH606A	BH604A
Top Depth / m		2.21	1.85	2.38	5.18	7.50
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		24/07/08	24/07/08	24/07/08	24/07/08	24/07/08
Receipt Date		25/07/08	25/07/08	25/07/08	25/07/08	25/07/08
EC&S Sample ID		S0808331	S0808332	S0808333	S0808334	S0808335
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	6.7	6.9	6.8	7.3	7.6
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.64	1.22	0.16	0.05	0.04
Naphthalene	ug/l	<0.02	0.10	<0.02	<0.02	0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	0.38	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	0.06	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.05	0.10	0.04	<0.02	<0.02
Pyrene	ug/l	0.04	0.09	0.03	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.06	0.07	0.02	<0.01	<0.01
Chrysene	ug/l	0.08	0.07	0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.11	0.10	0.02	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	0.05	0.03	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.07	0.07	0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.05	0.05	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.08	0.06	0.01	<0.01	<0.01
Arsenic	ug/l	3.3 ^U	1.5 ^U	0.4 ^U	9.9 ^U	23.2 ^U
Cadmium	ug/l	0.25 ^U	<0.01 ^U	0.41 ^U	0.05 ^U	0.03 ^U
Chromium	ug/l	2.58 ^U	<0.7* ^U	<0.7* ^U	3.90 ^U	6.20 ^U
Lead	ug/l	0.3 ^U	<0.2 ^U	0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	0.03 ^U	0.07 ^U
Nickel	ug/l	14.1 ^U	6.0 ^U	33.6 ^U	3.4 ^U	1.4 ^U
Selenium	ug/l	3.6 ^U	0.8 ^U	1.5 ^U	0.9 ^U	0.7 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 14 August 2008

Sample Location / Identification		BH603	BH608	BH604	BH606A	BH604A
Top Depth / m		2.21	1.85	2.38	5.18	7.50
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		24/07/08	24/07/08	24/07/08	24/07/08	24/07/08
Receipt Date		25/07/08	25/07/08	25/07/08	25/07/08	25/07/08
EC&S Sample ID		S0808331	S0808332	S0808333	S0808334	S0808335
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 14 August 2008

Sample Location / Identification		Bowser
Top Depth / m		
Bottom Depth / m		
Sample No.		
Sample Type		
Date Sampled		24/07/08
Receipt Date		25/07/08
EC&S Sample ID		S0808336
Matrix Type		Other Water
Determinand	Units	
pH	N/A	8.3
Phenols	ug/l	<0.5
PAH (sum of PAH 17)	ug/l	<0.02
Naphthalene	ug/l	<0.02
Acenaphthylene	ug/l	<0.02
Acenaphthene	ug/l	<0.02
Fluorene	ug/l	<0.02
Phenanthrene	ug/l	<0.02
Anthracene	ug/l	<0.02
Fluoranthene	ug/l	<0.02
Pyrene	ug/l	<0.02
Benzo(a)anthracene	ug/l	<0.01
Chrysene	ug/l	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01
Benzo(k)fluoranthene	ug/l	<0.01
Benzo(a)pyrene	ug/l	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01
Arsenic	ug/l	5.1
Cadmium	ug/l	0.1
Chromium	ug/l	13.4
Lead	ug/l	<2.0
Mercury	ug/l	0.5
Nickel	ug/l	5.2
Selenium	ug/l	<5.0
Benzene	ug/l	<1
Toluene	ug/l	<1
Ethylbenzene	ug/l	<1
m+p-Xylene	ug/l	<2
o-Xylene	ug/l	<1
TPH	mg/l	<0.05
TPH EC10-EC12	mg/l	<0.01
TPH EC12-EC16	mg/l	<0.01
TPH EC16-EC21	mg/l	<0.01



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Thursday 14 August 2008

Sample Location / Identification	Bowser
Top Depth / m	
Bottom Depth / m	
Sample No.	
Sample Type	
Date Sampled	24/07/08
Receipt Date	25/07/08
ECõS Sample ID	S0808336
Matrix Type	Other Water

Determinand	Units	
TPH EC21-EC35	mg/l	<0.05
TPH EC35-EC40	mg/l	<0.05
TPH EC5-EC6	mg/l	<0.01
TPH EC6-EC8	mg/l	<0.01
TPH EC8-EC10	mg/l	<0.01
Polychlorinated biphenyl BZ#101	ug/l	<0.005
Polychlorinated biphenyl BZ#118	ug/l	<0.005
Polychlorinated biphenyl BZ#138	ug/l	<0.005
Polychlorinated biphenyl BZ#153	ug/l	<0.005
Polychlorinated biphenyl BZ#180	ug/l	<0.005
Polychlorinated biphenyl BZ#28	ug/l	<0.005
Polychlorinated biphenyl BZ#52	ug/l	<0.005



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Thursday 14 August 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

*LOD raised due to dilution prior to analysis.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1372

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	04/08/08
Reporting Date:	Wednesday 20 August 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	15/08/08
Phenols	HPLC-EC	R	0.5 ug/l	No	20/08/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	15/08/08
Naphthalene	GC-MS	R	0.02 ug/l	No	15/08/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	15/08/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	15/08/08
Fluorene	GC-MS	R	0.02 ug/l	No	15/08/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	15/08/08
Anthracene	GC-MS	R	0.02 ug/l	No	15/08/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	15/08/08
Pyrene	GC-MS	R	0.02 ug/l	No	15/08/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	15/08/08
Chrysene	GC-MS	R	0.01 ug/l	No	15/08/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	15/08/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	15/08/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	15/08/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	15/08/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	15/08/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	15/08/08
Arsenic	ICP-MS	R	0.2 ug/l	No	15/08/08
Cadmium	ICP-MS	R	0.01 ug/l	No	15/08/08
Chromium	ICP-MS	R	0.07 ug/l	No	15/08/08
Lead	ICP-MS	R	0.2 ug/l	No	15/08/08
Mercury	ICP-MS	R	0.02 ug/l	No	15/08/08
Nickel	ICP-MS	R	0.5 ug/l	No	15/08/08
Selenium	ICP-MS	R	0.5 ug/l	No	15/08/08
Benzene	HS-GC-MS	R	1 ug/l	No	15/08/08
Toluene	HS-GC-MS	R	1 ug/l	No	15/08/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	15/08/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	15/08/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	15/08/08
TPH	GC-FID	R	0.05 mg/l	No	15/08/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	15/08/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	15/08/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	15/08/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	15/08/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	15/08/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	15/08/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	15/08/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	15/08/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	12/08/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	12/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	12/08/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	12/08/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	12/08/08
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	12/08/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	12/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m		1.96	2.12	2.22	2.15	6.91
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		31/07/08	31/07/08	31/07/08	31/07/08	31/07/08
Receipt Date		04/08/08	04/08/08	04/08/08	04/08/08	04/08/08
EC&S Sample ID		S0808790	S0808791	S0808792	S0808793	S0808794
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.2	7.0	6.9	7.3	7.7
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.49	0.98	1.46	0.11	0.03
Naphthalene	ug/l	<0.02	0.03	<0.02	<0.02	0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	0.03	0.04	0.04	0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	0.03	<0.02	<0.02
Fluoranthene	ug/l	0.05	0.09	0.08	<0.02	<0.02
Pyrene	ug/l	0.05	0.08	0.08	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.04	0.10	0.12	<0.01	<0.01
Chrysene	ug/l	0.05	0.10	0.17	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.08	0.16	0.29	0.01	<0.01
Benzo(k)fluoranthene	ug/l	0.03	0.07	0.07	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.06	0.10	0.15	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.03	0.11	0.19	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	0.02	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.04	0.08	0.21	<0.01	<0.01
Arsenic	ug/l	0.5 ^U	<0.2 ^U	3.1 ^U	0.2 ^U	16.6 ^U
Cadmium	ug/l	0.32 ^U	0.09 ^U	0.22 ^U	0.29 ^U	0.07 ^U
Chromium	ug/l	3.74 ^U	3.22 ^U	2.73 ^U	3.70 ^U	14.45 ^U
Lead	ug/l	0.2 ^U	0.8 ^U	0.2 ^U	0.7 ^U	0.2 ^U
Mercury	ug/l	0.03 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	0.03 ^U
Nickel	ug/l	16.1 ^U	8.8 ^U	10.3 ^U	16.9 ^U	1.1 ^U
Selenium	ug/l	1.2 ^U	0.7 ^U	5.5 ^U	1.0 ^U	7.3 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	0.09	0.09	<0.1*	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.02*	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.02*	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m		1.96	2.12	2.22	2.15	6.91
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		31/07/08	31/07/08	31/07/08	31/07/08	31/07/08
Receipt Date		04/08/08	04/08/08	04/08/08	04/08/08	04/08/08
EC&S Sample ID		S0808790	S0808791	S0808792	S0808793	S0808794
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	0.01	<0.01	<0.02*	<0.01
TPH EC21-EC35	mg/l	<0.05	0.07	0.07	<0.1*	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.1*	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		BH605	BH606A	BH607	BH608	SM1
Top Depth / m		2.81	5.12	1.70	0.62	
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		31/07/08	31/07/08	31/07/08	31/07/08	30/07/08
Receipt Date		04/08/08	04/08/08	04/08/08	04/08/08	04/08/08
EC&S Sample ID		S0808795	S0808796	S0808797	S0808798	S0808799
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.5	7.4	7.3	7.2	6.9
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.69	0.04	0.49	2.18	3.84
Naphthalene	ug/l	<0.02	<0.02	<0.02	0.11	0.03
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	0.48	0.06
Fluorene	ug/l	<0.02	<0.02	<0.02	0.13	0.05
Phenanthrene	ug/l	0.06	<0.02	0.03	0.06	0.31
Anthracene	ug/l	<0.02	<0.02	<0.02	0.03	0.18
Fluoranthene	ug/l	0.10	<0.02	0.07	0.17	0.63
Pyrene	ug/l	0.08	<0.02	0.06	0.13	0.52
Benzo(a)anthracene	ug/l	0.05	<0.01	0.05	0.12	0.25
Chrysene	ug/l	0.05	<0.01	0.06	0.13	0.36
Benzo(b)+(j)fluoranthene	ug/l	0.09	<0.01	0.07	0.24	0.51
Benzo(k)fluoranthene	ug/l	0.04	<0.01	0.04	0.07	0.14
Benzo(a)pyrene	ug/l	0.07	<0.01	0.04	0.17	0.25
Indeno(1,2,3-cd)pyrene	ug/l	0.05	<0.01	0.02	0.15	0.29
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	0.04	0.05
Benzo(g,h,i)perylene	ug/l	0.04	<0.01	0.04	0.12	0.18
Arsenic	ug/l	1.8 ^U	11.2 ^U	0.2 ^U	0.8 ^U	1.6 ^U
Cadmium	ug/l	0.09 ^U	0.02 ^U	0.15 ^U	<0.01 ^U	<0.01 ^U
Chromium	ug/l	6.65 ^U	17.21 ^U	3.80 ^U	3.92 ^U	1.79 ^U
Lead	ug/l	0.3 ^U	0.4 ^U	0.3 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	0.04 ^U	0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	10.1 ^U	2.3 ^U	4.0 ^U	3.7 ^U	2.7 ^U
Selenium	ug/l	3.6 ^U	9.7 ^U	2.5 ^U	1.2 ^U	1.0 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.1*	<0.05	0.19	0.14	5.07
TPH EC10-EC12	mg/l	<0.02*	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.02*	<0.01	<0.01	<0.01	0.07



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		BH605	BH606A	BH607	BH608	SM1
Top Depth / m		2.81	5.12	1.70	0.62	
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		31/07/08	31/07/08	31/07/08	31/07/08	30/07/08
Receipt Date		04/08/08	04/08/08	04/08/08	04/08/08	04/08/08
ECoS Sample ID		S0808795	S0808796	S0808797	S0808798	S0808799
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.02*	<0.01	<0.01	0.02	1.97
TPH EC21-EC35	mg/l	<0.1*	<0.05	0.18	0.10	2.67
TPH EC35-EC40	mg/l	<0.1*	<0.05	<0.05	<0.05	0.35
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	0.03
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	0.007 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	0.008 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification	SM2
Top Depth / m	
Bottom Depth / m	
Sample No.	
Sample Type	W
Date Sampled	30/07/08
Receipt Date	04/08/08
EC&S Sample ID	S0808800
Matrix Type	Ground Water

Determinand	Units	
pH	N/A	7.8
Phenols	ug/l	<0.5
PAH (sum of PAH 17)	ug/l	6.13
Naphthalene	ug/l	0.02
Acenaphthylene	ug/l	0.03
Acenaphthene	ug/l	0.08
Fluorene	ug/l	0.06
Phenanthrene	ug/l	0.37
Anthracene	ug/l	0.08
Fluoranthene	ug/l	0.89
Pyrene	ug/l	0.69
Benzo(a)anthracene	ug/l	0.47
Chrysene	ug/l	0.55
Benzo(b)+(j)fluoranthene	ug/l	0.94
Benzo(k)fluoranthene	ug/l	0.24
Benzo(a)pyrene	ug/l	0.58
Indeno(1,2,3-cd)pyrene	ug/l	0.57
Dibenz(a,h)anthracene	ug/l	0.12
Benzo(g,h,i)perylene	ug/l	0.43
Arsenic	ug/l	1.2 ^U
Cadmium	ug/l	<0.01 ^U
Chromium	ug/l	1.87 ^U
Lead	ug/l	<0.2 ^U
Mercury	ug/l	<0.02 ^U
Nickel	ug/l	0.8 ^U
Selenium	ug/l	0.9 ^U
Benzene	ug/l	<1 ^U
Toluene	ug/l	<1 ^U
Ethylbenzene	ug/l	<1 ^U
m+p-Xylene	ug/l	<2 ^U
o-Xylene	ug/l	<1 ^U
TPH	mg/l	0.26
TPH EC10-EC12	mg/l	<0.01
TPH EC12-EC16	mg/l	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification	SM2
Top Depth / m	
Bottom Depth / m	
Sample No.	
Sample Type	W
Date Sampled	30/07/08
Receipt Date	04/08/08
ECoS Sample ID	S0808800
Matrix Type	Ground Water

Determinand	Units	
TPH EC16-EC21	mg/l	0.06
TPH EC21-EC35	mg/l	0.15
TPH EC35-EC40	mg/l	0.05
TPH EC5-EC6	mg/l	<0.01
TPH EC6-EC8	mg/l	<0.01
TPH EC8-EC10	mg/l	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Wednesday 20 August 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

*LOD raised due to sample volume available for extraction.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1409

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	08/08/08
Reporting Date:	Wednesday 20 August 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^u are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	11/08/08
Phenols	HPLC-EC	R	0.5 ug/l	No	18/08/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	11/08/08
Naphthalene	GC-MS	R	0.02 ug/l	No	11/08/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	11/08/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	11/08/08
Fluorene	GC-MS	R	0.02 ug/l	No	11/08/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	11/08/08
Anthracene	GC-MS	R	0.02 ug/l	No	11/08/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	11/08/08
Pyrene	GC-MS	R	0.02 ug/l	No	11/08/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	11/08/08
Chrysene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	11/08/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	11/08/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	11/08/08
Arsenic	ICP-MS	R	0.2 ug/l	No	13/08/08
Cadmium	ICP-MS	R	0.01 ug/l	No	13/08/08
Chromium	ICP-MS	R	0.07 ug/l	No	13/08/08
Lead	ICP-MS	R	0.2 ug/l	No	13/08/08
Mercury	ICP-MS	R	0.02 ug/l	No	13/08/08
Nickel	ICP-MS	R	0.5 ug/l	No	13/08/08
Selenium	ICP-MS	R	0.5 ug/l	No	13/08/08
Benzene	HS-GC-MS	R	1 ug/l	No	19/08/08
Toluene	HS-GC-MS	R	1 ug/l	No	19/08/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	19/08/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	19/08/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	19/08/08
TPH	GC-FID	R	0.05 mg/l	No	19/08/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	11/08/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	11/08/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	19/08/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	19/08/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	14/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	14/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP601	TP602	TP603	TP604	TP604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809004	S0809005	S0809006	S0809007	S0809008
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.0	6.9	6.9	7.0	7.5
Phenols	ug/l	77.7	<0.5	44.7	40.3	12.3
PAH (sum of PAH 17)	ug/l	0.21	0.06	0.17	0.05	0.04
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	0.03	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	0.02	<0.01	0.02	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.03	<0.01	0.03	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.02	<0.01	0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.02	<0.01	0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.02	<0.01	0.02	<0.01	<0.01
Arsenic	ug/l	1.5 ^U	2.7 ^U	3.8 ^U	0.7 ^U	12.9 ^U
Cadmium	ug/l	0.30 ^U	0.03 ^U	0.23 ^U	0.27 ^U	0.02 ^U
Chromium	ug/l	2.57 ^U	2.85 ^U	2.26 ^U	3.28 ^U	11.90 ^U
Lead	ug/l	1.6 ^U	0.3 ^U	0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	0.04 ^U	0.02 ^U	<0.02 ^U	<0.02 ^U	0.02 ^U
Nickel	ug/l	11.4 ^U	9.3 ^U	9.5 ^U	13.3 ^U	1.2 ^U
Selenium	ug/l	1.3 ^U	<0.5 ^U	3.6 ^U	<0.5 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP601	TP602	TP603	TP604	TP604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809004	S0809005	S0809006	S0809007	S0809008
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP606A	TP607	TP608
Top Depth / m				
Bottom Depth / m				
Sample No.				
Sample Type		W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809009	S0809010	S0809011
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
pH	N/A	7.4	7.2	7.0
Phenols	ug/l	<0.5	46.6	46.6
PAH (sum of PAH 17)	ug/l	0.03	0.07	0.80
Naphthalene	ug/l	0.08	<0.02	0.20
Acenaphthylene	ug/l	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	0.35
Fluorene	ug/l	<0.02	<0.02	0.09
Phenanthrene	ug/l	<0.02	0.02	0.03
Anthracene	ug/l	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	0.03
Pyrene	ug/l	<0.02	<0.02	0.03
Benzo(a)anthracene	ug/l	<0.01	<0.01	0.01
Chrysene	ug/l	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	0.03
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	0.01
Arsenic	ug/l	11.4 ^U	2.0 ^U	1.7 ^U
Cadmium	ug/l	0.01 ^U	0.15 ^U	<0.01 ^U
Chromium	ug/l	14.68 ^U	3.34 ^U	3.35 ^U
Lead	ug/l	<0.2 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	1.2 ^U	4.1 ^U	4.8 ^U
Selenium	ug/l	<0.5 ^U	3.4 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP606A	TP607	TP608
Top Depth / m				
Bottom Depth / m				
Sample No.				
Sample Type		W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809009	S0809010	S0809011
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	0.006 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	0.013 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	0.021 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	0.018 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	0.012 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Wednesday 20 August 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1448

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	15/08/08
Reporting Date:	Monday 01 September, 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 01 September, 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dry mass basis. Assisted drying carried out @ 40°C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40°C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of EC&S Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 01 September, 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	21/08/2008
Phenols	HPLC-EC	R	0.5 ug/l	No	28/08/2008
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	29/08/2008
Naphthalene	GC-MS	R	0.02 ug/l	No	29/08/2008
Acenaphthylene	GC-MS	R	0.02 ug/l	No	29/08/2008
Acenaphthene	GC-MS	R	0.02 ug/l	No	29/08/2008
Fluorene	GC-MS	R	0.02 ug/l	No	29/08/2008
Phenanthrene	GC-MS	R	0.02 ug/l	No	29/08/2008
Anthracene	GC-MS	R	0.02 ug/l	No	29/08/2008
Fluoranthene	GC-MS	R	0.02 ug/l	No	29/08/2008
Pyrene	GC-MS	R	0.02 ug/l	No	19/08/2008
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	29/08/2008
Chrysene	GC-MS	R	0.01 ug/l	No	29/08/2008
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	29/08/2008
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	19/08/2008
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	19/08/2008
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	19/08/2008
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	19/08/2008
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	19/08/2008
Arsenic	ICP-MS	R	0.2 ug/l	No	21/08/2008
Cadmium	ICP-MS	R	0.01 ug/l	No	21/08/2008
Chromium	ICP-MS	R	0.07 ug/l	No	21/08/2008
Lead	ICP-MS	R	0.2 ug/l	No	21/08/2008
Mercury	ICP-MS	R	0.02 ug/l	No	21/08/2008
Nickel	ICP-MS	R	0.5 ug/l	No	21/08/2008
Selenium	ICP-MS	R	0.5 ug/l	No	21/08/2008
Benzene	HS-GC-MS	R	1 ug/l	No	29/08/2008
Toluene	HS-GC-MS	R	1 ug/l	No	29/08/2008
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	29/08/2008
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	29/08/2008
o-Xylene	HS-GC-MS	R	1 ug/l	No	29/08/2008
TPH	GC-FID	R	0.05 mg/l	No	29/08/2008
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	29/08/2008
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	29/08/2008
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	29/08/2008
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	29/08/2008
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	29/08/2008
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	28/08/2008
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	28/08/2008
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	28/08/2008
Polychlorinated biphenyl BZ#28	GC-MS (HR)	R	0.005 ug/l	Yes	26/08/2008
Polychlorinated biphenyl BZ#52	GC-MS (HR)	R	0.005 ug/l	Yes	26/08/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 01 September, 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS (HR)	R	0.005 ug/l	Yes	26/08/2008
Polychlorinated biphenyl BZ#118	GC-MS (HR)	R	0.005 ug/l	Yes	26/08/2008
Polychlorinated biphenyl BZ#153	GC-MS (HR)	R	0.005 ug/l	Yes	26/08/2008
Polychlorinated biphenyl BZ#138	GC-MS (HR)	R	0.005 ug/l	Yes	26/08/2008
Polychlorinated biphenyl BZ#180	GC-MS (HR)	R	0.005 ug/l	Yes	26/08/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 01 September, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		14/08/08	14/08/08	14/08/08	14/08/08	14/08/08
Receipt Date		15/08/08	15/08/08	15/08/08	15/08/08	15/08/08
EC&S Sample ID		S0809246	S0809247	S0809248	S0809249	S0809250
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.4	7.2	7.3	7.4	8.0
Phenols	ug/l	18.4	13.0	11.8	16.3	<0.5
PAH (sum of PAH 17)	ug/l	0.10	0.05	<0.02	<0.02	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.01	0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	0.01	0.01	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.02	0.02	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.2 ^U	1.3 ^U	2.5 ^U	0.5 ^U	11.9 ^U
Cadmium	ug/l	0.32 ^U	0.62 ^U	0.13 ^U	0.23 ^U	0.03 ^U
Chromium	ug/l	2.13 ^U	2.53 ^U	1.53 ^U	2.22 ^U	13.25 ^U
Lead	ug/l	3.2 ^U	2.5 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	8.8 ^U	13.1 ^U	5.9 ^U	8.6 ^U	0.8 ^U
Selenium	ug/l	3.9 ^U	2.2 ^U	2.9 ^U	2.8 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 01 September, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		14/08/08	14/08/08	14/08/08	14/08/08	14/08/08
Receipt Date		15/08/08	15/08/08	15/08/08	15/08/08	15/08/08
EC&S Sample ID		S0809246	S0809247	S0809248	S0809249	S0809250
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 01 September, 2008

Sample Location		BH606	BH606A	BH607	BH608
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type					
Date Sampled		14/08/08	14/08/08	14/08/08	14/08/08
Receipt Date		15/08/08	15/08/08	15/08/08	15/08/08
EC&S Sample ID		S0809251	S0809252	S0809253	S0809254
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
pH	N/A	7.5	7.6	7.6	7.4
Phenols	ug/l	<0.5	<0.5	8.2	<0.5
PAH (sum of PAH 17)	ug/l	0.44	<0.02	<0.02	0.64
Naphthalene	ug/l	<0.02	<0.02	<0.02	0.06
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	0.18
Fluorene	ug/l	<0.02	<0.02	<0.02	0.04
Phenanthrene	ug/l	0.04	<0.02	<0.02	0.03
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.06	<0.02	<0.02	0.06
Pyrene	ug/l	0.05	<0.02	<0.02	0.05
Benzo(a)anthracene	ug/l	0.04	<0.01	<0.01	0.04
Chrysene	ug/l	0.04	<0.01	<0.01	0.04
Benzo(b)+(j)fluoranthene	ug/l	0.07	<0.01	<0.01	0.06
Benzo(k)fluoranthene	ug/l	0.03	<0.01	<0.01	0.02
Benzo(a)pyrene	ug/l	0.04	<0.01	<0.01	0.03
Indeno(1,2,3-cd)pyrene	ug/l	0.03	<0.01	<0.01	0.02
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.04	<0.01	<0.01	0.03
Arsenic	ug/l	2.0 ^U	2.4 ^U	1.7 ^U	1.0 ^U
Cadmium	ug/l	0.23 ^U	<0.01 ^U	0.11 ^U	0.01 ^U
Chromium	ug/l	2.26 ^U	8.17 ^U	2.53 ^U	1.67 ^U
Lead	ug/l	8.3 ^U	<0.2 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	3.7 ^U	3.2 ^U	2.3 ^U	8.2 ^U
Selenium	ug/l	1.9 ^U	<0.5 ^U	1.8 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 01 September, 2008

Sample Location		BH606	BH606A	BH607	BH608
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type					
Date Sampled		14/08/08	14/08/08	14/08/08	14/08/08
Receipt Date		15/08/08	15/08/08	15/08/08	15/08/08
EC&S Sample ID		S0809251	S0809252	S0809253	S0809254
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	0.014 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	0.006 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	0.008 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	0.026 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	0.026 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	0.032 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Monday 01 September, 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1479

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	22/08/08
Reporting Date:	Tuesday 09 September, 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 09 September, 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dry mass basis. Assisted drying carried out @ 40°C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40°C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of EC&S Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 09 September, 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	27/08/2008
Phenols	HPLC-EC	R	0.5 ug/l	No	28/08/2008
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	09/09/2008
Naphthalene	GC-MS	R	0.02 ug/l	No	09/09/2008
Acenaphthylene	GC-MS	R	0.02 ug/l	No	09/09/2008
Acenaphthene	GC-MS	R	0.02 ug/l	No	09/09/2008
Fluorene	GC-MS	R	0.02 ug/l	No	09/09/2008
Phenanthrene	GC-MS	R	0.02 ug/l	No	09/09/2008
Anthracene	GC-MS	R	0.02 ug/l	No	09/09/2008
Fluoranthene	GC-MS	R	0.02 ug/l	No	09/09/2008
Pyrene	GC-MS	R	0.02 ug/l	No	09/09/2008
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	09/09/2008
Chrysene	GC-MS	R	0.01 ug/l	No	09/09/2008
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	09/09/2008
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	09/09/2008
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	09/09/2008
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	09/09/2008
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	09/09/2008
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	09/09/2008
Arsenic	ICP-MS	R	0.2 ug/l	No	28/08/2008
Cadmium	ICP-MS	R	0.01 ug/l	No	28/08/2008
Chromium	ICP-MS	R	0.07 ug/l	No	28/08/2008
Lead	ICP-MS	R	0.2 ug/l	No	28/08/2008
Mercury	ICP-MS	R	0.02 ug/l	No	28/08/2008
Nickel	ICP-MS	R	0.5 ug/l	No	28/08/2008
Selenium	ICP-MS	R	0.5 ug/l	No	28/08/2008
Benzene	HS-GC-MS	R	1 ug/l	No	03/09/2008
Toluene	HS-GC-MS	R	1 ug/l	No	03/09/2008
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	03/09/2008
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	03/09/2008
o-Xylene	HS-GC-MS	R	1 ug/l	No	03/09/2008
TPH	GC-FID	R	0.05 mg/l	No	03/09/2008
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	03/09/2008
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	03/09/2008
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	03/09/2008
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	03/09/2008
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	03/09/2008
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	28/08/2008
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	28/08/2008
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	28/08/2008
Polychlorinated biphenyl BZ#28	GC-MS (HR)	R	0.005 ug/l	Yes	02/09/2008
Polychlorinated biphenyl BZ#52	GC-MS (HR)	R	0.005 ug/l	Yes	02/09/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 09 September, 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS (HR)	R	0.005 ug/l	Yes	02/09/2008
Polychlorinated biphenyl BZ#118	GC-MS (HR)	R	0.005 ug/l	Yes	02/09/2008
Polychlorinated biphenyl BZ#153	GC-MS (HR)	R	0.005 ug/l	Yes	02/09/2008
Polychlorinated biphenyl BZ#138	GC-MS (HR)	R	0.005 ug/l	Yes	02/09/2008
Polychlorinated biphenyl BZ#180	GC-MS (HR)	R	0.005 ug/l	Yes	02/09/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 09 September, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		21/08/08	21/08/08	21/08/08	21/08/08	21/08/08
Receipt Date		22/08/08	22/08/08	22/08/08	22/08/08	22/08/08
EC&S Sample ID		S0809449	S0809450	S0809451	S0809452	S0809453
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.1	6.9	7.0	7.0	7.7
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.43	0.80	0.35	0.41	<0.04*
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.04*
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.04*
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.04*
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.04*
Phenanthrene	ug/l	0.04	0.07	0.04	0.03	<0.04*
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.04*
Fluoranthene	ug/l	0.04	0.05	0.04	0.06	<0.04*
Pyrene	ug/l	0.04	0.05	0.04	0.05	<0.04*
Benzo(a)anthracene	ug/l	0.04	0.06	0.02	0.04	<0.02*
Chrysene	ug/l	0.04	0.08	0.04	0.05	<0.02*
Benzo(b)+(j)fluoranthene	ug/l	0.08	0.15	0.05	0.06	<0.02*
Benzo(k)fluoranthene	ug/l	0.03	0.05	0.02	0.02	<0.02*
Benzo(a)pyrene	ug/l	0.05	0.10	0.04	0.04	<0.02*
Indeno(1,2,3-cd)pyrene	ug/l	0.04	0.07	0.03	0.03	<0.02*
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.02*
Benzo(g,h,i)perylene	ug/l	0.04	0.12	0.03	0.03	<0.02*
Arsenic	ug/l	1.3 ^U	1.7 ^U	2.9 ^U	0.7 ^U	10.3 ^U
Cadmium	ug/l	0.43 ^U	0.62 ^U	0.11 ^U	0.23 ^U	0.02 ^U
Chromium	ug/l	3.23 ^U	4.06 ^U	2.44 ^U	3.59 ^U	13.77 ^U
Lead	ug/l	2.3 ^U	2.2 ^U	<0.2 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	10.3 ^U	16.6 ^U	4.8 ^U	11.3 ^U	0.6 ^U
Selenium	ug/l	3.2 ^U	1.4 ^U	2.0 ^U	3.9 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 09 September, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		21/08/08	21/08/08	21/08/08	21/08/08	21/08/08
Receipt Date		22/08/08	22/08/08	22/08/08	22/08/08	22/08/08
EC&S Sample ID		S0809449	S0809450	S0809451	S0809452	S0809453
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 09 September, 2008

Sample Location		BH606	BH606A	BH607	BH608
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type					
Date Sampled		21/08/08	21/08/08	21/08/08	21/08/08
Receipt Date		22/08/08	22/08/08	22/08/08	22/08/08
EC&S Sample ID		S0809454	S0809455	S0809456	S0809457
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
pH	N/A	7.2	7.5	7.3	7.2
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.35	4.42	<0.02	0.35
Naphthalene	ug/l	<0.02	0.07	<0.02	0.03
Acenaphthylene	ug/l	<0.02	0.04	<0.02	<0.02
Acenaphthene	ug/l	<0.02	0.52	<0.02	<0.02
Fluorene	ug/l	<0.02	0.24	<0.02	<0.02
Phenanthrene	ug/l	0.03	0.65	<0.02	<0.02
Anthracene	ug/l	<0.02	0.19	<0.02	<0.02
Fluoranthene	ug/l	0.04	0.75	<0.02	0.04
Pyrene	ug/l	0.04	0.56	<0.02	0.04
Benzo(a)anthracene	ug/l	0.03	0.21	<0.01	0.03
Chrysene	ug/l	0.04	0.23	<0.01	0.03
Benzo(b)+(j)fluoranthene	ug/l	0.05	0.30	<0.01	0.05
Benzo(k)fluoranthene	ug/l	0.02	0.09	<0.01	0.02
Benzo(a)pyrene	ug/l	0.04	0.21	<0.01	0.04
Indeno(1,2,3-cd)pyrene	ug/l	0.03	0.17	<0.01	0.03
Dibenz(a,h)anthracene	ug/l	<0.01	0.03	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.03	0.19	<0.01	0.03
Arsenic	ug/l	1.5 ^U	10.4 ^U	3.7 ^U	1.0 ^U
Cadmium	ug/l	0.36 ^U	<0.01 ^U	0.15 ^U	0.01 ^U
Chromium	ug/l	3.13 ^U	13.45 ^U	3.62 ^U	2.59 ^U
Lead	ug/l	3.4 ^U	<0.2 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	4.1 ^U	1.0 ^U	2.1 ^U	8.0 ^U
Selenium	ug/l	<0.5 ^U	<0.5 ^U	3.7 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Tuesday 09 September, 2008

Sample Location		BH606	BH606A	BH607	BH608
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type					
Date Sampled		21/08/08	21/08/08	21/08/08	21/08/08
Receipt Date		22/08/08	22/08/08	22/08/08	22/08/08
EC&S Sample ID		S0809454	S0809455	S0809456	S0809457
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	0.009 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	0.011 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	0.012 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	0.010 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Tuesday 09 September, 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

*LOD determined by volume of sample available for extraction.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1504

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	29/08/08
Reporting Date:	Friday 12 September 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	04/09/08
Phenols	HPLC-EC	R	0.5 ug/l	No	03/09/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	09/09/08
Naphthalene	GC-MS	R	0.02 ug/l	No	09/09/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	09/09/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	09/09/08
Fluorene	GC-MS	R	0.02 ug/l	No	09/09/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	09/09/08
Anthracene	GC-MS	R	0.02 ug/l	No	09/09/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	09/09/08
Pyrene	GC-MS	R	0.02 ug/l	No	09/09/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	09/09/08
Chrysene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	09/09/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	09/09/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	09/09/08
Arsenic	ICP-MS	R	0.2 ug/l	No	02/09/08
Cadmium	ICP-MS	R	0.01 ug/l	No	02/09/08
Chromium	ICP-MS	R	0.07 ug/l	No	02/09/08
Lead	ICP-MS	R	0.2 ug/l	No	02/09/08
Mercury	ICP-MS	R	0.02 ug/l	No	02/09/08
Nickel	ICP-MS	R	0.5 ug/l	No	02/09/08
Selenium	ICP-MS	R	0.5 ug/l	No	02/09/08
Benzene	HS-GC-MS	R	1 ug/l	No	08/09/08
Toluene	HS-GC-MS	R	1 ug/l	No	08/09/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	08/09/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	08/09/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	08/09/08
TPH	GC-FID	R	0.05 mg/l	No	09/09/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	09/09/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	09/09/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	09/09/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	09/09/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	09/09/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	08/09/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	08/09/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	08/09/08
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	10/09/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	10/09/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809634	S0809635	S0809636	S0809637	S0809638
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.5	7.1	7.2	7.2	7.7
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	<0.02	<0.02	0.18	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Arsenic	ug/l	0.7 ^U	<0.2 ^U	3.5 ^U	0.2 ^U	6.3 ^U
Cadmium	ug/l	0.32 ^U	0.60 ^U	0.12 ^U	0.26 ^U	0.09 ^U
Chromium	ug/l	0.67 ^U	1.74 ^U	0.69 ^U	0.84 ^U	8.55 ^U
Lead	ug/l	1.9 ^U	2.1 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	0.38 ^U
Nickel	ug/l	9.3 ^U	14.7 ^U	5.2 ^U	13.9 ^U	1.7 ^U
Selenium	ug/l	<0.5 ^U	<0.5 ^U	1.3 ^U	2.3 ^U	5.4 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809634	S0809635	S0809636	S0809637	S0809638
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH06	BH06A	BH607	BH608	SM1
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809639	S0809640	S0809641	S0809642	S0809643
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.3	7.5	7.3	7.3	7.4
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.05	<0.02	<0.02	<0.02	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.4 ^U	2.6 ^U	2.4 ^U	0.5 ^U	0.9 ^U
Cadmium	ug/l	0.39 ^U	0.03 ^U	0.17 ^U	0.01 ^U	<0.01 ^U
Chromium	ug/l	1.33 ^U	5.34 ^U	1.02 ^U	1.36 ^U	0.57 ^U
Lead	ug/l	5.3 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	49.2 ^U	1.9 ^U	2.2 ^U	6.2 ^U	1.2 ^U
Selenium	ug/l	1.1 ^U	3.4 ^U	1.0 ^U	0.8 ^U	0.8 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH06	BH06A	BH607	BH608	SM1
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809639	S0809640	S0809641	S0809642	S0809643
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	µg/l	<0.005 ^U	<0.005 ^U	0.016 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	µg/l	<0.005 ^U	<0.005 ^U	0.022 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	µg/l	<0.005 ^U	<0.005 ^U	0.014 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	µg/l	<0.005 ^U	<0.005 ^U	0.060 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	µg/l	<0.005 ^U	<0.005 ^U	0.077 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	µg/l	<0.005 ^U	<0.005 ^U	0.150 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification	SM2
Top Depth / m	
Bottom Depth / m	
Sample No.	
Sample Type	
Date Sampled	28/08/08
Receipt Date	29/08/08
EC&S Sample ID	S0809644
Matrix Type	Ground Water

Determinand	Units	
pH	N/A	7.9
Phenols	ug/l	<0.5
PAH (sum of PAH 17)	ug/l	<0.02
Naphthalene	ug/l	<0.02
Acenaphthylene	ug/l	<0.02
Acenaphthene	ug/l	<0.02
Fluorene	ug/l	<0.02
Phenanthrene	ug/l	<0.02
Anthracene	ug/l	<0.02
Fluoranthene	ug/l	<0.02
Pyrene	ug/l	<0.02
Benzo(a)anthracene	ug/l	<0.01
Chrysene	ug/l	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01
Benzo(k)fluoranthene	ug/l	<0.01
Benzo(a)pyrene	ug/l	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01
Arsenic	ug/l	1.1 ^U
Cadmium	ug/l	0.01 ^U
Chromium	ug/l	0.69 ^U
Lead	ug/l	<0.2 ^U
Mercury	ug/l	<0.02 ^U
Nickel	ug/l	1.1 ^U
Selenium	ug/l	<0.5 ^U
Benzene	ug/l	<1 ^U
Toluene	ug/l	<1 ^U
Ethylbenzene	ug/l	<1 ^U
m+p-Xylene	ug/l	<2 ^U
o-Xylene	ug/l	<1 ^U
TPH	mg/l	<0.05
TPH EC10-EC12	mg/l	<0.01
TPH EC12-EC16	mg/l	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification	SM2
Top Depth / m	
Bottom Depth / m	
Sample No.	
Sample Type	
Date Sampled	28/08/08
Receipt Date	29/08/08
ECoS Sample ID	S0809644
Matrix Type	Ground Water

Determinand	Units	
TPH EC16-EC21	mg/l	<0.01
TPH EC21-EC35	mg/l	<0.05
TPH EC35-EC40	mg/l	<0.05
TPH EC5-EC6	mg/l	<0.01
TPH EC6-EC8	mg/l	<0.01
TPH EC8-EC10	mg/l	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#52	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#101	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#118	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#153	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#138	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#180	µg/l	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Friday 12 September 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1530

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	None Specified
Order Receipt Date:	05/09/08
Reporting Date:	Monday 22 September, 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 22 September, 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dry mass basis. Assisted drying carried out @ 40°C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40°C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of EC&S Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 22 September, 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	10/09/2008
Phenols	HPLC-EC	R	0.5 ug/l	No	12/09/2008
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	17/09/2008
Naphthalene	GC-MS	R	0.02 ug/l	No	10/09/2008
Acenaphthylene	GC-MS	R	0.02 ug/l	No	10/09/2008
Acenaphthene	GC-MS	R	0.02 ug/l	No	18/09/2008
Fluorene	GC-MS	R	0.02 ug/l	No	18/09/2008
Phenanthrene	GC-MS	R	0.02 ug/l	No	18/09/2008
Anthracene	GC-MS	R	0.02 ug/l	No	18/09/2008
Fluoranthene	GC-MS	R	0.02 ug/l	No	18/09/2008
Pyrene	GC-MS	R	0.02 ug/l	No	18/09/2008
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	18/09/2008
Chrysene	GC-MS	R	0.01 ug/l	No	18/09/2008
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	18/09/2008
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	18/09/2008
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	18/09/2008
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	18/09/2008
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	18/09/2008
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	18/09/2008
Arsenic	ICP-MS	R	0.2 ug/l	No	11/09/2008
Cadmium	ICP-MS	R	0.01 ug/l	No	11/09/2008
Chromium	ICP-MS	R	0.07 ug/l	No	11/09/2008
Lead	ICP-MS	R	0.2 ug/l	No	11/09/2008
Mercury	ICP-MS	R	0.02 ug/l	No	11/09/2008
Nickel	ICP-MS	R	0.5 ug/l	No	11/09/2008
Selenium	ICP-MS	R	0.5 ug/l	No	11/09/2008
Benzene	HS-GC-MS	R	1 ug/l	No	11/09/2008
Toluene	HS-GC-MS	R	1 ug/l	No	11/09/2008
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	11/09/2008
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	11/09/2008
o-Xylene	HS-GC-MS	R	1 ug/l	No	11/09/2008
TPH	GC-FID	R	0.05 mg/l	No	11/09/2008
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	11/09/2008
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	11/09/2008
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	11/09/2008
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	11/09/2008
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	11/09/2008
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	11/09/2008
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	11/09/2008
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	11/09/2008
Polychlorinated biphenyl BZ#28	GC-MS (HR)	R	0.005 ug/l	Yes	19/09/2008
Polychlorinated biphenyl BZ#52	GC-MS (HR)	R	0.005 ug/l	Yes	19/09/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 22 September, 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS (HR)	R	0.005 ug/l	Yes	19/09/2008
Polychlorinated biphenyl BZ#118	GC-MS (HR)	R	0.005 ug/l	Yes	19/09/2008
Polychlorinated biphenyl BZ#153	GC-MS (HR)	R	0.005 ug/l	Yes	19/09/2008
Polychlorinated biphenyl BZ#138	GC-MS (HR)	R	0.005 ug/l	Yes	19/09/2008
Polychlorinated biphenyl BZ#180	GC-MS (HR)	R	0.005 ug/l	Yes	19/09/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 22 September, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		04/09/08	04/09/08	04/09/08	04/09/08	04/09/08
Receipt Date		05/09/08	05/09/08	05/09/08	05/09/08	05/09/08
EC&S Sample ID		S0809756	S0809757	S0809758	S0809759	S0809760
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.2	6.9	7.1	7.0	7.6
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.04	<0.02	<0.02	0.24	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	0.05	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	0.04	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.02	<0.01	<0.01	0.04	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.01	<0.01	<0.01	0.03	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.01	<0.01	<0.01	0.02	<0.01
Arsenic	ug/l	1.1 ^U	0.9 ^U	3.4 ^U	0.3 ^U	8.9 ^U
Cadmium	ug/l	0.39 ^U	0.75 ^U	0.11 ^U	0.24 ^U	0.03 ^U
Chromium	ug/l	2.04 ^U	2.66 ^U	2.66 ^U	1.98 ^U	12.79 ^U
Lead	ug/l	2.0 ^U	2.4 ^U	<0.2 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	0.03 ^U	0.02 ^U	<0.02 ^U	<0.02 ^U	0.02 ^U
Nickel	ug/l	8.6 ^U	21.4 ^U	4.0 ^U	11.5 ^U	0.7 ^U
Selenium	ug/l	2.4 ^U	<0.5 ^U	1.3 ^U	2.5 ^U	7.9 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 22 September, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		04/09/08	04/09/08	04/09/08	04/09/08	04/09/08
Receipt Date		05/09/08	05/09/08	05/09/08	05/09/08	05/09/08
EC&S Sample ID		S0809756	S0809757	S0809758	S0809759	S0809760
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 22 September, 2008

Sample Location		BH606	BH606A	BH608
Top Depth / m				
Bottom Depth / m				
Sample No.				
Sample Type				
Date Sampled		04/09/08	04/09/08	04/09/08
Receipt Date		05/09/08	05/09/08	05/09/08
EC&S Sample ID		S0809761	S0809762	S0809763
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
pH	N/A	7.3	7.3	6.9
Phenols	ug/l	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.25	<0.02	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.02	<0.01	<0.01
Chrysene	ug/l	0.03	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.03	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	0.04	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.02	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.04	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	0.04	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.04	<0.01	<0.01
Arsenic	ug/l	1.2 ^U	3.8 ^U	1.4 ^U
Cadmium	ug/l	0.24 ^U	0.02 ^U	0.02 ^U
Chromium	ug/l	2.33 ^U	8.20 ^U	1.48 ^U
Lead	ug/l	13.0 ^U	<0.2 ^U	0.4 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	2.9 ^U	1.1 ^U	8.0 ^U
Selenium	ug/l	0.7 ^U	5.2 ^U	1.1 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 22 September, 2008

Sample Location	BH606	BH606A	BH608
Top Depth / m			
Bottom Depth / m			
Sample No.			
Sample Type			
Date Sampled	04/09/08	04/09/08	04/09/08
Receipt Date	05/09/08	05/09/08	05/09/08
EC&S Sample ID	S0809761	S0809762	S0809763
Matrix Type	Ground Water	Ground Water	Ground Water

Determinand	Units			
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	0.013 ^U
Polychlorinated biphenyl BZ#101	ug/l	0.009 ^U	<0.005 ^U	0.014 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	0.010 ^U
Polychlorinated biphenyl BZ#153	ug/l	0.006 ^U	<0.005 ^U	0.011 ^U
Polychlorinated biphenyl BZ#138	ug/l	0.009 ^U	<0.005 ^U	0.021 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	0.013 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Monday 22 September, 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1552

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	11/09/08
Reporting Date:	Monday 29 September 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 29 September 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 29 September 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	25/09/08
Phenols	HPLC-EC	R	0.5 ug/l	No	22/09/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	25/09/08
Naphthalene	GC-MS	R	0.02 ug/l	No	25/09/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	25/09/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	25/09/08
Fluorene	GC-MS	R	0.02 ug/l	No	25/09/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	25/09/08
Anthracene	GC-MS	R	0.02 ug/l	No	25/09/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	25/09/08
Pyrene	GC-MS	R	0.02 ug/l	No	25/09/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	25/09/08
Chrysene	GC-MS	R	0.01 ug/l	No	25/09/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	25/09/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	25/09/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	25/09/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	25/09/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	25/09/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	25/09/08
Arsenic	ICP-MS	R	0.2 ug/l	No	18/09/08
Cadmium	ICP-MS	R	0.01 ug/l	No	18/09/08
Chromium	ICP-MS	R	0.07 ug/l	No	18/09/08
Lead	ICP-MS	R	0.2 ug/l	No	18/09/08
Mercury	ICP-MS	R	0.02 ug/l	No	18/09/08
Nickel	ICP-MS	R	0.5 ug/l	No	18/09/08
Selenium	ICP-MS	R	0.5 ug/l	No	18/09/08
Benzene	HS-GC-MS	R	1 ug/l	No	23/09/08
Toluene	HS-GC-MS	R	1 ug/l	No	23/09/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	23/09/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	23/09/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	23/09/08
TPH LL	GC-FID	R	0.05 mg/l	No	23/09/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	23/09/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	23/09/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	23/09/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	23/09/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	23/09/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	18/09/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	18/09/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	18/09/08
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	23/09/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	23/09/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 29 September 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	23/09/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	23/09/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	23/09/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	23/09/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	23/09/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 29 September 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		10/09/08	10/09/08	10/09/08	10/09/08	10/09/08
Receipt Date		11/09/08	11/09/08	11/09/08	11/09/08	11/09/08
EC&S Sample ID		S0809876	S0809877	S0809878	S0809879	S0809880
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.5	7.6	7.3	7.2	8.0
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	4.25	<0.02	7.86	1.13
Naphthalene	ug/l	<0.02	0.07	<0.02	0.06	0.35
Acenaphthylene	ug/l	<0.02	0.06	<0.02	0.08	0.02
Acenaphthene	ug/l	<0.02	0.04	<0.02	0.04	0.06
Fluorene	ug/l	<0.02	0.05	<0.02	0.05	0.19
Phenanthrene	ug/l	<0.02	0.25	<0.02	0.47	0.37
Anthracene	ug/l	<0.02	0.08	<0.02	0.13	0.04
Fluoranthene	ug/l	<0.02	0.37	<0.02	1.05	<0.02
Pyrene	ug/l	<0.02	0.35	<0.02	0.92	0.09
Benzo(a)anthracene	ug/l	<0.01	0.35	<0.01	0.64	<0.01
Chrysene	ug/l	<0.01	0.39	<0.01	0.74	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.71	<0.01	1.15	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	0.25	<0.01	0.35	<0.01
Benzo(a)pyrene	ug/l	<0.01	0.44	<0.01	0.69	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	0.34	<0.01	0.66	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	0.10	<0.01	0.20	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	0.41	<0.01	0.64	<0.01
Arsenic	ug/l	1.0 ^U	1.0 ^U	4.4 ^U	0.8 ^U	7.4 ^U
Cadmium	ug/l	0.35 ^U	0.37 ^U	0.05 ^U	0.30 ^U	<0.01 ^U
Chromium	ug/l	1.26 ^U	2.07 ^U	0.68 ^U	1.62 ^U	10.42 ^U
Lead	ug/l	1.7 ^U	0.6 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	7.1 ^U	13.8 ^U	3.0 ^U	16.8 ^U	0.7 ^U
Selenium	ug/l	2.0 ^U	<0.5 ^U	3.0 ^U	5.2 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 29 September 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		10/09/08	10/09/08	10/09/08	10/09/08	10/09/08
Receipt Date		11/09/08	11/09/08	11/09/08	11/09/08	11/09/08
EC&S Sample ID		S0809876	S0809877	S0809878	S0809879	S0809880
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 29 September 2008

Sample Location / Identification		BH606	BH606A	BH607	BH608
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type		W	W	W	W
Date Sampled		10/09/08	10/09/08	10/09/08	10/09/08
Receipt Date		11/09/08	11/09/08	11/09/08	11/09/08
EC&S Sample ID		S0809881	S0809882	S0809883	S0809884
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
pH	N/A	7.6	7.6	7.5	7.5
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.04	<0.02	<0.02	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.8 ^U	3.3 ^U	3.8 ^U	1.0 ^U
Cadmium	ug/l	0.35 ^U	<0.01 ^U	0.05 ^U	0.04 ^U
Chromium	ug/l	1.89 ^U	4.52 ^U	1.83 ^U	1.12 ^U
Lead	ug/l	6.5 ^U	<0.2 ^U	0.4 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	5.7 ^U	7.3 ^U	1.3 ^U	6.2 ^U
Selenium	ug/l	1.0 ^U	2.2 ^U	2.7 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 29 September 2008

Sample Location / Identification		BH606	BH606A	BH607	BH608
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type		W	W	W	W
Date Sampled		10/09/08	10/09/08	10/09/08	10/09/08
Receipt Date		11/09/08	11/09/08	11/09/08	11/09/08
EC&S Sample ID		S0809881	S0809882	S0809883	S0809884
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	0.013 ^U	0.015 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	0.017 ^U	0.022 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.007 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	0.009 ^U	0.016 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	0.013 ^U	0.021 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	0.005 ^U	0.009 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Monday 29 September 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1599

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	19/09/08
Reporting Date:	Monday 6 October 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 6 October 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of EC&S Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 6 October 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	26/09/08
Phenols	HPLC-EC	R	0.5 ug/l	No	23/09/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	26/09/08
Naphthalene	GC-MS	R	0.02 ug/l	No	26/09/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	26/09/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	26/09/08
Fluorene	GC-MS	R	0.02 ug/l	No	02/10/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	02/10/08
Anthracene	GC-MS	R	0.02 ug/l	No	02/10/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	02/10/08
Pyrene	GC-MS	R	0.02 ug/l	No	02/10/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	02/10/08
Chrysene	GC-MS	R	0.01 ug/l	No	02/10/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	02/10/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	02/10/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	02/10/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	02/10/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	02/10/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	02/10/08
Arsenic	ICP-MS	R	0.2 ug/l	No	23/09/08
Cadmium	ICP-MS	R	0.01 ug/l	No	23/09/08
Chromium	ICP-MS	R	0.07 ug/l	No	23/09/08
Lead	ICP-MS	R	0.2 ug/l	No	23/09/08
Mercury	ICP-MS	R	0.02 ug/l	No	23/09/08
Nickel	ICP-MS	R	0.5 ug/l	No	23/09/08
Selenium	ICP-MS	R	0.5 ug/l	No	23/09/08
Benzene	HS-GC-MS	R	1 ug/l	No	01/10/08
Toluene	HS-GC-MS	R	1 ug/l	No	01/10/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	01/10/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	01/10/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	01/10/08
TPH	GC-FID	R	0.05 mg/l	No	01/10/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	01/10/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	01/10/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	01/10/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	01/10/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	01/10/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	01/10/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	01/10/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	01/10/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	06/10/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	06/10/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 6 October 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	06/10/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	06/10/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	06/10/08
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	06/10/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	06/10/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 6 October 2008

Sample Location / Identification		BH601	BH602	BH603	WT01	BH604
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		18/09/08	18/09/08	18/09/08	18/09/08	18/09/08
Receipt Date		19/09/08	19/09/08	19/09/08	19/09/08	19/09/08
EC&S Sample ID		S0810248	S0810249	S0810250	S0810251	S0810252
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.6	7.3	7.5	8.1	7.7
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	0.14	0.12	<0.02	0.73
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	0.04
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	<0.02	0.10
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	0.08
Benzo(a)anthracene	ug/l	<0.01	0.01	0.02	<0.01	0.06
Chrysene	ug/l	<0.01	0.02	0.02	<0.01	0.08
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.04	0.03	<0.01	0.11
Benzo(k)fluoranthene	ug/l	<0.01	0.01	0.01	<0.01	0.04
Benzo(a)pyrene	ug/l	<0.01	0.02	0.01	<0.01	0.08
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	0.01	0.01	<0.01	0.06
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	0.02
Benzo(g,h,i)perylene	ug/l	<0.01	0.02	0.02	<0.01	0.06
Arsenic	ug/l	1.4 ^U	1.8 ^U	6.8 ^U	24.3 ^U	0.5 ^U
Cadmium	ug/l	0.36 ^U	0.22 ^U	0.09 ^U	0.10 ^U	0.30 ^U
Chromium	ug/l	1.81 ^U	2.97 ^U	2.24 ^U	2.12 ^U	1.83 ^U
Lead	ug/l	2.8 ^U	0.4 ^U	<0.2 ^U	6.7 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	8.4 ^U	8.9 ^U	4.7 ^U	19.8 ^U	7.4 ^U
Selenium	ug/l	0.7 ^U	0.7 ^U	2.7 ^U	0.5 ^U	2.9 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 6 October 2008

Sample Location / Identification		BH601	BH602	BH603	WT01	BH604
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		18/09/08	18/09/08	18/09/08	18/09/08	18/09/08
Receipt Date		19/09/08	19/09/08	19/09/08	19/09/08	19/09/08
EC&S Sample ID		S0810248	S0810249	S0810250	S0810251	S0810252
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.007 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.007 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.010 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 6 October 2008

Sample Location / Identification		BH604A	BH606	BH606A	BH607	BH608
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		18/09/08	18/09/08	18/09/08	18/09/08	18/09/08
Receipt Date		19/09/08	19/09/08	19/09/08	19/09/08	19/09/08
EC&S Sample ID		S0810253	S0810254	S0810255	S0810256	S0810257
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	8.0	7.5	7.7	7.6	7.6
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	0.42	<0.02	<0.02	0.72
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	0.20
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	0.19
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	0.05
Phenanthrene	ug/l	<0.02	0.06	<0.02	<0.02	0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	0.05	<0.02	<0.02	0.04
Pyrene	ug/l	<0.02	0.04	<0.02	<0.02	0.03
Benzo(a)anthracene	ug/l	<0.01	0.04	<0.01	<0.01	0.02
Chrysene	ug/l	<0.01	0.04	<0.01	<0.01	0.03
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.06	<0.01	<0.01	0.04
Benzo(k)fluoranthene	ug/l	<0.01	0.02	<0.01	<0.01	0.02
Benzo(a)pyrene	ug/l	<0.01	0.05	<0.01	<0.01	0.03
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	0.04	<0.01	<0.01	0.02
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	0.04	<0.01	<0.01	0.02
Arsenic	ug/l	7.5 ^U	1.8 ^U	6.4 ^U	3.8 ^U	1.1 ^U
Cadmium	ug/l	0.01 ^U	0.49 ^U	<0.01 ^U	0.07 ^U	0.03 ^U
Chromium	ug/l	11.69 ^U	2.86 ^U	9.56 ^U	2.82 ^U	3.03 ^U
Lead	ug/l	<0.2 ^U	<0.2 ^U	<0.2 ^U	1.0 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	0.6 ^U	10.5 ^U	0.9 ^U	1.3 ^U	5.0 ^U
Selenium	ug/l	<0.5 ^U	1.1 ^U	0.6 ^U	1.6 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 6 October 2008

Sample Location / Identification		BH604A	BH606	BH606A	BH607	BH608
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		18/09/08	18/09/08	18/09/08	18/09/08	18/09/08
Receipt Date		19/09/08	19/09/08	19/09/08	19/09/08	19/09/08
EC&S Sample ID		S0810253	S0810254	S0810255	S0810256	S0810257
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.009 ^U	0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.012 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.012 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	0.009 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Monday 6 October 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report

ECoS REPORT NO. 081638		F15285	Durham Ro	Norwest Holst Limited - Soil Engineering Division									
DATE ISSUED 30/10/08													
HOLE NO/SAMPLE ID		BH601	BH602	BH603	BH604	BH604A	BH606	BH606A	BH607	BH608	WT02	SM01	SM02
SAMPLE DEPTH													
SAMPLE NO.													
SAMPLE TYPE													
DATE SAMPLED													
RECEIPT DATE		26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08
OUR REF.		S0810537	S0810538	S0810539	S0810540	S0810541	S0810542	S0810543	S0810544	S0810545	S0810546	S0810547	S0810548
MATRIX		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
pH	N/A	7.5	7.3	7.8	7.5	8	7.6	7.6	7.5	7.3	7.7	8.1	7.5
Phenols	ug/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
PAH (sum of PAH 17)	ug/l	<0.02	<0.02	<0.02	0.1	0.051	0.2	<0.02	<0.02	0.6	<0.02	<0.02	0.36
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.16	<0.02	<0.02	0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	0.33	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.07	<0.02	<0.02	0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.07
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	0.02	<0.02	0.05	<0.02	<0.02	0.03	<0.02	<0.02	0.09
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.07
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.5	1.1	2.9	0.4	8.5	1.3	3.4	3.9	0.8	7.1	1.4	2
Cadmium	ug/l	0.32	0.35	0.13	0.13	0.04	0.37	0.01	0.15	0.08	0.02	0.01	<0.01
Chromium	ug/l	1.98	3.43	1.77	2.5	12.48	2.85	10.55	3.02	3.26	2.3	1.3	2.22
Lead	ug/l	1.9	0.8	<0.2	0.3	<0.2	0.4	<0.2	0.4	0.2	1.2	<0.2	<0.2
Mercury	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel	ug/l	8.9	9.7	6.9	5.6	1.3	7	0.9	2.4	3.7	12.1	1.4	1.6
Selenium	ug/l	1.5	0.6	2.2	2.3	0.6	0.7	<0.5	1.6	<0.5	0.5	1.1	1.1
Benzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

ECoS REPORT NO.	081666	Durham Rd				
DATE ISSUED	27/10/08	F15285				
HOLE NO/SAMPLE ID	BH608	WT03	BH602	BH604A	BH606A	
SAMPLE DEPTH						
SAMPLE NO.						
SAMPLE TYPE	A.B	A.B	A.B	A.B	A.B	
DATE SAMPLED						
RECEIPT DATE	03/10/08	03/10/08	03/10/08	03/10/08	03/10/08	
OUR REF.	S0810724	S0810725	S0810726	S0810727	S0810728	
MATRIX	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	
pH	N/A	7.5	8	7.2	8.2	7.8
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	1.15	0.17	<0.02	<0.02	<0.02
Naphthalene	ug/l	0.1	0.05	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.04	<0.04	<0.02	<0.02	<0.02
Acenaphthene	ug/l	0.15	<0.04	<0.02	<0.02	<0.02
Fluorene	ug/l	0.06	<0.04	<0.02	<0.02	<0.02
Phenanthrene	ug/l	0.17	0.12	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.04	<0.04	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.1	<0.04	<0.02	<0.02	<0.02
Pyrene	ug/l	0.09	<0.04	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.06	<0.02	<0.01	<0.01	<0.01
Chrysene	ug/l	0.07	<0.02	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.1	<0.02	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	0.05	<0.02	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.08	<0.02	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.06	<0.02	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.02	<0.02	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.06	<0.02	<0.01	<0.01	<0.01
Arsenic	ug/l	0.3	6.7	1.2	6.3	3.4
Cadmium	ug/l	0.05	0.01	0.02	0.02	<0.01
Chromium	ug/l	2.12	1.9	2.49	11.58	9.26
Lead	ug/l	0.2	<0.2	<0.2	<0.2	<0.2
Mercury	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel	ug/l	4	26.2	11.2	0.7	0.9
Selenium	ug/l	0.7	0.9	0.9	6.7	6.4
Benzene	ug/l	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05

TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1700

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	10/10/08
Reporting Date:	Monday 3 November 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 3 November 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 3 November 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	21/10/08
Phenols	HPLC-EC	R	0.5 ug/l	No	17/10/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	23/10/08
Naphthalene	GC-MS	R	0.02 ug/l	No	23/10/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	23/10/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	23/10/08
Fluorene	GC-MS	R	0.02 ug/l	No	23/10/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	23/10/08
Anthracene	GC-MS	R	0.02 ug/l	No	23/10/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	23/10/08
Pyrene	GC-MS	R	0.02 ug/l	No	23/10/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	23/10/08
Chrysene	GC-MS	R	0.01 ug/l	No	23/10/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	23/10/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	23/10/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	23/10/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	23/10/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	23/10/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	23/10/08
Arsenic	ICP-MS	R	0.2 ug/l	No	16/10/08
Cadmium	ICP-MS	R	0.01 ug/l	No	16/10/08
Chromium	ICP-MS	R	0.07 ug/l	No	16/10/08
Lead	ICP-MS	R	0.2 ug/l	No	16/10/08
Mercury	ICP-MS	R	0.02 ug/l	No	16/10/08
Nickel	ICP-MS	R	0.5 ug/l	No	16/10/08
Selenium	ICP-MS	R	0.5 ug/l	No	16/10/08
Benzene	HS-GC-MS	R	1 ug/l	No	03/11/08
Toluene	HS-GC-MS	R	1 ug/l	No	03/11/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	03/11/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	03/11/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	03/11/08
TPH	GC-FID	R	0.05 mg/l	No	23/10/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	23/10/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	23/10/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	23/10/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	23/10/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	23/10/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	31/10/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	31/10/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	31/10/08
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	22/10/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	22/10/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 3 November 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	22/10/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	22/10/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	22/10/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	22/10/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	22/10/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 3 November 2008

Sample Location / Identification		BH601	BH602	BH604	BH604A	BH606
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		09/10/08	09/10/08	09/10/08	09/10/08	09/10/08
Receipt Date		10/10/08	10/10/08	10/10/08	10/10/08	10/10/08
EC&S Sample ID		S0810977	S0810978	S0810979	S0810980	S0810981
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.8	7.5	7.7	8.1	7.6
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.08	0.26	<0.02	0.02	0.65
Naphthalene	ug/l	0.05	0.06	<0.02	<0.02	0.06
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	0.03	0.03	<0.02	0.02	0.04
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	0.02	<0.02	<0.02	0.07
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	0.07
Benzo(a)anthracene	ug/l	<0.01	0.01	<0.01	<0.01	0.04
Chrysene	ug/l	<0.01	0.02	<0.01	<0.01	0.05
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.03	<0.01	<0.01	0.07
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	0.05
Benzo(a)pyrene	ug/l	<0.01	0.02	<0.01	<0.01	0.05
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	0.02	<0.01	<0.01	0.06
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	0.04
Benzo(g,h,i)perylene	ug/l	<0.01	0.02	<0.01	<0.01	0.06
Arsenic	ug/l	1.9 ^U	1.6 ^U	0.8 ^U	6.6 ^U	1.3 ^U
Cadmium	ug/l	0.30 ^U	0.33 ^U	0.16 ^U	0.02 ^U	0.40 ^U
Chromium	ug/l	2.61 ^U	3.02 ^U	2.54 ^U	11.35 ^U	2.16 ^U
Lead	ug/l	3.0 ^U	0.8 ^U	<0.2 ^U	<0.2 ^U	2.7 ^U
Mercury	ug/l	0.03 ^U	<0.02 ^U	<0.02 ^U	0.02 ^U	<0.02 ^U
Nickel	ug/l	10.1 ^U	8.3 ^U	7.4 ^U	0.6 ^U	5.4 ^U
Selenium	ug/l	1.6 ^U	0.9 ^U	1.2 ^U	<0.5 ^U	0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 3 November 2008

Sample Location / Identification		BH601	BH602	BH604	BH604A	BH606
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		09/10/08	09/10/08	09/10/08	09/10/08	09/10/08
Receipt Date		10/10/08	10/10/08	10/10/08	10/10/08	10/10/08
EC&S Sample ID		S0810977	S0810978	S0810979	S0810980	S0810981
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 3 November 2008

Sample Location / Identification		BH606A	BH607	BH608	WT04
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type		W	W	W	W
Date Sampled		09/10/08	09/10/08	09/10/08	09/10/08
Receipt Date		10/10/08	10/10/08	10/10/08	10/10/08
EC&S Sample ID		S0810982	S0810983	S0810984	S0810985
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
pH	N/A	7.8	7.8	7.7	8.2
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.06	0.23	1.75	0.22
Naphthalene	ug/l	0.04	0.03	0.50	0.07
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	0.88	0.11
Fluorene	ug/l	<0.02	<0.02	0.22	0.02
Phenanthrene	ug/l	0.02	<0.02	0.05	0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	0.02	0.05	<0.02
Pyrene	ug/l	<0.02	0.02	0.05	<0.02
Benzo(a)anthracene	ug/l	<0.01	0.02	<0.01	<0.01
Chrysene	ug/l	<0.01	0.03	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.03	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	0.02	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	0.02	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	0.02	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	0.02	<0.01	<0.01
Arsenic	ug/l	3.5 ^U	2.3 ^U	0.9 ^U	3.8 ^U
Cadmium	ug/l	0.01 ^U	0.12 ^U	0.01 ^U	0.01 ^U
Chromium	ug/l	9.43 ^U	2.44 ^U	3.16 ^U	2.26 ^U
Lead	ug/l	<0.2 ^U	0.3 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	0.02 ^U	<0.02 ^U
Nickel	ug/l	0.8 ^U	3.1 ^U	1.7 ^U	11.0 ^U
Selenium	ug/l	<0.5 ^U	1.2 ^U	0.9 ^U	1.9 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Monday 3 November 2008

Sample Location / Identification		BH606A	BH607	BH608	WT04
Top Depth / m					
Bottom Depth / m					
Sample No.					
Sample Type		W	W	W	W
Date Sampled		09/10/08	09/10/08	09/10/08	09/10/08
Receipt Date		10/10/08	10/10/08	10/10/08	10/10/08
EC&S Sample ID		S0810982	S0810983	S0810984	S0810985
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units				
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	0.023 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	0.012 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	0.027 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	0.024 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	0.017 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	0.014 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Monday 3 November 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report

ECoS REPORT NO.	081738	Durham Road, Newport					
DATE ISSUED	05/11/08	F15285					
HOLE NO/SAMPLE ID	BH601	BH602	BH604	BH604A	BH606A	BH608	WT05
SAMPLE DEPTH							
SAMPLE NO.							
SAMPLE TYPE	W	W	W	W	W	W	W
DATE SAMPLED	16/10/08	16/10/08	16/10/08	16/10/08	16/10/08	16/10/08	16/10/08
RECEIPT DATE	17/10/08	17/10/08	17/10/08	17/10/08	17/10/08	17/10/08	17/10/08
OUR REF.	S0811247	S0811248	S0811249	S0811250	S0811251	S0811252	S0811253
MATRIX	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
pH	N/A	7.7	7.5	7.7	8	7.7	7.5
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.02	<0.02	<10	0.02	<0.02	1.5
Naphthalene	ug/l	<0.02	<0.02	<10	0.02	<0.02	0.15
Acenaphthylene	ug/l	<0.02	<0.02	<10	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<10	<0.02	<0.02	0.85
Fluorene	ug/l	<0.02	<0.02	<10	<0.02	<0.02	0.22
Phenanthrene	ug/l	<0.02	<0.02	<10	<0.02	<0.02	0.02
Anthracene	ug/l	<0.02	<0.02	<10	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.02	<0.02	<10	<0.02	<0.02	0.06
Pyrene	ug/l	<0.02	<0.02	<10	<0.02	<0.02	0.06
Benzo(a)anthracene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	0.03
Chrysene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	0.03
Benzo(b)(j)fluoranthene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	0.05
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	0.02
Benzo(a)pyrene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	0.02
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<10	<0.01	<0.01	<0.01
Arsenic	ug/l	1.2	<0.2	1	5.9	2.3	<0.2
Cadmium	ug/l	0.25	0.43	0.2	0.04	0.01	0.06
Chromium	ug/l	0.68	0.64	0.49	2.03	3.52	<0.07
Lead	ug/l	1.5	0.3	<0.2	<0.2	<0.2	<0.2
Mercury	ug/l	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel	ug/l	10.5	9	13.6	0.8	0.8	3.5
Selenium	ug/l	<0.5	0.6	0.8	5.7	5.6	<0.5
Benzene	ug/l	<1	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	0.52	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.4	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.4	<0.01	<0.01	<0.01
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.4	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.4	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.4	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005	0.006
Polychlorinated biphenyl BZ#101	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005	0.016
Polychlorinated biphenyl BZ#118	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005	0.014
Polychlorinated biphenyl BZ#153	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005	0.03
Polychlorinated biphenyl BZ#138	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005	0.038
Polychlorinated biphenyl BZ#180	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005	0.035

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
29 October 2008

Results of analysis of 8 samples
received 27 October 2008

Durham Road, Newport (F15285)

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

					48581							
					AD58040	AD58042	AD58044	AD58046	AD58048	AD58050	AD58052	AD58054
					SM01	SM02	WT05	BH601	BH602	BH604A	BH606A	BH608
					1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1010	pH	PH	-	U	7.6	7.2	7.3	6.8	6.7	7.2	7.0	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	1.3	2.9	5.4	2.3	3.2	8.4	13	1.3
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	1.4	1.2	3.5	3.0	4.1	9.8	7.1	3.7
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	1.1	1.7	14	15	14	1.8	1.3	2.4
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	8.1	1.1	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	1.1	1.1	1.2	1.6	1.2	4.7	3.6	<1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1

All tests undertaken between 28-Oct-2008 and 29-Oct-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD58040 to AD58054

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
29 October 2008

Results of analysis of 8 samples
received 27 October 2008

FAO Christiaan Wilkinson

Durham Road, Newport (F15285)

					48581							
					AD58040	AD58042	AD58044	AD58046	AD58048	AD58050	AD58052	AD58054
					SM01	SM02	WT05	BH601	BH602	BH604A	BH606A	BH608
					1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 29-Oct-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD58040 to AD58054

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 8 samples
received 27 October 2008

Durham Road, Newport (F15285)



Report Date
29 October 2008

					48581							
					AD58040	AD58042	AD58044	AD58046	AD58048	AD58050	AD58052	AD58054
					SM01	SM02	WT05	BH601	BH602	BH604A	BH606A	BH608
					1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 29-Oct-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
05 November 2008

Results of analysis of 3 samples
received 31 October 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101748		
					AD59738	AD59739	AD59740
					BH607	BH608	WT06
					WATER	WATER	WATER
1010	pH	PH	-	U	6.7	6.6	7.3
1450	Arsenic	7440382	µg l ⁻¹	U	2.0	3.2	3.6
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	1.9	2.0	1.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	2.4	4.2	36
	Lead	7439921	µg l ⁻¹	U	4.9	<1	1.1
	Selenium	7782492	µg l ⁻¹	U	<1	<1	<1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 28-Oct-2008 and 5-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD59738 to AD59740

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 31 October 2008

Durham Rd, Newport - F15285



Report Date
05 November 2008

					101748		
					AD59738	AD59739	AD59740
					BH607	BH608	WT06
					WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<1	<1	<1
	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 5-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD59738 to AD59740

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 31 October 2008

Durham Rd, Newport - F15285



Report Date
05 November 2008

					101748		
					AD59738	AD59739	AD59740
					BH607	BH608	WT06
					WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 5-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD59738 to AD59740

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
05 November 2008

Results of analysis of 3 samples
received 31 October 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101749		
					AD59741	AD59742	AD59743
					BH604A	BH606	BH606A
					WATER	WATER	WATER
1010	pH	PH	-	U	7.2	7	7.1
1450	Arsenic	7440382	µg l ⁻¹	U	17	2.7	12
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	4.8	1.8	4.8
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	<1	2.7	<1
	Lead	7439921	µg l ⁻¹	U	<1	28	<1
	Selenium	7782492	µg l ⁻¹	U	2.9	<1	2.6
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 28-Oct-2008 and 5-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD59741 to AD59743

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 31 October 2008

Durham Rd, Newport - F15285



Report Date
05 November 2008

					101749		
					AD59741	AD59742	AD59743
					BH604A	BH606	BH606A
					WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<1	<1	<1
	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 5-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD59741 to AD59743

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 31 October 2008

Durham Rd, Newport - F15285



Report Date
05 November 2008

					101749		
					AD59741	AD59742	AD59743
					BH604A	BH606	BH606A
					WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 5-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD59741 to AD59743

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO C Wilkinson
11 November 2008

Dear C Wilkinson

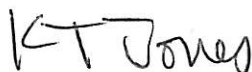
Test Report Number 74800
Your Project Reference Durham Rd, Newport F15285

Please find enclosed the results of analysis for the samples received 7 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 74800 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 7 sample
received 07 November 2008

Durham Rd, Newport F15285



Report Date
11 November 2008

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	
2810	2,4,4'-Trichlorobiphenyl	7012375	mg kg ⁻¹	N	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	mg kg ⁻¹	N	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	mg kg ⁻¹	N	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	mg kg ⁻¹	N	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	mg kg ⁻¹	N	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	mg kg ⁻¹	N	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	mg kg ⁻¹	N	<0.01

74800

AD61389

TP910

SOIL

All tests undertaken between 10-Nov-2008 and 11-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 4

Report sample ID range AD61383 to AD61389

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 7 samples
received 07 November 2008

Durham Rd, Newport F15285



Report Date
11 November 2008

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓

Determinand↓

CAS No↓

Units↓

*

					74800					
					AD61383	AD61384	AD61385	AD61386	AD61387	AD61388
					BH602	BH604	BH604A	BH606A	BH608	WT07
					WATER	WATER	WATER	WATER	WATER	WATER
1010	pH	PH	-	U	7.1	7.3	7.5	7.3	7	7.8
1450	Arsenic	7440382	µg l ⁻¹	U	2.8	2.2	6.1	4.7	<1	2.5
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	<1	<1	2.5	1.1	<1	<1
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	9.8	8.8	1.2	2.3	2.8	28
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	1.1	2.2	3.2	2.4	<1	1.4
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1

All tests undertaken between 10-Nov-2008 and 11-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 4

Report sample ID range AD61383 to AD61389

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
11 November 2008

Results of analysis of 7 samples
received 07 November 2008

Durham Rd, Newport F15285

FAO C Wilkinson

					74800					
					AD61383	AD61384	AD61385	AD61386	AD61387	AD61388
					BH602	BH604	BH604A	BH606A	BH608	WT07
					WATER	WATER	WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 10-Nov-2008 and 11-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 4

Report sample ID range AD61383 to AD61389

FAO C Wilkinson

Results of analysis of 7 samples received 07 November 2008

 **Chemtest**

Report Date
11 November 2008

All tests undertaken between 10-Nov-2008 and 11-Nov-2008

This report should be interpreted in conjunction with the notes on the accompanying cover page

Report sample ID range AD61383 to AD61389

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
20 November 2008

Dear Christian Wilkinson

Test Report Number **101895**
Your Project Reference **Durham Rd, Newport - F15285**

Please find enclosed the results of analysis for the samples received 14 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101895 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 4 samples
received 14 November 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					101895			
					AD63576	AD63577	AD63578	AD63579
					BH604	BH604A	BH606	BH606A
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.1	7.6	7.1	7.3
1450	Arsenic	7440382	µg l ⁻¹	U	1.3	5.1	2.2	8.2
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	4.0	8.0	2.6	7.2
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	9.4	3.8	4.5	3.2
	Lead	7439921	µg l ⁻¹	U	1.7	<1	1.5	<1
	Selenium	7782492	µg l ⁻¹	U	8.3	6.9	3.2	5.7
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD63576 to AD63579

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 4 samples
received 14 November 2008

Durham Rd, Newport - F15285

					101895			
					AD63576	AD63577	AD63578	AD63579
					BH604	BH604A	BH606	BH606A
					WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Ethyl benzene	100414	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD63576 to AD63579

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 4 samples
received 14 November 2008

Durham Rd, Newport - F15285

					101895			
					AD63576	AD63577	AD63578	AD63579
					BH604	BH604A	BH606	BH606A
					WATER	WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD63576 to AD63579

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
20 November 2008

Dear Christian Wilkinson

Test Report Number 101896
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 14 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101896 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 3 samples
received 14 November 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101896		
					AD63580	AD63581	AD63582
					BH607	BH608	WT08
					WATER	WATER	WATER
1010	pH	PH	-	U	7	6.7	7.5
1450	Arsenic	7440382	µg l ⁻¹	U	3.5	2.3	3.8
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.4	4.3	1.6
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	5.7	12	21
	Lead	7439921	µg l ⁻¹	U	2.4	1.1	<1
	Selenium	7782492	µg l ⁻¹	U	3.8	2.0	3.3
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	0.2	<0.1

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD63580 to AD63582

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 3 samples
received 14 November 2008

Durham Rd, Newport - F15285

					101896		
					AD63580	AD63581	AD63582
					BH607	BH608	WT08
					WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Ethyl benzene	100414	µg l ⁻¹	U	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	U	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD63580 to AD63582

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 3 samples
received 14 November 2008

Durham Rd, Newport - F15285

					101896		
					AD63580	AD63581	AD63582
					BH607	BH608	WT08
					WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD63580 to AD63582

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christian Wilkinson
20 November 2008

Dear Christian Wilkinson

Test Report Number 101897
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 14 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101897 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 3 samples
received 14 November 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101897		
					AD63583	AD63584	AD63585
					BH601	BH602	BH603
					WATER	WATER	WATER
1010	pH	PH	-	U	7.5	6.8	7
1450	Arsenic	7440382	µg l ⁻¹	U	2.8	2.8	6.2
	Cadmium	7440439	µg l ⁻¹	U	0.57	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	2.5	3.3	2.0
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	17	13	13
	Lead	7439921	µg l ⁻¹	U	29	3.3	<1
	Selenium	7782492	µg l ⁻¹	U	4.5	3.6	13
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD63583 to AD63585

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 14 November 2008

Durham Rd, Newport - F15285



Report Date
20 November 2008

					101897		
					AD63583	AD63584	AD63585
					BH601	BH602	BH603
					WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Ethyl benzene	100414	µg l ⁻¹	U	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	U	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD63583 to AD63585

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
20 November 2008

Results of analysis of 3 samples
received 14 November 2008

Durham Rd, Newport - F15285

					101897		
					AD63583	AD63584	AD63585
					BH601	BH602	BH603
					WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Nov-2008 and 20-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD63583 to AD63585

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
27 November 2008

Dear C Wilkinson

Test Report Number **101950**
Your Project Reference **Durham Rd, Newport - F15285**

Please find enclosed the results of analysis for the samples received 21 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101950 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
27 November 2008

Dear C Wilkinson

Test Report Number 101951
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 21 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101951 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101951		
					AD65586	AD65587	AD65588
1010	pH	PH	-	U	BH604	BH604A	BH606
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.1	7.3	7.4
	Cadmium	7440439	µg l ⁻¹	U	<1	7.5	3.5
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	4.0	13	4.3
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	9.5	3.1	7.7
	Selenium	7782492	µg l ⁻¹	U	<1	<1	11
1673	TPH >C6-C10		µg l ⁻¹	U	3.4	5.5	2.2
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD65586 to AD65588

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285



Report Date
27 November 2008

					101951		
					AD65586	AD65587	AD65588
					BH604	BH604A	BH606
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD65586 to AD65588

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285

					101951		
					AD65586	AD65587	AD65588
					BH604	BH604A	BH606
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD65586 to AD65588

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
27 November 2008

Dear C Wilkinson

Test Report Number 101952
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 21 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101952 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101952		
					AD65608	AD65609	AD65610
					BH601	BH602	BH603
					WATER	WATER	WATER
1010	pH	PH	-	U	7	6.8	7
1450	Arsenic	7440382	µg l ⁻¹	U	2.3	2.3	7.4
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	4.0	4.4	3.5
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	17	10	12
	Lead	7439921	µg l ⁻¹	U	7.2	1.0	<1
	Selenium	7782492	µg l ⁻¹	U	3.2	1.3	8.0
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD65608 to AD65610

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285



Report Date
27 November 2008

					101952		
					AD65608	AD65609	AD65610
					BH601	BH602	BH603
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD65608 to AD65610

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285

					101952		
					AD65608	AD65609	AD65610
					BH601	BH602	BH603
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD65608 to AD65610

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
27 November 2008

Dear C Wilkinson

Test Report Number 101952
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 21 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101952 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101953		
					AD65611	AD65612	AD65613
					BH606A	BH607	BH608
					WATER	WATER	WATER
1010	pH	PH	-	U	7	7	6.7
1450	Arsenic	7440382	µg l ⁻¹	U	8.1	3.9	2.8
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	7.8	4.2	6.1
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	2.8	6.1	10
	Lead	7439921	µg l ⁻¹	U	<1	2.4	1.5
	Selenium	7782492	µg l ⁻¹	U	3.1	2.5	<1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD65611 to AD65613

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285



Report Date
27 November 2008

					101953		
					AD65611	AD65612	AD65613
					BH606A	BH607	BH608
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD65611 to AD65613

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 3 samples
received 21 November 2008

Durham Rd, Newport - F15285

					101953		
					AD65611	AD65612	AD65613
					BH606A	BH607	BH608
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD65611 to AD65613

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christian Wilkinson
10 December 2008

Dear Christian Wilkinson

Test Report Number 102071
Your Project Reference Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 4 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102071 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 8 samples
received 04 December 2008

Durham Rd, Newport



Report Date
10 December 2008

Login Batch No					102071							
Chemtest LIMS ID					AD68640	AD68641	AD68642	AD68643	AD68644	AD68645	AD68646	AD68647
Sample ID					BH606A	BH607	BH608	BH604	BH604A	BH606	BH601	BH602
Sample No												
Depth												
Matrix					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*								
1010	pH	PH	-	U	7.3	7.2	6.9	7.2	7.4	7.4	7.1	7
1450	Arsenic	7440382	µg l ⁻¹	U	5.3	3.0	2.0	<1	6.4	2.4	2.2	1.7
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	10	4.0	4.6	4.2	11	3.7	4.6	4.4
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	3.7	7.4	14	12	3.4	6.8	17	11
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	<1	<1	1.7	8.9	1.1
	Selenium	7782492	µg l ⁻¹	U	4.0	2.0	<1	2.8	5.3	1.6	1.9	<1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1

All tests undertaken between 05-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 8 samples
received 04 December 2008

Durham Rd, Newport



Report Date
10 December 2008

					102071							
					AD68640	AD68641	AD68642	AD68643	AD68644	AD68645	AD68646	AD68647
					BH606A	BH607	BH608	BH604	BH604A	BH606	BH601	BH602
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 05-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD68640 to AD68647

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 8 samples
received 04 December 2008

Durham Rd, Newport



Report Date
10 December 2008

					102071							
					AD68640	AD68641	AD68642	AD68643	AD68644	AD68645	AD68646	AD68647
					BH606A	BH607	BH608	BH604	BH604A	BH606	BH601	BH602
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 05-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD68640 to AD68647

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
10 December 2008

Dear Christian Wilkinson

Test Report Number 102085
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 5 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 2 samples
received 05 December 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					102085	
					AD69015	AD69016
					BH601	BH602
					WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*		
1010	pH	PH	-	U	5.6	5.5
1450	Arsenic	7440382	µg l ⁻¹	U	2.2	4.1
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.3	4.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	18	12
	Lead	7439921	µg l ⁻¹	U	9.6	1.9
	Selenium	7782492	µg l ⁻¹	U	1.5	1.2
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD69015 to AD69016

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 2 samples
received 05 December 2008

Durham Rd, Newport - F15285

FAO Christian Wilkinson

					102085	
					AD69015	AD69016
					BH601	BH602
					WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD69015 to AD69016

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 2 samples
received 05 December 2008

Durham Rd, Newport - F15285

					102085	
					AD69015	AD69016
					BH601	BH602
					WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD69015 to AD69016

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christian Wilkinson
11 December 2008

Dear Christian Wilkinson

Test Report Number 102087
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 5 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102087 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 2 samples
received 05 December 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102087	
1010	pH	PH	-	U	7.2	7.1
1450	Arsenic	7440382	µg l ⁻¹	U	1.5	4.2
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.4	6.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	10	5.2
	Lead	7439921	µg l ⁻¹	U	<1	<1
	Selenium	7782492	µg l ⁻¹	U	3.2	4.0
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD69026 to AD69027

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 2 samples
received 05 December 2008

Durham Rd, Newport - F15285



Report Date
11 December 2008

					102087	
					AD69026	AD69027
					BH604	BH604A
					WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD69026 to AD69027

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 2 samples
received 05 December 2008

Durham Rd, Newport - F15285

					102087	
					AD69026	AD69027
					BH604	BH604A
					WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD69026 to AD69027

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
11 December 2008

Dear Christian Wilkinson

Test Report Number 102088
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 5 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102088 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 3 samples
received 05 December 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102088		
1010	pH	PH	-	U	AD69028	AD69029	AD69030
					BH606A	BH607	BH608
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.4	7.5	7
	Cadmium	7440439	µg l ⁻¹	U	17	2.0	2.5
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	3.1	<1	<1
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	3.3	4.6	10
	Selenium	7782492	µg l ⁻¹	U	1.4	12	1.0
					3.5	<1	1.0
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<1	<1	<1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD69028 to AD69030

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 3 samples
received 05 December 2008

Durham Rd, Newport - F15285

					102088		
					AD69028	AD69029	AD69030
					BH606A	BH607	BH608
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD69028 to AD69030

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
11 December 2008

Results of analysis of 3 samples
received 05 December 2008

Durham Rd, Newport - F15285

					102088		
					AD69028	AD69029	AD69030
					BH606A	BH607	BH608
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 08-Dec-2008 and 10-Dec-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD69028 to AD69030

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 3 samples
received 23 December 2008

F15285 - Durham Road, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102153		
					AD70715	AD70716	AD70717
1010	pH	PH	-	U	BH601	BH602	BH604
1450	Arsenic	7440382	µg l ⁻¹	U			
	Cadmium	7440439	µg l ⁻¹	U			
	Chromium (total)	7440473	µg l ⁻¹	U			
	Mercury	7439976	µg l ⁻¹	U			
	Nickel	7440020	µg l ⁻¹	U			
	Lead	7439921	µg l ⁻¹	U			
	Selenium	7782492	µg l ⁻¹	U			
1673	TPH >C6-C10		µg l ⁻¹	U			
	TPH >C10-C21		µg l ⁻¹	U			
	TPH >C21-C40		µg l ⁻¹	U			
	TPH (Aqueous Phase)		µg l ⁻¹	U			
1700	Naphthalene	91203	µg l ⁻¹	N			
	Acenaphthylene	208968	µg l ⁻¹	N			
	Acenaphthene	83329	µg l ⁻¹	N			
	Fluorene	86737	µg l ⁻¹	N			
	Phenanthrene	85018	µg l ⁻¹	N			
	Anthracene	120127	µg l ⁻¹	N			
	Fluoranthene	206440	µg l ⁻¹	N			
	Pyrene	129000	µg l ⁻¹	N			
	Benzo[a]anthracene	56553	µg l ⁻¹	N			
	Chrysene	218019	µg l ⁻¹	N			
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N			
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N			
	Benzo[a]pyrene	50328	µg l ⁻¹	N			
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N			
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N			
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N			
	Total (of 16) PAHs		µg l ⁻¹	N			
1760	Benzene	71432	µg l ⁻¹	U			
	Toluene	108883	µg l ⁻¹	U			

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD70715 to AD70717

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 3 samples
received 23 December 2008

FAO Christian Wilkinson

F15285 - Durham Road, Newport

					102153		
					AD70715	AD70716	AD70717
					BH601	BH602	BH604
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD70715 to AD70717

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 3 samples
received 23 December 2008

F15285 - Durham Road, Newport

					102153		
					AD70715	AD70716	AD70717
					BH601	BH602	BH604
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 4 samples
received 23 December 2008

F15285 - Durham Road, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					102154			
					AD70719	AD70720	AD70721	AD70722
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.4	7.0	7.1	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	3.3	2.2	11	7.8
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	4.8	10	11	14
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	6.5	11	2.7	2.7
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	3.2	1.9	3.7	5.8
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1	<1

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD70719 to AD70722

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 23 December 2008

F15285 - Durham Road, Newport



Report Date
06 January 2009

					102154			
					AD70719	AD70720	AD70721	AD70722
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD70719 to AD70722

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 23 December 2008

F15285 - Durham Road, Newport



Report Date
06 January 2009

					102154			
					AD70719	AD70720	AD70721	AD70722
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr S Kirk

Test Report Number: R08/1638

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	26/09/08
Reporting Date:	Thursday 30 October, 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dry mass basis. Assisted drying carried out @ 40°C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40°C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of EC&S Environmental Limited

Approved signatories:

Name	Position
J R Brown	Business Development Manager
L Dewell	Production Manager
J Stoddart	Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	07/10/2008
Phenols	HPLC-EC	R	0.5 ug/l	No	06/10/2008
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	10/10/2008
Naphthalene	GC-MS	R	0.02 ug/l	No	10/10/2008
Acenaphthylene	GC-MS	R	0.02 ug/l	No	10/10/2008
Acenaphthene	GC-MS	R	0.02 ug/l	No	10/10/2008
Fluorene	GC-MS	R	0.02 ug/l	No	10/10/2008
Phenanthrene	GC-MS	R	0.02 ug/l	No	10/10/2008
Anthracene	GC-MS	R	0.02 ug/l	No	10/10/2008
Fluoranthene	GC-MS	R	0.02 ug/l	No	10/10/2008
Pyrene	GC-MS	R	0.02 ug/l	No	10/10/2008
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	10/10/2008
Chrysene	GC-MS	R	0.01 ug/l	No	10/10/2008
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	10/10/2008
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	10/10/2008
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	10/10/2008
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	10/10/2008
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	10/10/2008
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	10/10/2008
Arsenic	ICP-MS	R	0.2 ug/l	No	03/10/2008
Cadmium	ICP-MS	R	0.01 ug/l	No	03/10/2008
Chromium	ICP-MS	R	0.07 ug/l	No	03/10/2008
Lead	ICP-MS	R	0.2 ug/l	No	03/10/2008
Mercury	ICP-MS	R	0.02 ug/l	No	03/10/2008
Nickel	ICP-MS	R	0.5 ug/l	No	03/10/2008
Selenium	ICP-MS	R	0.5 ug/l	No	03/10/2008
Benzene	HS-GC-MS	R	1 ug/l	No	30/10/2008
Toluene	HS-GC-MS	R	1 ug/l	No	30/10/2008
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	30/10/2008
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	30/10/2008
o-Xylene	HS-GC-MS	R	1 ug/l	No	30/10/2008
TPH	GC-FID	R	0.05 mg/l	No	07/10/2008
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	07/10/2008
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	07/10/2008
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	07/10/2008
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	07/10/2008
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	07/10/2008
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	07/10/2008
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	07/10/2008
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	07/10/2008
Polychlorinated biphenyl BZ#101	GC-MS (HR)	R	0.005 ug/l	Yes	08/10/2008
Polychlorinated biphenyl BZ#118	GC-MS (HR)	R	0.005 ug/l	Yes	08/10/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#138	GC-MS (HR)	R	0.005 ug/l	Yes	08/10/2008
Polychlorinated biphenyl BZ#153	GC-MS (HR)	R	0.005 ug/l	Yes	08/10/2008
Polychlorinated biphenyl BZ#180	GC-MS (HR)	R	0.005 ug/l	Yes	08/10/2008
Polychlorinated biphenyl BZ#28	GC-MS (HR)	R	0.005 ug/l	Yes	08/10/2008
Polychlorinated biphenyl BZ#52	GC-MS (HR)	R	0.005 ug/l	Yes	08/10/2008



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		26/09/08	26/09/08	26/09/08	26/09/08	26/09/08
EC&S Sample ID		S0810537	S0810538	S0810539	S0810540	S0810541
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.5	7.3	7.8	7.5	8.0
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	<0.02	<0.02	0.10	0.051
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	0.05
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.5 ^U	1.1 ^U	2.9 ^U	0.4 ^U	8.5 ^U
Cadmium	ug/l	0.32 ^U	0.35 ^U	0.13 ^U	0.13 ^U	0.04 ^U
Chromium	ug/l	1.98 ^U	3.43 ^U	1.77 ^U	2.50 ^U	12.48 ^U
Lead	ug/l	1.9 ^U	0.8 ^U	<0.2 ^U	0.3 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	8.9 ^U	9.7 ^U	6.9 ^U	5.6 ^U	1.3 ^U
Selenium	ug/l	1.5 ^U	0.6 ^U	2.2 ^U	2.3 ^U	0.6 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Sample Location		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		26/09/08	26/09/08	26/09/08	26/09/08	26/09/08
EC&S Sample ID		S0810537	S0810538	S0810539	S0810540	S0810541
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Sample Location		BH606	BH606A	BH607	BH608	WT02
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		26/09/08	26/09/08	26/09/08	26/09/08	26/09/08
EC&S Sample ID		S0810542	S0810543	S0810544	S0810545	S0810546
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.6	7.6	7.5	7.3	7.7
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.20	<0.02	<0.02	0.60	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	0.16	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	0.33	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	0.07	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.05	<0.02	<0.02	0.03	<0.02
Pyrene	ug/l	0.05	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.03	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.3 ^U	3.4 ^U	3.9 ^U	0.8 ^U	7.1 ^U
Cadmium	ug/l	0.37 ^U	0.01 ^U	0.15 ^U	0.08 ^U	0.02 ^U
Chromium	ug/l	2.85 ^U	10.55 ^U	3.02 ^U	3.26 ^U	2.30 ^U
Lead	ug/l	0.4 ^U	<0.2 ^U	0.4 ^U	0.2 ^U	1.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	7.0 ^U	0.9 ^U	2.4 ^U	3.7 ^U	12.1 ^U
Selenium	ug/l	0.7 ^U	<0.5 ^U	1.6 ^U	<0.5 ^U	0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Sample Location		BH606	BH606A	BH607	BH608	WT02
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled						
Receipt Date		26/09/08	26/09/08	26/09/08	26/09/08	26/09/08
EC&S Sample ID		S0810542	S0810543	S0810544	S0810545	S0810546
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	ug/l	<0.005	<0.005	<0.005	<0.005	0.007
Polychlorinated biphenyl BZ#118	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	ug/l	<0.005	<0.005	<0.005	<0.005	0.006
Polychlorinated biphenyl BZ#138	ug/l	<0.005	<0.005	<0.005	<0.005	0.01
Polychlorinated biphenyl BZ#180	ug/l	<0.005	<0.005	<0.005	<0.005	<0.005



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Sample Location		SM01	SM02
Top Depth / m			
Bottom Depth / m			
Sample No.			
Sample Type			
Date Sampled			
Receipt Date		26/09/08	26/09/08
EC&S Sample ID		S0810547	S0810548
Matrix Type		Ground Water	Ground Water
Determinand	Units		
pH	N/A	8.1	7.5
Phenols	ug/l	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	0.36
Naphthalene	ug/l	<0.02	0.02
Acenaphthylene	ug/l	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02
Fluorene	ug/l	<0.02	0.02
Phenanthrene	ug/l	<0.02	0.07
Anthracene	ug/l	<0.02	<0.02
Fluoranthene	ug/l	<0.02	0.09
Pyrene	ug/l	<0.02	0.07
Benzo(a)anthracene	ug/l	<0.01	0.01
Chrysene	ug/l	<0.01	0.05
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01
Arsenic	ug/l	1.4 ^U	2.0 ^U
Cadmium	ug/l	0.01 ^U	<0.01 ^U
Chromium	ug/l	1.30 ^U	2.22 ^U
Lead	ug/l	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U
Nickel	ug/l	1.4 ^U	1.6 ^U
Selenium	ug/l	1.1 ^U	1.1 ^U
Benzene	ug/l	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 30 October, 2008

Sample Location	SM01	SM02
Top Depth / m		
Bottom Depth / m		
Sample No.		
Sample Type		
Date Sampled		
Receipt Date	26/09/08	26/09/08
EC&S Sample ID	S0810547	S0810548
Matrix Type	Ground Water	Ground Water

Determinand	Units		
TPH EC16-EC21	mg/l	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005	<0.005
Polychlorinated biphenyl BZ#52	ug/l	<0.005	<0.005
Polychlorinated biphenyl BZ#101	ug/l	<0.005	<0.005
Polychlorinated biphenyl BZ#118	ug/l	<0.005	<0.005
Polychlorinated biphenyl BZ#153	ug/l	<0.005	<0.005
Polychlorinated biphenyl BZ#138	ug/l	<0.005	<0.005
Polychlorinated biphenyl BZ#180	ug/l	<0.005	<0.005



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Thursday 30 October, 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
07 January 2009

Dear Christian Wilkinson

Test Report Number 102223
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 19 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102223 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102223		
					AD72387	AD72388	AD72389
1010	pH	PH	-	U	BH601	BH602	BH604
1450	Arsenic	7440382	µg l ⁻¹	U			
	Cadmium	7440439	µg l ⁻¹	U			
	Chromium (total)	7440473	µg l ⁻¹	U			
	Mercury	7439976	µg l ⁻¹	U			
	Nickel	7440020	µg l ⁻¹	U			
	Lead	7439921	µg l ⁻¹	U			
	Selenium	7782492	µg l ⁻¹	U			
1673	TPH >C6-C10		µg l ⁻¹	U			
	TPH >C10-C21		µg l ⁻¹	U			
	TPH >C21-C40		µg l ⁻¹	U			
	TPH (Aqueous Phase)		µg l ⁻¹	U			
1700	Naphthalene	91203	µg l ⁻¹	N			
	Acenaphthylene	208968	µg l ⁻¹	N			
	Acenaphthene	83329	µg l ⁻¹	N			
	Fluorene	86737	µg l ⁻¹	N			
	Phenanthrene	85018	µg l ⁻¹	N			
	Anthracene	120127	µg l ⁻¹	N			
	Fluoranthene	206440	µg l ⁻¹	N			
	Pyrene	129000	µg l ⁻¹	N			
	Benzo[a]anthracene	56553	µg l ⁻¹	N			
	Chrysene	218019	µg l ⁻¹	N			
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N			
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N			
	Benzo[a]pyrene	50328	µg l ⁻¹	N			
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N			
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N			
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N			
	Total (of 16) PAHs		µg l ⁻¹	N			
1760	Benzene	71432	µg l ⁻¹	U			
	Toluene	108883	µg l ⁻¹	U			

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD72387 to AD72389

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

					102223		
					AD72387	AD72388	AD72389
					BH601	BH602	BH604
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD72387 to AD72389

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

					102223		
					AD72387	AD72388	AD72389
					BH601	BH602	BH604
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
07 January 2009

Dear Christian Wilkinson

Test Report Number 102224

Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 19 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102224 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102224		
					AD72390	AD72391	AD72392
1010	pH	PH	-	U	6.7	7.5	7.2
1450	Arsenic	7440382	µg l ⁻¹	U	2.5	1.3	1.5
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	9.5	3.6	3.7
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	9.3	2.8	3.2
	Lead	7439921	µg l ⁻¹	U	2.1	<1	1.2
	Selenium	7782492	µg l ⁻¹	U	1.4	1.9	2.0
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	0.55	1.5	0.88
	Acenaphthylene	208968	µg l ⁻¹	N	0.86	0.058	0.42
	Acenaphthene	83329	µg l ⁻¹	N	4.5	1.6	2.3
	Fluorene	86737	µg l ⁻¹	N	<0.01	0.018	0.027
	Phenanthrene	85018	µg l ⁻¹	N	0.59	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	0.27	1.2	0.92
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	6.775	4.376	4.547
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD72390 to AD72392

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

					102224		
					AD72390	AD72391	AD72392
					BH608	SM01	SM02
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD72390 to AD72392

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

					102224		
					AD72390	AD72391	AD72392
					BH608	SM01	SM02
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD72390 to AD72392

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christian Wilkinson
07 January 2009

Dear Christian Wilkinson

Test Report Number 102246
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 19 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102246 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102246		
1010	pH	PH	-	U	AD72695	AD72696	AD72697
					604a	606a	607
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	6.9	6.8	7.1
	Cadmium	7440439	µg l ⁻¹	U	1.9	15	2.3
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	6.8	9.7	4.8
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	4.7	3.4	6.4
	Selenium	7782492	µg l ⁻¹	U	<1	<1	3.0
1673	TPH >C6-C10		µg l ⁻¹	U	1.5	3.4	2.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	4.9	2.8	3.1
	Acenaphthylene	208968	µg l ⁻¹	N	0.25	0.42	0.16
	Acenaphthene	83329	µg l ⁻¹	N	0.24	0.053	<0.01
	Fluorene	86737	µg l ⁻¹	N	0.032	<0.01	0.085
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	0.38	0.089
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	5.422	3.654	3.434
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 24-Sep-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD72695 to AD72697

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

Report Date
07 January 2009

					102246		
					AD72695	AD72696	AD72697
					604a	606a	607
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Sep-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD72695 to AD72697

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

					102246		
					AD72695	AD72696	AD72697
					604a	606a	607
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 24-Sep-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD72695 to AD72697

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
06 January 2009

Dear Christian Wilkinson

Test Report Number 102153
Your Project Reference F15285 - Durham Road, Newport

Please find enclosed the results of analysis for the samples received 23 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102153 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 3 samples
received 23 December 2008

F15285 - Durham Road, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102153		
					AD70715	AD70716	AD70717
1010	pH	PH	-	U	BH601	BH602	BH604
1450	Arsenic	7440382	µg l ⁻¹	U			
	Cadmium	7440439	µg l ⁻¹	U			
	Chromium (total)	7440473	µg l ⁻¹	U			
	Mercury	7439976	µg l ⁻¹	U			
	Nickel	7440020	µg l ⁻¹	U			
	Lead	7439921	µg l ⁻¹	U			
	Selenium	7782492	µg l ⁻¹	U			
1673	TPH >C6-C10		µg l ⁻¹	U			
	TPH >C10-C21		µg l ⁻¹	U			
	TPH >C21-C40		µg l ⁻¹	U			
	TPH (Aqueous Phase)		µg l ⁻¹	U			
1700	Naphthalene	91203	µg l ⁻¹	N			
	Acenaphthylene	208968	µg l ⁻¹	N			
	Acenaphthene	83329	µg l ⁻¹	N			
	Fluorene	86737	µg l ⁻¹	N			
	Phenanthrene	85018	µg l ⁻¹	N			
	Anthracene	120127	µg l ⁻¹	N			
	Fluoranthene	206440	µg l ⁻¹	N			
	Pyrene	129000	µg l ⁻¹	N			
	Benzo[a]anthracene	56553	µg l ⁻¹	N			
	Chrysene	218019	µg l ⁻¹	N			
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N			
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N			
	Benzo[a]pyrene	50328	µg l ⁻¹	N			
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N			
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N			
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N			
	Total (of 16) PAHs		µg l ⁻¹	N			
1760	Benzene	71432	µg l ⁻¹	U			
	Toluene	108883	µg l ⁻¹	U			

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD70715 to AD70717

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 3 samples
received 23 December 2008

FAO Christian Wilkinson

F15285 - Durham Road, Newport

					102153		
					AD70715	AD70716	AD70717
					BH601	BH602	BH604
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD70715 to AD70717

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 3 samples
received 23 December 2008

F15285 - Durham Road, Newport

					102153		
					AD70715	AD70716	AD70717
					BH601	BH602	BH604
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD70715 to AD70717

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
06 January 2009

Dear Christian Wilkinson

Test Report Number 102154
Your Project Reference F15285 - Durham Road, Newport

Please find enclosed the results of analysis for the samples received 23 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102154 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
06 January 2009

Results of analysis of 4 samples
received 23 December 2008

F15285 - Durham Road, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					102154			
					AD70719	AD70720	AD70721	AD70722
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.4	7.0	7.1	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	3.3	2.2	11	7.8
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	4.8	10	11	14
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	6.5	11	2.7	2.7
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	3.2	1.9	3.7	5.8
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1	<1

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD70719 to AD70722

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 23 December 2008

F15285 - Durham Road, Newport



Report Date
06 January 2009

					102154			
					AD70719	AD70720	AD70721	AD70722
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 23-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD70719 to AD70722

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 23 December 2008

F15285 - Durham Road, Newport



Report Date
06 January 2009

					102154			
					AD70719	AD70720	AD70721	AD70722
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
13 January 2009

Dear Christian Wilkinson

Test Report Number 48963
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 9 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 48963 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
13 January 2009

Results of analysis of 3 samples
received 09 January 2009

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	48963		
1010	pH	PH	-	U	AD74206	AD74207	AD74208
					BH606A	BH604A	BH602
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.2	7.0	6.9
	Cadmium	7440439	µg l ⁻¹	U	9.1	1.9	2.5
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	5.9	5.0	3.6
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	3.7	4.6	7.3
	Selenium	7782492	µg l ⁻¹	U	<1	<1	<1
1673	TPH >C6-C10		µg l ⁻¹	U	2.1	1.5	1.2
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 09-Jan-2009 and 13-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD74206 to AD74208

LABORATORY TEST REPORT

Report Date
13 January 2009

Results of analysis of 3 samples
received 09 January 2009

F15285 - Durham Rd, Newport

					48963		
					AD74206	AD74207	AD74208
					BH606A	BH604A	BH602
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 09-Jan-2009 and 13-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD74206 to AD74208

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
13 January 2009

Results of analysis of 3 samples
received 09 January 2009

F15285 - Durham Rd, Newport

					48963		
					AD74206	AD74207	AD74208
					BH606A	BH604A	BH602
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 09-Jan-2009 and 13-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD74206 to AD74208

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
13 January 2009

Dear Christian Wilkinson

Test Report Number 102309
Your Project Reference F15285 - Durham Road, Newport

Please find enclosed the results of analysis for the samples received 24 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102309 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
13 January 2009

Results of analysis of 6 samples
received 24 December 2008

F15285 - Durham Road, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					102309					
SOP↓	Determinand↓	CAS No↓	Units↓	*	AD73324	AD73325	AD73326	AD73327	AD73328	AD73329
1010	pH	PH	-	U	BH602	BH603	BH604	BH604A	BH606A	BH608
					WATER	WATER	WATER	WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.0	7.2	7.2	6.9	6.9	7.1
	Cadmium	7440439	µg l ⁻¹	U	1.9	1.5	1.1	1.8	2.2	4.6
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	7.0	6.2	5.6	10	8.2	8.9
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	10	4.8	12	15	6.1	4.9
	Selenium	7782492	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
1673	TPH >C6-C10		µg l ⁻¹	U	1.8	1.3	2.9	1.9	2.3	2.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1	0.3	0.3	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1

All tests undertaken between 29-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD73324 to AD73329

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
13 January 2009

Results of analysis of 6 samples
received 24 December 2008

F15285 - Durham Road, Newport

					102309					
					AD73324	AD73325	AD73326	AD73327	AD73328	AD73329
					BH602	BH603	BH604	BH604A	BH606A	BH608
					WATER	WATER	WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 29-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD73324 to AD73329

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
13 January 2009

Results of analysis of 6 samples
received 24 December 2008

F15285 - Durham Road, Newport

					102309					
					AD73324	AD73325	AD73326	AD73327	AD73328	AD73329
					BH602	BH603	BH604	BH604A	BH606A	BH608
					WATER	WATER	WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
26 January 2009

Dear Christian Wilkinson

Test Report Number **102377**
Your Project Reference **F15285 Durham Rd, Newport**

Please find enclosed the results of analysis for the samples received 16 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102377 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102377		
					AD75684	AD75685	AD75686
1010	pH	PH	-	U	BH601	BH602	BH604
1450	Arsenic	7440382	µg l ⁻¹	U			
	Cadmium	7440439	µg l ⁻¹	U			
	Chromium (total)	7440473	µg l ⁻¹	U			
	Mercury	7439976	µg l ⁻¹	U			
	Nickel	7440020	µg l ⁻¹	U			
	Lead	7439921	µg l ⁻¹	U			
	Selenium	7782492	µg l ⁻¹	U			
1673	TPH >C6-C10		µg l ⁻¹	U			
	TPH >C10-C21		µg l ⁻¹	U			
	TPH >C21-C40		µg l ⁻¹	U			
	TPH (Aqueous Phase)		µg l ⁻¹	U			
1700	Naphthalene	91203	µg l ⁻¹	N			
	Acenaphthylene	208968	µg l ⁻¹	N			
	Acenaphthene	83329	µg l ⁻¹	N			
	Fluorene	86737	µg l ⁻¹	N			
	Phenanthrene	85018	µg l ⁻¹	N			
	Anthracene	120127	µg l ⁻¹	N			
	Fluoranthene	206440	µg l ⁻¹	N			
	Pyrene	129000	µg l ⁻¹	N			
	Benzo[a]anthracene	56553	µg l ⁻¹	N			
	Chrysene	218019	µg l ⁻¹	N			
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N			
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N			
	Benzo[a]pyrene	50328	µg l ⁻¹	N			
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N			
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N			
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N			
	Total (of 16) PAHs		µg l ⁻¹	N			
1760	Benzene	71432	µg l ⁻¹	U			
	Toluene	108883	µg l ⁻¹	U			

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD75684 to AD75686

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

FAO Christian Wilkinson

					102377		
					AD75684	AD75685	AD75686
					BH601	BH602	BH604
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD75684 to AD75686

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport



Report Date
26 January 2009

					102377		
					AD75684	AD75685	AD75686
					BH601	BH602	BH604
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD75684 to AD75686

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
26 January 2009

Dear Christian Wilkinson

Test Report Number 102378

Your Project Reference F15285 Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 16 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102378		
					AD75687	AD75688	AD75689
					BH604A	BH606A	BH607
					WATER	WATER	WATER
1010	pH	PH	-	U	7.5	7.1	7.4
1450	Arsenic	7440382	µg l ⁻¹	U	6.0	9.5	2.4
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	13	7.2	3.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	3.0	2.8	6.2
	Lead	7439921	µg l ⁻¹	U	<1	<1	6.0
	Selenium	7782492	µg l ⁻¹	U	6.6	2.8	2.4
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD75687 to AD75689

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

Report Date
26 January 2009

					102378		
					AD75687	AD75688	AD75689
					BH604A	BH606A	BH607
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD75687 to AD75689

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport



Report Date
26 January 2009

					102378		
					AD75687	AD75688	AD75689
					BH604A	BH606A	BH607
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD75687 to AD75689

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
26 January 2009

Dear Christian Wilkinson

Test Report Number 102379
Your Project Reference F15285 Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 16 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102379 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102379		
					AD75697	AD75698	AD75699
1010	pH	PH	-	U	6.9	7.6	7.5
1450	Arsenic	7440382	µg l ⁻¹	U	<1	1.7	1.9
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.2	2.4	2.4
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	7.6	2.9	3.4
	Lead	7439921	µg l ⁻¹	U	<1	<1	1.5
	Selenium	7782492	µg l ⁻¹	U	<1	2.0	1.9
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	0.50	0.13	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD75697 to AD75699

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

					102379		
					AD75697	AD75698	AD75699
					BH608	SM01	SM02
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD75697 to AD75699

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

					102379		
					AD75697	AD75698	AD75699
					BH608	SM01	SM02
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD75697 to AD75699

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christian Wilkinson
02 February 2009

Dear Christian Wilkinson

Test Report Number 102435
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 23 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102435 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
02 February 2009

Results of analysis of 3 samples
received 23 January 2009

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102435		
					AD77031	AD77032	AD77033
1010	pH	PH	-	U	BH604A	BH606A	BH608
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.5	7.2	6.8
	Cadmium	7440439	µg l ⁻¹	U	5.7	12	2.2
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	40	20	19
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	1.5	<1	9.4
	Selenium	7782492	µg l ⁻¹	U	<1	<1	4.8
1673	TPH >C6-C10		µg l ⁻¹	U	5.8	2.3	2.6
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 26-Jan-2009 and 29-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD77031 to AD77033

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 23 January 2009

FAO Christian Wilkinson

F15285 - Durham Rd, Newport

					102435		
					AD77031	AD77032	AD77033
					BH604A	BH606A	BH608
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 26-Jan-2009 and 29-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD77031 to AD77033

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
02 February 2009

Results of analysis of 3 samples
received 23 January 2009

F15285 - Durham Rd, Newport

					102435		
					AD77031	AD77032	AD77033
					BH604A	BH606A	BH608
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 26-Jan-2009 and 29-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD77031 to AD77033

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
02 February 2009

Dear Christiaan Wilkinson

Test Report Number 102436
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 23 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102436 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
02 February 2009

Results of analysis of 3 samples
received 23 January 2009

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102436		
1010	pH	PH	-	U	AD77034	AD77035	AD77036
					BH601	BH602	BH604
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.1	6.9	7.1
	Cadmium	7440439	µg l ⁻¹	U	2.5	3.7	<1
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	16	21	1.7
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	12	7.8	7.8
	Selenium	7782492	µg l ⁻¹	U	9.8	2.1	1.5
1673	TPH >C6-C10		µg l ⁻¹	U	6.0	3.2	4.5
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 26-Jan-2009 and 28-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD77034 to AD77036

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 23 January 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

					102436		
					AD77034	AD77035	AD77036
					BH601	BH602	BH604
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 26-Jan-2009 and 28-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD77034 to AD77036

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
02 February 2009

Results of analysis of 3 samples
received 23 January 2009

F15285 - Durham Rd, Newport

					102436		
					AD77034	AD77035	AD77036
					BH601	BH602	BH604
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 26-Jan-2009 and 28-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD77034 to AD77036

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
09 February 2009

Dear Christiaan Wilkinson

Test Report Number 75349
Your Project Reference Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 30 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 75349 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
09 February 2009

Results of analysis of 4 samples
received 30 January 2009

Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					75349			
					AD78649	AD78650	AD78651	AD78652
					BH601	BH602	BH603	BH604
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.0	7.0	7.0	7.0
1450	Arsenic	7440382	µg l ⁻¹	U	2.0	2.7	6.1	1.4
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	4.3	3.5	6.1	4.3
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	13	12	5.8	12
	Lead	7439921	µg l ⁻¹	U	6.8	2.5	25	8.2
	Selenium	7782492	µg l ⁻¹	U	5.6	3.2	2.6	5.8
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 02-Feb-2009 and 5-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD78649 to AD78652

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
09 February 2009

Results of analysis of 4 samples
received 30 January 2009

FAO Christiaan Wilkinson

Durham Rd, Newport

					75349			
					AD78649	AD78650	AD78651	AD78652
					BH601	BH602	BH603	BH604
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Feb-2009 and 5-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD78649 to AD78652

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 30 January 2009

Durham Rd, Newport



Report Date
09 February 2009

					75349			
					AD78649	AD78650	AD78651	AD78652
					BH601	BH602	BH603	BH604
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Feb-2009 and 5-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD78649 to AD78652

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
09 February 2009

Dear C Wilkinson

Test Report Number **75350**
Your Project Reference **Durham Rd, Newport**

Please find enclosed the results of analysis for the samples received 30 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 75350 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 30 January 2009

Durham Rd, Newport



Report Date
09 February 2009

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	75350			
					AD78657	AD78658	AD78659	AD78660
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
1010	pH	PH	-	U	7.4	7.1	7.0	6.7
1450	Arsenic	7440382	µg l ⁻¹	U	5.4	12	3.9	<1
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	11	7.6	5.1	2.3
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	2.8	2.1	5.3	7.9
	Lead	7439921	µg l ⁻¹	U	<1	1.8	4.3	<1
	Selenium	7782492	µg l ⁻¹	U	5.3	2.9	5.5	1.1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 02-Feb-2009 and 5-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD78657 to AD78660

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
09 February 2009

Results of analysis of 4 samples
received 30 January 2009

FAO C Wilkinson

Durham Rd, Newport

					75350			
					AD78657	AD78658	AD78659	AD78660
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Feb-2009 and 5-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD78657 to AD78660

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 30 January 2009

Durham Rd, Newport



Report Date
09 February 2009

					75350			
					AD78657	AD78658	AD78659	AD78660
					BH604A	BH606A	BH607	BH608
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Feb-2009 and 5-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD78657 to AD78660

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Duncan Healey
16 February 2009

Dear Duncan Healey

Test Report Number 93403
Your Project Reference Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 6 February 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 93403 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
16 February 2009

Results of analysis of 6 samples
received 06 February 2009

FAO Duncan Healey

Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓

1010

1450

1673

1700

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

1760

93403

AD79911

AD79912

AD79913

AD79914

AD79915

AD79916

BH602

BH603

BH608

BH606A

BH604A

BH604

1.95m

1.32m

1.47m

4.4m

6.85m

2.45m

WATER

WATER

WATER

WATER

WATER

WATER

Determinand↓

pH

Arsenic

Cadmium

Chromium (total)

Mercury

Nickel

Lead

Selenium

TPH >C6-C10

TPH >C10-C21

TPH >C21-C40

TPH (Aqueous Phase)

Naphthalene

Acenaphthylene

Acenaphthene

Fluorene

Phenanthrene

Anthracene

Fluoranthene

Pyrene

Benzo[a]anthracene

Chrysene

Benzo[b]fluoranthene

Benzo[k]fluoranthene

Benzo[a]pyrene

Dibenzo[a,h]anthracene

Indeno[1,2,3-cd]pyrene

Benzo[g,h,i]perylene

Total (of 16) PAHs

Benzene

Toluene

CAS No↓

PH

7440382

7440439

7440473

7439976

7440020

7439921

7782492

91203

208968

83329

86737

85018

120127

206440

129000

56553

218019

205992

207089

50328

53703

193395

191242

71432

108883

Units↓

-

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

µg l⁻¹

*

U

U

U

U

U

U

U

U

U

U

U

U

U

U

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

N

All tests undertaken between 09-Feb-2009 and 16-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD79911 to AD79916

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
16 February 2009

Results of analysis of 6 samples
received 06 February 2009

FAO Duncan Healey

Durham Rd, Newport

					93403					
					AD79911	AD79912	AD79913	AD79914	AD79915	AD79916
					BH602	BH603	BH608	BH606A	BH604A	BH604
					1.95m	1.32m	1.47m	4.4m	6.85m	2.45m
					WATER	WATER	WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	0.2	0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	0.1	0.6	0.2	0.3	0.2	0.2
	o-Xylene	95476	µg l ⁻¹	N	0.2	0.3	0.2	0.2	0.2	0.2
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 09-Feb-2009 and 16-Feb-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD79911 to AD79916

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Duncan Healey

LABORATORY TEST REPORT

Results of analysis of 6 samples
received 06 February 2009

Durham Rd, Newport



Report Date
16 February 2009

					93403					
					AD79911	AD79912	AD79913	AD79914	AD79915	AD79916
					BH602	BH603	BH608	BH606A	BH604A	BH604
					1.95m	1.32m	1.47m	4.4m	6.85m	2.45m
					WATER	WATER	WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christiaan Wilkinson
24 March 2009

Dear Christiaan Wilkinson

Test Report Number 56887
Your Project Reference F15285 Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 16 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56887 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

FAO Christiaan Wilkinson

F15285 Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					56887			
					AD89249	AD89250	AD89251	AD89252
					BH 601	BH 602	BH 604	BH 604A
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	6.9	6.7	7.0	7.3
1450	Arsenic	7440382	µg l ⁻¹	U	2.3	4.8	1.2	5.0
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.5	7.7	3.1	6.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	14	16	9.8	1.8
	Lead	7439921	µg l ⁻¹	U	6.0	1.1	3.7	<1
	Selenium	7782492	µg l ⁻¹	U	2.2	13	1.2	4.1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	0.9	0.8	0.8	0.6

All tests undertaken between 17-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD89249 to AD89252

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

FAO Christiaan Wilkinson

F15285 Durham Rd, Newport

					56887			
					AD89249	AD89250	AD89251	AD89252
					BH 601	BH 602	BH 604	BH 604A
					WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	N	0.5	0.6	<0.1	<0.1
	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<.1	0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	0.2	0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD89249 to AD89252

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 16 March 2009

F15285 Durham Rd, Newport



Report Date
24 March 2009

					56887			
					AD89249	AD89250	AD89251	AD89252
					BH 601	BH 602	BH 604	BH 604A
					WATER	WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD89249 to AD89252

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
24 March 2009

Dear Christiaan Wilkinson

Test Report Number 56889
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 16 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56889 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					56889			
					AD89366	AD89367	AD89368	AD89369
					BH 604A	BH 606A	BH 607	BH 608
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.4	7.1	6.9	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	6.1	10	3.1	<1
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	14	15	5.5	5.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	3.2	3.0	6.6	8.2
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	12	5.0	2.8	1.4
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	0.3	1.3	1.4	0.5

All tests undertaken between 18-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD89366 to AD89369

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

F15285 - Durham Rd, Newport

FAO Christiaan Wilkinson

					56889			
					AD89366	AD89367	AD89368	AD89369
					BH 604A	BH 606A	BH 607	BH 608
					WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	N	0.4	0.6	0.7	<0.1
	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	0.2	0.2	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	0.2	0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 18-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD89366 to AD89369

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 16 March 2009

F15285 - Durham Rd, Newport



Report Date
24 March 2009

					56889			
					AD89366	AD89367	AD89368	AD89369
					BH 604A	BH 606A	BH 607	BH 608
					WATER	WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 18-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD89366 to AD89369

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christiaan Wilkinson
09 March 2009

Dear Christiaan Wilkinson

Test Report Number 56721
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 27 February 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56721 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
09 March 2009

Results of analysis of 4 samples
received 27 February 2009

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	56721			
					AD84885	AD84886	AD84887	AD84888
1010	pH	PH	-	U	BH601	BH602	BH603	BH604
					WATER	WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.2	7.0	7.4	7.2
	Cadmium	7440439	µg l ⁻¹	U	2.7	3.1	8.2	<1
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	7.9	8.4	8.0	7.1
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	15	12	11	10
	Selenium	7782492	µg l ⁻¹	U	14	1.5	63	4.7
1673	TPH >C6-C10		µg l ⁻¹	U	4.0	4.2	1.9	1.6
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 02-Mar-2009 and 6-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD84885 to AD84888

LABORATORY TEST REPORT

Report Date
09 March 2009

Results of analysis of 4 samples
received 27 February 2009

Durham Rd, Newport - F15285

					56721			
					AD84885	AD84886	AD84887	AD84888
					BH601	BH602	BH603	BH604
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Mar-2009 and 6-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD84885 to AD84888

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 27 February 2009

Durham Rd, Newport - F15285



Report Date
09 March 2009

					56721			
					AD84885	AD84886	AD84887	AD84888
					BH601	BH602	BH603	BH604
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Mar-2009 and 6-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD84885 to AD84888

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
09 March 2009

Dear Christiaan Wilkinson

Test Report Number **56722**
Your Project Reference **Durham Rd, Newport - F15285**

Please find enclosed the results of analysis for the samples received 27 February 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56722 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
09 March 2009

Results of analysis of 4 samples
received 27 February 2009

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					56722			
					AD84928	AD84929	AD84930	AD84931
					BH604	BH604A	BH606A	BH607
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.4	7.1	7.0	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	1.3	5.7	13	4.5
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	10	20	16	10
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	13	5.7	7.1	7.1
	Lead	7439921	µg l ⁻¹	U	9.1	4.3	4.6	3.5
	Selenium	7782492	µg l ⁻¹	U	1.8	5.7	3.3	3.2
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 02-Mar-2009 and 6-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD84928 to AD84931

LABORATORY TEST REPORT

Report Date
09 March 2009

Results of analysis of 4 samples
received 27 February 2009

Durham Rd, Newport - F15285

					56722			
					AD84928	AD84929	AD84930	AD84931
					BH604	BH604A	BH606A	BH607
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Mar-2009 and 6-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD84928 to AD84931

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 27 February 2009

Durham Rd, Newport - F15285



Report Date
09 March 2009

					56722			
					AD84928	AD84929	AD84930	AD84931
					BH604	BH604A	BH606A	BH607
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 02-Mar-2009 and 6-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD84928 to AD84931

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
09 March 2009

Dear Christiaan Wilkinson

Test Report Number 56723
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 27 February 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56723 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
09 March 2009

Results of analysis of 1 sample
received 27 February 2009

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	
1010	pH	PH	-	U	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	<1
	Cadmium	7440439	µg l ⁻¹	U	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	8.4
	Mercury	7439976	µg l ⁻¹	U	<0.5
	Nickel	7440020	µg l ⁻¹	U	7.9
	Lead	7439921	µg l ⁻¹	U	<1
	Selenium	7782492	µg l ⁻¹	U	<1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1

All tests undertaken between 02-Mar-2009 and 9-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD84932 to AD84932

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
09 March 2009

Results of analysis of 1 sample
received 27 February 2009

FAO Christiaan Wilkinson

Durham Rd, Newport - F15285

					56723
					AD84932
					BH608
					WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002

All tests undertaken between 02-Mar-2009 and 9-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD84932 to AD84932

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 1 sample
received 27 February 2009

Durham Rd, Newport - F15285



Report Date
09 March 2009

					56723
					AD84932
					BH608
					WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002

All tests undertaken between 02-Mar-2009 and 9-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD84932 to AD84932

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
16 March 2009

Dear Christiaan Wilkinson

Test Report Number 56800
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 6 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56800 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	56800		
					AD86959	AD86960	AD86961
					BH604	BH604A	BH606A
					WATER	WATER	WATER
1010	pH	PH	-	U	7.2	7.5	7.2
1450	Arsenic	7440382	µg l ⁻¹	U	1.3	4.9	15
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	38	12	7.7
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	13	2.9	3.2
	Lead	7439921	µg l ⁻¹	U	6.2	<1	<1
	Selenium	7782492	µg l ⁻¹	U	1.6	4.9	2.9
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD86959 to AD86961

LABORATORY TEST REPORT

Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

F15285 - Durham Rd, Newport

					56800		
					AD86959	AD86960	AD86961
					BH604	BH604A	BH606A
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD86959 to AD86961

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

F15285 - Durham Rd, Newport

					56800		
					AD86959	AD86960	AD86961
					BH604	BH604A	BH606A
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD86959 to AD86961

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
16 March 2009

Dear Christiaan Wilkinson

Test Report Number 56801
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 6 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56801 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	56801		
					AD86962	AD86963	AD86964
1010	pH	PH	-	U	BH601	BH602	BH603
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.2	7.7	7.1
	Cadmium	7440439	µg l ⁻¹	U	2.6	2.1	6.3
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	4.3	3.5	5.8
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	19	12	8.8
	Selenium	7782492	µg l ⁻¹	U	13	1.2	21
					2.2	2.4	2.4
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1

All tests undertaken between 06-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD86962 to AD86964

LABORATORY TEST REPORT

Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

					56801		
					AD86962	AD86963	AD86964
					BH601	BH602	BH603
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 06-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD86962 to AD86964

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

F15285 - Durham Rd, Newport

					56801		
					AD86962	AD86963	AD86964
					BH601	BH602	BH603
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 06-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD86962 to AD86964

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson
16 March 2009

Dear Christiaan Wilkinson

Test Report Number **56801**
Your Project Reference **F15285 - Durham Rd, Newport**

Please find enclosed the results of analysis for the samples received 6 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	56801		
					AD86962	AD86963	AD86964
1010	pH	PH	-	U	BH601	BH602	BH603
1450	Arsenic	7440382	µg l ⁻¹	U			
	Cadmium	7440439	µg l ⁻¹	U			
	Chromium (total)	7440473	µg l ⁻¹	U			
	Mercury	7439976	µg l ⁻¹	U			
	Nickel	7440020	µg l ⁻¹	U			
	Lead	7439921	µg l ⁻¹	U			
	Selenium	7782492	µg l ⁻¹	U			
1673	TPH >C6-C10		µg l ⁻¹	U			
	TPH >C10-C21		µg l ⁻¹	U			
	TPH >C21-C40		µg l ⁻¹	U			
	TPH (Aqueous Phase)		µg l ⁻¹	U			
1700	Naphthalene	91203	µg l ⁻¹	N			
	Acenaphthylene	208968	µg l ⁻¹	N			
	Acenaphthene	83329	µg l ⁻¹	N			
	Fluorene	86737	µg l ⁻¹	N			
	Phenanthrene	85018	µg l ⁻¹	N			
	Anthracene	120127	µg l ⁻¹	N			
	Fluoranthene	206440	µg l ⁻¹	N			
	Pyrene	129000	µg l ⁻¹	N			
	Benzo[a]anthracene	56553	µg l ⁻¹	N			
	Chrysene	218019	µg l ⁻¹	N			
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N			
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N			
	Benzo[a]pyrene	50328	µg l ⁻¹	N			
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N			
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N			
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N			
	Total (of 16) PAHs		µg l ⁻¹	N			
1760	Benzene	71432	µg l ⁻¹	N			
	Toluene	108883	µg l ⁻¹	N			

All tests undertaken between 06-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD86962 to AD86964

LABORATORY TEST REPORT

Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

					56801		
					AD86962	AD86963	AD86964
					BH601	BH602	BH603
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 06-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD86962 to AD86964

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 3 samples
received 06 March 2009

F15285 - Durham Rd, Newport

					56801		
					AD86962	AD86963	AD86964
					BH601	BH602	BH603
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 06-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD86962 to AD86964

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christiaan Wilkinson
16 March 2009

Dear Christiaan Wilkinson

Test Report Number 56802
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 6 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56802 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 4 samples
received 06 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					56802			
					AD86969	AD86970	AD86971	AD86972
					BH607	BH608	SM01	SM02
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.1	6.9	7.4	7.4
1450	Arsenic	7440382	µg l ⁻¹	U	2.9	<1	1.6	1.7
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.5	2.9	3.1	2.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	5.5	5.6	3.5	3.6
	Lead	7439921	µg l ⁻¹	U	1.4	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	2.5	<1	1.2	1.3
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD86969 to AD86972

LABORATORY TEST REPORT

Report Date
16 March 2009

FAO Christiaan Wilkinson

Results of analysis of 4 samples
received 06 March 2009

F15285 - Durham Rd, Newport

					56802			
					AD86969	AD86970	AD86971	AD86972
					BH607	BH608	SM01	SM02
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD86969 to AD86972

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 06 March 2009

F15285 - Durham Rd, Newport



Report Date
16 March 2009

					56802			
					AD86969	AD86970	AD86971	AD86972
					BH607	BH608	SM01	SM02
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD86969 to AD86972

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christiaan Wilkinson
24 March 2009

Dear Christiaan Wilkinson

Test Report Number 56887
Your Project Reference F15285 Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 16 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56887 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

FAO Christiaan Wilkinson

F15285 Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	56887			
					AD89249	AD89250	AD89251	AD89252
					BH 601	BH 602	BH 604	BH 604A
					WATER	WATER	WATER	WATER
1010	pH	PH	-	U	6.9	6.7	7.0	7.3
1450	Arsenic	7440382	µg l ⁻¹	U	2.3	4.8	1.2	5.0
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.5	7.7	3.1	6.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	14	16	9.8	1.8
	Lead	7439921	µg l ⁻¹	U	6.0	1.1	3.7	<1
	Selenium	7782492	µg l ⁻¹	U	2.2	13	1.2	4.1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	0.9	0.8	0.8	0.6

All tests undertaken between 17-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD89249 to AD89252

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

FAO Christiaan Wilkinson

F15285 Durham Rd, Newport

					56887			
					AD89249	AD89250	AD89251	AD89252
					BH 601	BH 602	BH 604	BH 604A
					WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	N	0.5	0.6	<0.1	<0.1
	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<.1	0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	0.2	0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD89249 to AD89252

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 16 March 2009

F15285 Durham Rd, Newport



Report Date
24 March 2009

					56887			
					AD89249	AD89250	AD89251	AD89252
					BH 601	BH 602	BH 604	BH 604A
					WATER	WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 17-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD89249 to AD89252

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christiaan Wilkinson
24 March 2009

Dear Christiaan Wilkinson

Test Report Number 56889
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 16 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56889 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					56889			
					AD89366	AD89367	AD89368	AD89369
					BH 604A	BH 606A	BH 607	BH 608
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.4	7.1	6.9	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	6.1	10	3.1	<1
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	14	15	5.5	5.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	3.2	3.0	6.6	8.2
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	12	5.0	2.8	1.4
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	0.3	1.3	1.4	0.5

All tests undertaken between 18-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD89366 to AD89369

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
24 March 2009

Results of analysis of 4 samples
received 16 March 2009

F15285 - Durham Rd, Newport

FAO Christiaan Wilkinson

					56889			
					AD89366	AD89367	AD89368	AD89369
					BH 604A	BH 606A	BH 607	BH 608
					WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	N	0.4	0.6	0.7	<0.1
	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	0.2	0.2	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	0.2	0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 18-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD89366 to AD89369

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 16 March 2009

F15285 - Durham Rd, Newport



Report Date
24 March 2009

					56889			
					AD89366	AD89367	AD89368	AD89369
					BH 604A	BH 606A	BH 607	BH 608
					WATER	WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 18-Mar-2009 and 24-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD89366 to AD89369



Surface Water Results



[illegible]

ECoS REPORT NO.	081156	Durham Rd				
DATE ISSUED	17/07/08	F15285				
HOLE NO/SAMPLE ID	SM01	SM02	SM03	SM04	SM05	SM06
SAMPLE DEPTH						
SAMPLE NO.						
SAMPLE TYPE						
DATE SAMPLED	02/07/08	02/07/08	02/07/08	02/07/08	02/07/08	02/07/08
RECEIPT DATE	03/07/08	03/07/08	03/07/08	03/07/08	03/07/08	03/07/08
OUR REF.	S0807326	S0807327	S0807328	S0807329	S0807330	S0807331
MATRIX	Other Water	Other Water	Other Water	Other Water	Other Water	Other Water
pH	N/A	7.5	8	8	7.7	7.6
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.86	0.31	0.07	0.19	0.1
Naphthalene	ug/l	<0.02	<0.02	<0.02	0.03	0.03
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	0.02	<0.02	<0.02	0.02	0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	0.02
Phenanthrene	ug/l	0.03	0.04	0.03	0.04	0.03
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.03	0.07	0.04	0.04	<0.02
Pyrene	ug/l	<0.02	0.06	<0.02	0.03	<0.02
Benzo(a)anthracene	ug/l	<0.01	0.02	<0.01	0.01	<0.01
Chrysene	ug/l	<0.01	0.03	<0.01	0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	0.03	<0.01	0.02	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	0.02	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	0.02	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
Cadmium	ug/l	<0.1	<0.1	<0.1	<0.1	<0.1
Chromium	ug/l	1.2	2.2	1.8	2.1	2.6
Lead	ug/l	<2.0	<2.0	<2.0	<2.0	<2.0
Mercury	ug/l	0.5	0.3	<0.2	<0.2	<0.2
Nickel	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Selenium	ug/l	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	ug/l	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<1	<1	<1	<1	<1
o-Xylene	ug/l	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005

ECoS REPORT NO.	081372	Durham Rd										
DATE ISSUED	20/08/08	F15285										
HOLE NO/SAMPLE ID	BH601	BH602	BH603	BH604	BH604A	BH605	BH606A	BH607	BH608	SM1	SM2	
SAMPLE DEPTH	1.96	2.12	2.22	2.15	6.91	2.81	5.12	1.70	0.62			
SAMPLE NO.												
SAMPLE TYPE	W	W	W	W	W	W	W	W	W	W	W	
DATE SAMPLED	31/07/08	31/07/08	31/07/08	31/07/08	31/07/08	31/07/08	31/07/08	31/07/08	31/07/08	30/07/08	30/07/08	
RECEIPT DATE	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	04/08/08	
OUR REF.	S0808790	S0808791	S0808792	S0808793	S0808794	S0808795	S0808796	S0808797	S0808798	S0808799	S0808800	
MATRIX	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	
pH	N/A	7.2	7	6.9	7.3	7.7	7.5	7.4	7.3	7.2	6.9	7.8
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.49	0.98	1.46	0.11	0.03	0.69	0.04	0.49	2.18	3.84	6.13
Naphthalene	ug/l	<0.02	0.03	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	0.11	0.03	0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.48	0.06	0.08
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.13	0.05	0.06
Phenanthrene	ug/l	0.03	0.04	0.04	0.02	<0.02	0.06	<0.02	0.03	0.06	0.31	0.37
Anthracene	ug/l	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	0.18	0.08
Fluoranthene	ug/l	0.05	0.09	0.08	<0.02	<0.02	0.1	<0.02	0.07	0.17	0.63	0.89
Pyrene	ug/l	0.05	0.08	0.08	<0.02	<0.02	0.08	<0.02	0.06	0.13	0.52	0.69
Benzo(a)anthracene	ug/l	0.04	0.1	0.12	<0.01	<0.01	0.05	<0.01	0.05	0.12	0.25	0.47
Chrysene	ug/l	0.05	0.1	0.17	<0.01	<0.01	0.05	<0.01	0.06	0.13	0.36	0.55
Benzo(b)+(j)fluoranthene	ug/l	0.08	0.16	0.29	0.01	<0.01	0.09	<0.01	0.07	0.24	0.51	0.94
Benzo(k)fluoranthene	ug/l	0.03	0.07	0.07	<0.01	<0.01	0.04	<0.01	0.04	0.07	0.14	0.24
Benzo(a)pyrene	ug/l	0.06	0.1	0.15	<0.01	<0.01	0.07	<0.01	0.04	0.17	0.25	0.58
Indeno(1,2,3-cd)pyrene	ug/l	0.03	0.11	0.19	<0.01	<0.01	0.05	<0.01	0.02	0.15	0.29	0.57
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.05	0.12
Benzo(g,h,i)perylene	ug/l	0.04	0.08	0.21	<0.01	<0.01	0.04	<0.01	0.04	0.12	0.18	0.43
Arsenic	ug/l	0.5	<0.2	3.1	0.2	16.6	1.8	11.2	0.2	0.8	1.6	1.2
Cadmium	ug/l	0.32	0.09	0.22	0.29	0.07	0.09	0.02	0.15	<0.01	<0.01	<0.01
Chromium	ug/l	3.74	3.22	2.73	3.7	14.45	6.65	17.21	3.8	3.92	1.79	1.87
Lead	ug/l	0.2	0.8	0.2	0.7	0.2	0.3	0.4	0.3	0.2	<0.2	<0.2
Mercury	ug/l	0.03	<0.02	<0.02	<0.02	0.03	0.04	0.02	<0.02	<0.02	<0.02	<0.02
Nickel	ug/l	16.1	8.8	10.3	16.9	1.1	10.1	2.3	4	3.7	2.7	0.8
Selenium	ug/l	1.2	0.7	5.5	1	7.3	3.6	9.7	2.5	1.2	1	0.9
Benzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	0.09	0.09	<0.1	<0.05	<0.1	<0.05	0.19	0.14	5.07	0.26
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01	<0.01	<0.01	0.07	<0.01
TPH EC16-EC21	mg/l	<0.01	0.01	<0.01	0.02	<0.01	<0.02	<0.01	<0.01	0.02	1.97	0.06
TPH EC21-EC35	mg/l	<0.05	0.07	0.07	<0.1	<0.05	<0.1	<0.05	0.18	0.1	2.67	0.15

[illegible]



Client: **Norwest Holst Ltd - Soil Engineering Div**
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1504

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	29/08/08
Reporting Date:	Friday 12 September 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40 °C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^U are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40 °C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	04/09/08
Phenols	HPLC-EC	R	0.5 ug/l	No	03/09/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	09/09/08
Naphthalene	GC-MS	R	0.02 ug/l	No	09/09/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	09/09/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	09/09/08
Fluorene	GC-MS	R	0.02 ug/l	No	09/09/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	09/09/08
Anthracene	GC-MS	R	0.02 ug/l	No	09/09/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	09/09/08
Pyrene	GC-MS	R	0.02 ug/l	No	09/09/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	09/09/08
Chrysene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	09/09/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	09/09/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	09/09/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	09/09/08
Arsenic	ICP-MS	R	0.2 ug/l	No	02/09/08
Cadmium	ICP-MS	R	0.01 ug/l	No	02/09/08
Chromium	ICP-MS	R	0.07 ug/l	No	02/09/08
Lead	ICP-MS	R	0.2 ug/l	No	02/09/08
Mercury	ICP-MS	R	0.02 ug/l	No	02/09/08
Nickel	ICP-MS	R	0.5 ug/l	No	02/09/08
Selenium	ICP-MS	R	0.5 ug/l	No	02/09/08
Benzene	HS-GC-MS	R	1 ug/l	No	08/09/08
Toluene	HS-GC-MS	R	1 ug/l	No	08/09/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	08/09/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	08/09/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	08/09/08
TPH	GC-FID	R	0.05 mg/l	No	09/09/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	09/09/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	09/09/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	09/09/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	09/09/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	09/09/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	08/09/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	08/09/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	08/09/08
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	10/09/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	10/09/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	10/09/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809634	S0809635	S0809636	S0809637	S0809638
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.5	7.1	7.2	7.2	7.7
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	<0.02	<0.02	<0.02	0.18	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	0.03	<0.01
Arsenic	ug/l	0.7 ^U	<0.2 ^U	3.5 ^U	0.2 ^U	6.3 ^U
Cadmium	ug/l	0.32 ^U	0.60 ^U	0.12 ^U	0.26 ^U	0.09 ^U
Chromium	ug/l	0.67 ^U	1.74 ^U	0.69 ^U	0.84 ^U	8.55 ^U
Lead	ug/l	1.9 ^U	2.1 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	0.38 ^U
Nickel	ug/l	9.3 ^U	14.7 ^U	5.2 ^U	13.9 ^U	1.7 ^U
Selenium	ug/l	<0.5 ^U	<0.5 ^U	1.3 ^U	2.3 ^U	5.4 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH601	BH602	BH603	BH604	BH604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809634	S0809635	S0809636	S0809637	S0809638
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH06	BH06A	BH607	BH608	SM1
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809639	S0809640	S0809641	S0809642	S0809643
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.3	7.5	7.3	7.3	7.4
Phenols	ug/l	<0.5	<0.5	<0.5	<0.5	<0.5
PAH (sum of PAH 17)	ug/l	0.05	<0.02	<0.02	<0.02	<0.02
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.4 ^U	2.6 ^U	2.4 ^U	0.5 ^U	0.9 ^U
Cadmium	ug/l	0.39 ^U	0.03 ^U	0.17 ^U	0.01 ^U	<0.01 ^U
Chromium	ug/l	1.33 ^U	5.34 ^U	1.02 ^U	1.36 ^U	0.57 ^U
Lead	ug/l	5.3 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	49.2 ^U	1.9 ^U	2.2 ^U	6.2 ^U	1.2 ^U
Selenium	ug/l	1.1 ^U	3.4 ^U	1.0 ^U	0.8 ^U	0.8 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification		BH06	BH06A	BH607	BH608	SM1
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type						
Date Sampled		28/08/08	28/08/08	28/08/08	28/08/08	28/08/08
Receipt Date		29/08/08	29/08/08	29/08/08	29/08/08	29/08/08
EC&S Sample ID		S0809639	S0809640	S0809641	S0809642	S0809643
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	µg/l	<0.005 ^U	<0.005 ^U	0.016 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	µg/l	<0.005 ^U	<0.005 ^U	0.022 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	µg/l	<0.005 ^U	<0.005 ^U	0.014 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	µg/l	<0.005 ^U	<0.005 ^U	0.060 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	µg/l	<0.005 ^U	<0.005 ^U	0.077 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	µg/l	<0.005 ^U	<0.005 ^U	0.150 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification	SM2
Top Depth / m	
Bottom Depth / m	
Sample No.	
Sample Type	
Date Sampled	28/08/08
Receipt Date	29/08/08
EC&S Sample ID	S0809644
Matrix Type	Ground Water

Determinand	Units	
pH	N/A	7.9
Phenols	ug/l	<0.5
PAH (sum of PAH 17)	ug/l	<0.02
Naphthalene	ug/l	<0.02
Acenaphthylene	ug/l	<0.02
Acenaphthene	ug/l	<0.02
Fluorene	ug/l	<0.02
Phenanthrene	ug/l	<0.02
Anthracene	ug/l	<0.02
Fluoranthene	ug/l	<0.02
Pyrene	ug/l	<0.02
Benzo(a)anthracene	ug/l	<0.01
Chrysene	ug/l	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01
Benzo(k)fluoranthene	ug/l	<0.01
Benzo(a)pyrene	ug/l	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01
Arsenic	ug/l	1.1 ^U
Cadmium	ug/l	0.01 ^U
Chromium	ug/l	0.69 ^U
Lead	ug/l	<0.2 ^U
Mercury	ug/l	<0.02 ^U
Nickel	ug/l	1.1 ^U
Selenium	ug/l	<0.5 ^U
Benzene	ug/l	<1 ^U
Toluene	ug/l	<1 ^U
Ethylbenzene	ug/l	<1 ^U
m+p-Xylene	ug/l	<2 ^U
o-Xylene	ug/l	<1 ^U
TPH	mg/l	<0.05
TPH EC10-EC12	mg/l	<0.01
TPH EC12-EC16	mg/l	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Friday 12 September 2008

Sample Location / Identification	SM2
Top Depth / m	
Bottom Depth / m	
Sample No.	
Sample Type	
Date Sampled	28/08/08
Receipt Date	29/08/08
ECoS Sample ID	S0809644
Matrix Type	Ground Water

Determinand	Units	
TPH EC16-EC21	mg/l	<0.01
TPH EC21-EC35	mg/l	<0.05
TPH EC35-EC40	mg/l	<0.05
TPH EC5-EC6	mg/l	<0.01
TPH EC6-EC8	mg/l	<0.01
TPH EC8-EC10	mg/l	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#52	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#101	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#118	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#153	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#138	µg/l	<0.005 ^U
Polychlorinated biphenyl BZ#180	µg/l	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Friday 12 September 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report

ECoS REPORT NO.		081638	F15285	Durham Ro	Norwest Holst Limited - Soil Engineering Division								
DATE ISSUED		30/10/08											
HOLE NO/SAMPLE ID		BH601	BH602	BH603	BH604	BH604A	BH606	BH606A	BH607	BH608	WT02	SM01	SM02
SAMPLE DEPTH													
SAMPLE NO.													
SAMPLE TYPE													
DATE SAMPLED													
RECEIPT DATE		26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08	26/09/08
OUR REF.		S0810537	S0810538	S0810539	S0810540	S0810541	S0810542	S0810543	S0810544	S0810545	S0810546	S0810547	S0810548
MATRIX		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
pH	N/A	7.5	7.3	7.8	7.5	8	7.6	7.6	7.5	7.3	7.7	8.1	7.5
Phenols	ug/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
PAH (sum of PAH 17)	ug/l	<0.02	<0.02	<0.02	0.1	0.051	0.2	<0.02	<0.02	0.6	<0.02	<0.02	0.36
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.16	<0.02	<0.02	0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	0.33	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.07	<0.02	<0.02	0.02
Phenanthrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.07
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	<0.02	0.02	<0.02	0.05	<0.02	<0.02	0.03	<0.02	<0.02	0.09
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	0.07
Benzo(a)anthracene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Chrysene	ug/l	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	<0.01	0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	ug/l	1.5	1.1	2.9	0.4	8.5	1.3	3.4	3.9	0.8	7.1	1.4	2
Cadmium	ug/l	0.32	0.35	0.13	0.13	0.04	0.37	0.01	0.15	0.08	0.02	0.01	<0.01
Chromium	ug/l	1.98	3.43	1.77	2.5	12.48	2.85	10.55	3.02	3.26	2.3	1.3	2.22
Lead	ug/l	1.9	0.8	<0.2	0.3	<0.2	0.4	<0.2	0.4	0.2	1.2	<0.2	<0.2
Mercury	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Nickel	ug/l	8.9	9.7	6.9	5.6	1.3	7	0.9	2.4	3.7	12.1	1.4	1.6
Selenium	ug/l	1.5	0.6	2.2	2.3	0.6	0.7	<0.5	1.6	<0.5	0.5	1.1	1.1
Benzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#52	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#101	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	<0.005
Polychlorinated biphenyl BZ#118	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Polychlorinated biphenyl BZ#153	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005
Polychlorinated biphenyl BZ#138	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01	<0.005	<0.005
Polychlorinated biphenyl BZ#180	µg/l	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
29 October 2008

Results of analysis of 8 samples
received 27 October 2008

Durham Road, Newport (F15285)

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

					48581							
					AD58040	AD58042	AD58044	AD58046	AD58048	AD58050	AD58052	AD58054
					SM01	SM02	WT05	BH601	BH602	BH604A	BH606A	BH608
					1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1010	pH	PH	-	U	7.6	7.2	7.3	6.8	6.7	7.2	7.0	6.9
1450	Arsenic	7440382	µg l ⁻¹	U	1.3	2.9	5.4	2.3	3.2	8.4	13	1.3
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	1.4	1.2	3.5	3.0	4.1	9.8	7.1	3.7
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	1.1	1.7	14	15	14	1.8	1.3	2.4
	Lead	7439921	µg l ⁻¹	U	<1	<1	<1	8.1	1.1	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	1.1	1.1	1.2	1.6	1.2	4.7	3.6	<1
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1

All tests undertaken between 28-Oct-2008 and 29-Oct-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD58040 to AD58054

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
29 October 2008

Results of analysis of 8 samples
received 27 October 2008

Durham Road, Newport (F15285)

					48581							
					AD58040	AD58042	AD58044	AD58046	AD58048	AD58050	AD58052	AD58054
					SM01	SM02	WT05	BH601	BH602	BH604A	BH606A	BH608
					1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1760	Toluene	108883	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1	<1	<1	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 29-Oct-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD58040 to AD58054

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT

Results of analysis of 8 samples
received 27 October 2008

Durham Road, Newport (F15285)



Report Date
29 October 2008

					48581							
					AD58040	AD58042	AD58044	AD58046	AD58048	AD58050	AD58052	AD58054
					SM01	SM02	WT05	BH601	BH602	BH604A	BH606A	BH608
					1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2	1 OF 2
					WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
1900	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 28-Oct-2008 and 29-Oct-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
27 November 2008

Dear C Wilkinson

Test Report Number 101953
Your Project Reference Durham Rd, Newport - F15285

Please find enclosed the results of analysis for the samples received 21 November 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely


Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 101953 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 2 samples
received 21 November 2008

Durham Rd, Newport - F15285

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	101950	
					AD65584	AD65585
					SM01	SM02
					WATER	WATER
1010	pH	PH	-	U	7.6	7.4
1450	Arsenic	7440382	µg l ⁻¹	U	1.5	1.5
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	2.6	2.6
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	2.6	2.7
	Lead	7439921	µg l ⁻¹	U	<1	<1
	Selenium	7782492	µg l ⁻¹	U	1.4	1.4
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD65584 to AD65585

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 2 samples
received 21 November 2008

Durham Rd, Newport - F15285



Report Date
27 November 2008

					101950	
					AD65584	AD65585
					SM01	SM02
					WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD65584 to AD65585

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 November 2008

Results of analysis of 2 samples
received 21 November 2008

Durham Rd, Newport - F15285

					101950	
					AD65584	AD65585
					SM01	SM02
					WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002

All tests undertaken between 24-Nov-2008 and 26-Nov-2008

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD65584 to AD65585

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
07 January 2009

Dear Christian Wilkinson

Test Report Number 102224

Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 19 December 2008.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102224 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102224		
1010	pH	PH	-	U	AD72390	AD72391	AD72392
					BH608	SM01	SM02
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	6.7	7.5	7.2
	Cadmium	7440439	µg l ⁻¹	U	2.5	1.3	1.5
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	9.5	3.6	3.7
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	9.3	2.8	3.2
	Selenium	7782492	µg l ⁻¹	U	2.1	<1	1.2
1673	TPH >C6-C10		µg l ⁻¹	U	1.4	1.9	2.0
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	0.55	1.5	0.88
	Acenaphthylene	208968	µg l ⁻¹	N	0.86	0.058	0.42
	Acenaphthene	83329	µg l ⁻¹	N	4.5	1.6	2.3
	Fluorene	86737	µg l ⁻¹	N	<0.01	0.018	0.027
	Phenanthrene	85018	µg l ⁻¹	N	0.59	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	0.27	1.2	0.92
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	6.775	4.376	4.547
1760	Benzene	71432	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD72390 to AD72392

LABORATORY TEST REPORT

Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

					102224		
					AD72390	AD72391	AD72392
					BH608	SM01	SM02
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD72390 to AD72392

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
07 January 2009

Results of analysis of 3 samples
received 19 December 2008

F15285 - Durham Rd, Newport

					102224		
					AD72390	AD72391	AD72392
					BH608	SM01	SM02
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 22-Dec-2008 and 6-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD72390 to AD72392

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson
26 January 2009

Dear Christian Wilkinson

Test Report Number 102379
Your Project Reference F15285 Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 16 January 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☒ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 102379 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	102379		
1010	pH	PH	-	U	AD75697	AD75698	AD75699
					BH608	SM01	SM02
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	6.9	7.6	7.5
	Cadmium	7440439	µg l ⁻¹	U	<1	1.7	1.9
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	3.2	2.4	2.4
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	7.6	2.9	3.4
	Selenium	7782492	µg l ⁻¹	U	<1	<1	1.5
1673	TPH >C6-C10		µg l ⁻¹	U	<1	2.0	1.9
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	U	0.50	0.13	<0.1
	Toluene	108883	µg l ⁻¹	U	<1	<1	<1

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD75697 to AD75699

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christian Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport



Report Date
26 January 2009

					102379		
					AD75697	AD75698	AD75699
					BH608	SM01	SM02
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	U	<1	<1	<1
	m- & p-Xylene	1330207	µg l ⁻¹	U	<1	<1	<1
	o-Xylene	95476	µg l ⁻¹	U	<1	<1	<1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD75697 to AD75699

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO Christian Wilkinson

LABORATORY TEST REPORT



Report Date
26 January 2009

Results of analysis of 3 samples
received 16 January 2009

F15285 Durham Rd, Newport

					102379		
					AD75697	AD75698	AD75699
					BH608	SM01	SM02
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 19-Jan-2009 and 22-Jan-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD75697 to AD75699

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SXFAO Christiaan Wilkinson
16 March 2009

Dear Christiaan Wilkinson

Test Report Number 56802
Your Project Reference F15285 - Durham Rd, Newport

Please find enclosed the results of analysis for the samples received 6 March 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☒ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☐ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 56802 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 4 samples
received 06 March 2009

FAO Christiaan Wilkinson

F15285 - Durham Rd, Newport

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					56802			
					AD86969	AD86970	AD86971	AD86972
					BH607	BH608	SM01	SM02
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.1	6.9	7.4	7.4
1450	Arsenic	7440382	µg l ⁻¹	U	2.9	<1	1.6	1.7
	Cadmium	7440439	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Chromium (total)	7440473	µg l ⁻¹	U	3.5	2.9	3.1	2.9
	Mercury	7439976	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Nickel	7440020	µg l ⁻¹	U	5.5	5.6	3.5	3.6
	Lead	7439921	µg l ⁻¹	U	1.4	<1	<1	<1
	Selenium	7782492	µg l ⁻¹	U	2.5	<1	1.2	1.3
1673	TPH >C6-C10		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD86969 to AD86972

LABORATORY TEST REPORT

Report Date
16 March 2009

FAO Christiaan Wilkinson

Results of analysis of 4 samples
received 06 March 2009

F15285 - Durham Rd, Newport

					56802			
					AD86969	AD86970	AD86971	AD86972
					BH607	BH608	SM01	SM02
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD86969 to AD86972

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO Christiaan Wilkinson

LABORATORY TEST REPORT



Report Date
16 March 2009

Results of analysis of 4 samples
received 06 March 2009

F15285 - Durham Rd, Newport

					56802			
					AD86969	AD86970	AD86971	AD86972
					BH607	BH608	SM01	SM02
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 10-Mar-2009 and 16-Mar-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD86969 to AD86972

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
27 April 2009

Dear C Wilkinson

Test Report Number **76136**
Your Project Reference **Durham Road, Newport (F15285)**

Please find enclosed the results of analysis for the samples received 17 April 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 76136 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

LABORATORY TEST REPORT



Report Date
27 April 2009

FAO C Wilkinson

Results of analysis of 4 samples
received 17 April 2009

Durham Road, Newport (F15285)

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	76136			
					AD97318	AD97319	AD97320	AD97321
1010	pH	PH	-	U	BH602	BH604A	BH606A	BH607
					WATER	WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	6.9	7.4	7.2	7.6
	Cadmium	7440439	µg l ⁻¹	U	3.7	3.9	11	2.9
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	6.6	8.9	6.7	8.3
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	16	2.6	2.7	4.9
	Selenium	7782492	µg l ⁻¹	U	<1	<1	<1	<1
1673	TPH >C6-C10		µg l ⁻¹	U	5.6	5.1	2.8	2.7
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 20-Apr-2009 and 27-Apr-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD97318 to AD97321

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 17 April 2009

Durham Road, Newport (F15285)



Report Date
27 April 2009

					76136			
					AD97318	AD97319	AD97320	AD97321
					BH602	BH604A	BH606A	BH607
					WATER	WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 20-Apr-2009 and 27-Apr-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD97318 to AD97321

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 April 2009

Results of analysis of 4 samples
received 17 April 2009

Durham Road, Newport (F15285)

					76136			
					AD97318	AD97319	AD97320	AD97321
					BH602	BH604A	BH606A	BH607
					WATER	WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 20-Apr-2009 and 27-Apr-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD97318 to AD97321

Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson
27 April 2009

Dear C Wilkinson

Test Report Number **76137**
Your Project Reference **Durham Road, Newport (F15285)**

Please find enclosed the results of analysis for the samples received 17 April 2009.

All soil samples will be retained for a period of one month and all water samples will be retained for 7 days following the date of the test report. Should you require an extended retention period then please detail your requirements in an email to customerservices@chemtest.co.uk. Please be aware that charges may be applicable for extended sample storage.

If you require any further assistance, please do not hesitate to contact the Customer Services team.

Yours sincerely



Authorised Signatory

☐ Darrell Hall	Laboratory Manager
☐ Phil Hellier	Operations Director
☒ Keith Jones	Technical Development Manager
☐ John Crawford	Quality Manager
☐ Malcolm Avis	Technical Director



2183

Notes to accompany report:

- The sign < means 'less than'
- Tests marked 'U' hold UKAS accreditation
- Tests marked 'M' hold MCertS (and UKAS) accreditation
- Tests marked 'N' do not currently hold UKAS accreditation
- Tests marked 'S' were subcontracted to an approved laboratory
- n/e means 'not evaluated'
- i/s means 'insufficient sample'
- u/s means 'unsuitable sample'
- Comments or interpretations are beyond the scope of UKAS accreditation
- The results relate only to the items tested

Test Report 76137 Cover Sheet

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 April 2009

Results of analysis of 3 samples
received 17 April 2009

Durham Road, Newport (F15285)

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	76137		
					AD97324	AD97325	AD97326
1010	pH	PH	-	U	BH608	SM01	SM02
					WATER	WATER	WATER
1450	Arsenic	7440382	µg l ⁻¹	U	7.0	7.6	7.6
	Cadmium	7440439	µg l ⁻¹	U	<1	1.2	1.1
	Chromium (total)	7440473	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Mercury	7439976	µg l ⁻¹	U	4.0	2.7	2.6
	Nickel	7440020	µg l ⁻¹	U	<0.5	<0.5	<0.5
	Lead	7439921	µg l ⁻¹	U	3.9	2.8	2.5
	Selenium	7782492	µg l ⁻¹	U	<1	<1	<1
1673	TPH >C6-C10		µg l ⁻¹	U	<1	1.5	1.2
	TPH >C10-C21		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH >C21-C40		µg l ⁻¹	U	<0.1	<0.1	<0.1
	TPH (Aqueous Phase)		µg l ⁻¹	U	<0.1	<0.1	<0.1
1700	Naphthalene	91203	µg l ⁻¹	N	<10	<10	<10
	Acenaphthylene	208968	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Acenaphthene	83329	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluorene	86737	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Phenanthrene	85018	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Anthracene	120127	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Fluoranthene	206440	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Pyrene	129000	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]anthracene	56553	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Chrysene	218019	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[b]fluoranthene	205992	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[k]fluoranthene	207089	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[a]pyrene	50328	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	N	<0.01	<0.01	<0.01
	Total (of 16) PAHs		µg l ⁻¹	N	<0.2	<0.2	<0.2
1760	Benzene	71432	µg l ⁻¹	N	<0.1	<0.1	<0.1
	Toluene	108883	µg l ⁻¹	N	<0.1	<0.1	<0.1

All tests undertaken between 20-Apr-2009 and 27-Apr-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AD97324 to AD97326

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX

FAO C Wilkinson

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 17 April 2009

Durham Road, Newport (F15285)



Report Date
27 April 2009

					76137		
					AD97324	AD97325	AD97326
					BH608	SM01	SM02
					WATER	WATER	WATER
1760	Ethyl benzene	100414	µg l ⁻¹	N	<0.1	<0.1	<0.1
	m- & p-Xylene	1330207	µg l ⁻¹	N	<0.1	<0.1	<0.1
	o-Xylene	95476	µg l ⁻¹	N	<0.1	<0.1	<0.1
1810	2,4,4'-Trichlorobiphenyl	7012375	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',5,5'-Tetrachlorobiphenyl	35693993	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,5,5'-Pentachlorobiphenyl	37680732	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,3,4,4',5-Pentachlorobiphenyl	31508006	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5-Hexachlorobiphenyl	35065282	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',4,4',5,5'-Hexachlorobiphenyl	35065271	µg l ⁻¹	N	<0.01	<0.01	<0.01
	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065293	µg l ⁻¹	N	<0.01	<0.01	<0.01
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 20-Apr-2009 and 27-Apr-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AD97324 to AD97326

Norwest Holst
Parkside Lane
Dewsbury Road
Leeds
LS11 5SX
FAO C Wilkinson

LABORATORY TEST REPORT



Report Date
27 April 2009

Results of analysis of 3 samples
received 17 April 2009

Durham Road, Newport (F15285)

					76137		
					AD97324	AD97325	AD97326
					BH608	SM01	SM02
					WATER	WATER	WATER
1900	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 20-Apr-2009 and 27-Apr-2009

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 3 of 3

Report sample ID range AD97324 to AD97326



Perched Water Results

(Water Treatment System)



Client: Norwest Holst Ltd - Soil Engineering Div
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1146

Client Project Name:	Durham Rd, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	02/07/08
Reporting Date:	Thursday 10 July 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 10 July 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40°C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^u are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40°C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 10 July 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	07/07/08
Phenols	HPLC-EC	R	0.5 ug/l	No	07/07/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	07/07/08
Naphthalene	GC-MS	R	0.02 ug/l	No	09/07/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	09/07/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	09/07/08
Fluorene	GC-MS	R	0.02 ug/l	No	09/07/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	09/07/08
Anthracene	GC-MS	R	0.02 ug/l	No	09/07/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	09/07/08
Pyrene	GC-MS	R	0.02 ug/l	No	09/07/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	09/07/08
Chrysene	GC-MS	R	0.01 ug/l	No	09/07/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	09/07/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	09/07/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	09/07/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	09/07/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	09/07/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	09/07/08
Arsenic	ICP-MS	R	0.2 ug/l	No	07/07/08
Cadmium	ICP-MS	R	0.01 ug/l	No	07/07/08
Chromium	ICP-MS	R	0.07 ug/l	No	07/07/08
Lead	ICP-MS	R	0.2 ug/l	No	07/07/08
Mercury	ICP-MS	R	0.02 ug/l	No	07/07/08
Nickel	ICP-MS	R	0.5 ug/l	No	07/07/08
Selenium	ICP-MS	R	0.5 ug/l	No	07/07/08
Benzene	HS-GC-MS	R	1 ug/l	No	09/07/08
Toluene	HS-GC-MS	R	1 ug/l	No	09/07/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	09/07/08
m+p-Xylene	HS-GC-MS	R	1 ug/l	No	09/07/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	09/07/08
TPH L	GC-FID	R	0.05 mg/l	No	09/07/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	09/07/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	09/07/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	09/07/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	09/07/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	09/07/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	09/07/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	09/07/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	09/07/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	10/07/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	10/07/08



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 10 July 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	10/07/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	10/07/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	10/07/08
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	10/07/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	10/07/08



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 10 July 2008

Sample Location / Identification		TP655A
Top Depth / m		2.20
Bottom Depth / m		
Sample No.		W01
Sample Type		
Date Sampled		
Receipt Date		02/07/08
ECöS Sample ID		S0807274
Matrix Type		Ground Water
Determinand	Units	
pH	N/A	8.1
Phenols	ug/l	<0.5
PAH (sum of PAH 17)	ug/l	1.07
Naphthalene	ug/l	0.05
Acenaphthylene	ug/l	<0.02
Acenaphthene	ug/l	<0.02
Fluorene	ug/l	0.03
Phenanthrene	ug/l	0.10
Anthracene	ug/l	0.02
Fluoranthene	ug/l	0.12
Pyrene	ug/l	0.11
Benzo(a)anthracene	ug/l	0.08
Chrysene	ug/l	0.11
Benzo(b)+(j)fluoranthene	ug/l	0.17
Benzo(k)fluoranthene	ug/l	0.05
Benzo(a)pyrene	ug/l	0.08
Indeno(1,2,3-cd)pyrene	ug/l	0.07
Dibenz(a,h)anthracene	ug/l	0.02
Benzo(g,h,i)perylene	ug/l	0.08
Arsenic	ug/l	12.3 ^U
Cadmium	ug/l	0.20 ^U
Chromium	ug/l	0.86 ^U
Lead	ug/l	1.5 ^U
Mercury	ug/l	0.03 ^U
Nickel	ug/l	10.0 ^U
Selenium	ug/l	1.5 ^U
Benzene	ug/l	<1
Toluene	ug/l	<1
Ethylbenzene	ug/l	<1
m+p-Xylene	ug/l	<1
o-Xylene	ug/l	<1
TPH	mg/l	0.11
TPH EC10-EC12	mg/l	<0.01
TPH EC12-EC16	mg/l	<0.01



Client Project Name: Durham Rd, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Thursday 10 July 2008

Sample Location / Identification	TP655A
Top Depth / m	2.20
Bottom Depth / m	
Sample No.	W01
Sample Type	
Date Sampled	
Receipt Date	02/07/08
ECös Sample ID	S0807274
Matrix Type	Ground Water

Determinand	Units	
TPH EC16-EC21	mg/l	0.05
TPH EC21-EC35	mg/l	0.06
TPH EC35-EC40	mg/l	<0.05
TPH EC5-EC6	mg/l	<0.01
TPH EC6-EC8	mg/l	<0.01
TPH EC8-EC10	mg/l	<0.01
Polychlorinated biphenyl BZ#28	µg/l	4.7
Polychlorinated biphenyl BZ#52	µg/l	9.5
Polychlorinated biphenyl BZ#101	µg/l	5.2
Polychlorinated biphenyl BZ#118	µg/l	4.1
Polychlorinated biphenyl BZ#153	µg/l	3.2
Polychlorinated biphenyl BZ#138	µg/l	5.6
Polychlorinated biphenyl BZ#180	µg/l	4.9



Client Project Name: Durham Rd, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Thursday 10 July 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report

ECoS REPORT NO.	081409	Durham Rd							
DATE ISSUED	20/08/08	F15285							
HOLE NO/SAMPLE ID	TP601	TP602	TP603	TP604	TP604A	TP606A	TP607	TP608	
SAMPLE DEPTH									
SAMPLE NO.									
SAMPLE TYPE	W	W	W	W	W	W	W	W	W
DATE SAMPLED	07/08/08	07/08/08	07/08/08	07/08/08	07/08/08	07/08/08	07/08/08	07/08/08	07/08/08
RECEIPT DATE	08/08/08	08/08/08	08/08/08	08/08/08	08/08/08	08/08/08	08/08/08	08/08/08	08/08/08
OUR REF.	S0809004	S0809005	S0809006	S0809007	S0809008	S0809009	S0809010	S0809011	
MATRIX	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
pH	N/A	7	6.9	6.9	7	7.5	7.4	7.2	7
Phenols	ug/l	77.7	<0.5	44.7	40.3	12.3	<0.5	46.6	46.6
PAH (sum of PAH 17)	ug/l	0.21	0.06	0.17	0.05	0.04	0.03	0.07	0.8
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.2
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.35
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.09
Phenanthrene	ug/l	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	0.02	0.03
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03
Benzo(a)anthracene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Chrysene	ug/l	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.03	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	0.03
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.02	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	0.01
Arsenic	ug/l	1.5	2.7	3.8	0.7	12.9	11.4	2	1.7
Cadmium	ug/l	0.3	0.03	0.23	0.27	0.02	0.01	0.15	<0.01
Chromium	ug/l	2.57	2.85	2.26	3.28	11.9	14.68	3.34	3.35
Lead	ug/l	1.6	0.3	0.2	<0.2	<0.2	<0.2	0.2	<0.2
Mercury	ug/l	0.04	0.02	<0.02	<0.02	0.02	<0.02	<0.02	<0.02
Nickel	ug/l	11.4	9.3	9.5	13.3	1.2	1.2	4.1	4.8
Selenium	ug/l	1.3	<0.5	3.6	<0.5	<0.5	<0.5	3.4	<0.5
Benzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1
m+p-Xylene	ug/l	<2	<2	<2	<2	<2	<2	<2	<2
o-Xylene	ug/l	<1	<1	<1	<1	<1	<1	<1	<1
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

[illegible]

ECoS REPORT NO.	081146	Durham Rd
DATE ISSUED	10/07/08	F15285
HOLE NO/SAMPLE ID	TP655A	
SAMPLE DEPTH	2.20m	
SAMPLE NO.	W01	
SAMPLE TYPE		
DATE SAMPLED		
RECEIPT DATE	02/07/08	
OUR REF.	S0807274	
MATRIX	Ground Water	
pH	N/A	8.1
Phenols HPLC	ug/l	<0.5
PAH (sum of PAH 17)	ug/l	1.07
Naphthalene	ug/l	0.05
Acenaphthylene	ug/l	<0.02
Acenaphthene	ug/l	<0.02
Fluorene	ug/l	0.03
Phenanthrene	ug/l	0.1
Anthracene	ug/l	0.02
Fluoranthene	ug/l	0.12
Pyrene	ug/l	0.11
Benzo(a)anthracene	ug/l	0.08
Chrysene	ug/l	0.11
Benzo(b)+(j)fluoranthene	ug/l	0.17
Benzo(k)fluoranthene	ug/l	0.05
Benzo(a)pyrene	ug/l	0.08
Indeno(1,2,3-cd)pyrene	ug/l	0.07
Dibenz(a,h)anthracene	ug/l	0.02
Benzo(g,h,i)perylene	ug/l	0.08
Arsenic	ug/l	12.3
Cadmium	ug/l	0.2
Chromium	ug/l	0.86
Lead	ug/l	1.5
Mercury	ug/l	0.03
Nickel	ug/l	10
Selenium	ug/l	1.5
Benzene	ug/l	<1
Toluene	ug/l	<1
Ethylbenzene	ug/l	<1
m+p-Xylene	ug/l	<1
o-Xylene	ug/l	<1
TPH	mg/l	0.11
TPH EC10-EC12	mg/l	<0.01
TPH EC12-EC16	mg/l	<0.01
TPH EC16-EC21	mg/l	0.05
TPH EC21-EC35	mg/l	0.06

TPH EC35-EC40	mg/l	<0.05	
TPH EC5-EC6	mg/l	<0.01	
TPH EC6-EC8	mg/l	<0.01	
TPH EC8-EC10	mg/l	<0.01	
Polychlorinated biphenyl BZ#28	µg/l	4.7	
Polychlorinated biphenyl BZ#52	µg/l	9.5	
Polychlorinated biphenyl BZ#101	µg/l	5.2	
Polychlorinated biphenyl BZ#118	µg/l	4.1	
Polychlorinated biphenyl BZ#153	µg/l	3.2	
Polychlorinated biphenyl BZ#138	µg/l	5.6	
Polychlorinated biphenyl BZ#180	µg/l	4.9	



Client: Norwest Holst Ltd - Soil Engineering Div
Parkside Lane
Dewsbury Road
LEEDS
West Yorkshire
LS11 5SX

FAO: Mr C Wilkinson

Test Report Number: R08/1409

Client Project Name:	Durham Road, Newport
Client Project Number:	F15285
Your Order Number:	F15285
Order Receipt Date:	08/08/08
Reporting Date:	Wednesday 20 August 2008

If you have any queries regarding this report please contact our Customer Services Section



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Comments

All analyses are carried out using the laboratory's standard methods unless otherwise agreed.

The test results in this report refer only to the actual samples on which testing has been performed.

Any opinions and/or interpretations expressed herein are outside the scope of the testing laboratory's UKAS accreditation.

The test report shall not be reproduced, except in full, without the testing laboratory's written approval.

This testing laboratory cannot be held responsible for the condition or suitability of samples submitted for testing by a third party or for the competency of personnel other than its own staff.

This testing laboratory cannot be held responsible for the accuracy of test sample locations or descriptions when supplied by a third party.

Soil Samples

Results are expressed on a dried mass basis. Assisted drying carried out @ 40°C.

See key in Notes section for explanation of numerical categories for asbestos results, if applicable.

All material is crushed if possible after assisted drying. Material which cannot be crushed is removed prior to analysis. See Notes section for details, if applicable.

Samples submitted for leachate determination were prepared using agreed procedures and analysed using UKAS accredited methodology where appropriate.

Results are expressed without correction for recovery factors.

Results marked with a ^u are UKAS accredited.

Sample Pretreatment (as listed in method statement)

AD = Assisted drying @ 40°C

R = As Received

Sample Type

B = Bulk disturbed sample

C = Core Sample

D = Small disturbed sample

ES = Environmental Soil Sample

P = Piston sample

U = Undisturbed sample - open drive

W = Water Sample

EW = Environmental Water Sample

Sample Results

Analysis not requested

*** Test not completed. Please see notes on last page

Signed: _____

For and on behalf of ECOS Environmental Limited

Approved signatories:

Name

J R Brown

L Dewell

J Stoddart

Position

Business Development Manager

Production Manager

Technical Manager



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Water Samples

Method Statement

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
pH	pH-meter	R	N/A	No	11/08/08
Phenols	HPLC-EC	R	0.5 ug/l	No	18/08/08
PAH (sum of PAH 17)	GC-MS	R	0.02 ug/l	No	11/08/08
Naphthalene	GC-MS	R	0.02 ug/l	No	11/08/08
Acenaphthylene	GC-MS	R	0.02 ug/l	No	11/08/08
Acenaphthene	GC-MS	R	0.02 ug/l	No	11/08/08
Fluorene	GC-MS	R	0.02 ug/l	No	11/08/08
Phenanthrene	GC-MS	R	0.02 ug/l	No	11/08/08
Anthracene	GC-MS	R	0.02 ug/l	No	11/08/08
Fluoranthene	GC-MS	R	0.02 ug/l	No	11/08/08
Pyrene	GC-MS	R	0.02 ug/l	No	11/08/08
Benzo(a)anthracene	GC-MS	R	0.01 ug/l	No	11/08/08
Chrysene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(b)+(j)fluoranthene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(k)fluoranthene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(a)pyrene	GC-MS	R	0.01 ug/l	No	11/08/08
Indeno(1,2,3-cd)pyrene	GC-MS	R	0.01 ug/l	No	11/08/08
Dibenz(a,h)anthracene	GC-MS	R	0.01 ug/l	No	11/08/08
Benzo(g,h,i)perylene	GC-MS	R	0.01 ug/l	No	11/08/08
Arsenic	ICP-MS	R	0.2 ug/l	No	13/08/08
Cadmium	ICP-MS	R	0.01 ug/l	No	13/08/08
Chromium	ICP-MS	R	0.07 ug/l	No	13/08/08
Lead	ICP-MS	R	0.2 ug/l	No	13/08/08
Mercury	ICP-MS	R	0.02 ug/l	No	13/08/08
Nickel	ICP-MS	R	0.5 ug/l	No	13/08/08
Selenium	ICP-MS	R	0.5 ug/l	No	13/08/08
Benzene	HS-GC-MS	R	1 ug/l	No	19/08/08
Toluene	HS-GC-MS	R	1 ug/l	No	19/08/08
Ethylbenzene	HS-GC-MS	R	1 ug/l	No	19/08/08
m+p-Xylene	HS-GC-MS	R	2 ug/l	No	19/08/08
o-Xylene	HS-GC-MS	R	1 ug/l	No	19/08/08
TPH	GC-FID	R	0.05 mg/l	No	19/08/08
TPH EC10-EC12	GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC12-EC16	GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC16-EC21	GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC21-EC35	GC-FID	R	0.05 mg/l	No	11/08/08
TPH EC35-EC40	GC-FID	R	0.05 mg/l	No	11/08/08
TPH EC5-EC6	HS-GC-FID	R	0.01 mg/l	No	11/08/08
TPH EC6-EC8	HS-GC-FID	R	0.01 mg/l	No	19/08/08
TPH EC8-EC10	HS-GC-FID	R	0.01 mg/l	No	19/08/08
Polychlorinated biphenyl BZ#28	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#52	GC-MS	R	0.005 ug/l	Yes	14/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Determinand	Method of Detection	Sample Pretreatment	Limit of Detection	Sub-Contracted	Result Date
Polychlorinated biphenyl BZ#101	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#118	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#153	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#138	GC-MS	R	0.005 ug/l	Yes	14/08/08
Polychlorinated biphenyl BZ#180	GC-MS	R	0.005 ug/l	Yes	14/08/08



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP601	TP602	TP603	TP604	TP604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809004	S0809005	S0809006	S0809007	S0809008
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
pH	N/A	7.0	6.9	6.9	7.0	7.5
Phenols	ug/l	77.7	<0.5	44.7	40.3	12.3
PAH (sum of PAH 17)	ug/l	0.21	0.06	0.17	0.05	0.04
Naphthalene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthylene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluorene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Phenanthrene	ug/l	<0.02	<0.02	0.03	<0.02	<0.02
Anthracene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Fluoranthene	ug/l	0.02	<0.02	<0.02	<0.02	<0.02
Pyrene	ug/l	<0.02	<0.02	<0.02	<0.02	<0.02
Benzo(a)anthracene	ug/l	0.02	<0.01	<0.01	<0.01	<0.01
Chrysene	ug/l	0.02	<0.01	0.02	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	0.03	<0.01	0.03	<0.01	<0.01
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	0.02	<0.01	0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	0.02	<0.01	0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	0.02	<0.01	0.02	<0.01	<0.01
Arsenic	ug/l	1.5 ^U	2.7 ^U	3.8 ^U	0.7 ^U	12.9 ^U
Cadmium	ug/l	0.30 ^U	0.03 ^U	0.23 ^U	0.27 ^U	0.02 ^U
Chromium	ug/l	2.57 ^U	2.85 ^U	2.26 ^U	3.28 ^U	11.90 ^U
Lead	ug/l	1.6 ^U	0.3 ^U	0.2 ^U	<0.2 ^U	<0.2 ^U
Mercury	ug/l	0.04 ^U	0.02 ^U	<0.02 ^U	<0.02 ^U	0.02 ^U
Nickel	ug/l	11.4 ^U	9.3 ^U	9.5 ^U	13.3 ^U	1.2 ^U
Selenium	ug/l	1.3 ^U	<0.5 ^U	3.6 ^U	<0.5 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP601	TP602	TP603	TP604	TP604A
Top Depth / m						
Bottom Depth / m						
Sample No.						
Sample Type		W	W	W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809004	S0809005	S0809006	S0809007	S0809008
Matrix Type		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Determinand	Units					
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP606A	TP607	TP608
Top Depth / m				
Bottom Depth / m				
Sample No.				
Sample Type		W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809009	S0809010	S0809011
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
pH	N/A	7.4	7.2	7.0
Phenols	ug/l	<0.5	46.6	46.6
PAH (sum of PAH 17)	ug/l	0.03	0.07	0.80
Naphthalene	ug/l	0.08	<0.02	0.20
Acenaphthylene	ug/l	<0.02	<0.02	<0.02
Acenaphthene	ug/l	<0.02	<0.02	0.35
Fluorene	ug/l	<0.02	<0.02	0.09
Phenanthrene	ug/l	<0.02	0.02	0.03
Anthracene	ug/l	<0.02	<0.02	<0.02
Fluoranthene	ug/l	<0.02	<0.02	0.03
Pyrene	ug/l	<0.02	<0.02	0.03
Benzo(a)anthracene	ug/l	<0.01	<0.01	0.01
Chrysene	ug/l	<0.01	<0.01	<0.01
Benzo(b)+(j)fluoranthene	ug/l	<0.01	<0.01	0.03
Benzo(k)fluoranthene	ug/l	<0.01	<0.01	<0.01
Benzo(a)pyrene	ug/l	<0.01	<0.01	<0.01
Indeno(1,2,3-cd)pyrene	ug/l	<0.01	<0.01	<0.01
Dibenz(a,h)anthracene	ug/l	<0.01	<0.01	<0.01
Benzo(g,h,i)perylene	ug/l	<0.01	<0.01	0.01
Arsenic	ug/l	11.4 ^U	2.0 ^U	1.7 ^U
Cadmium	ug/l	0.01 ^U	0.15 ^U	<0.01 ^U
Chromium	ug/l	14.68 ^U	3.34 ^U	3.35 ^U
Lead	ug/l	<0.2 ^U	0.2 ^U	<0.2 ^U
Mercury	ug/l	<0.02 ^U	<0.02 ^U	<0.02 ^U
Nickel	ug/l	1.2 ^U	4.1 ^U	4.8 ^U
Selenium	ug/l	<0.5 ^U	3.4 ^U	<0.5 ^U
Benzene	ug/l	<1 ^U	<1 ^U	<1 ^U
Toluene	ug/l	<1 ^U	<1 ^U	<1 ^U
Ethylbenzene	ug/l	<1 ^U	<1 ^U	<1 ^U
m+p-Xylene	ug/l	<2 ^U	<2 ^U	<2 ^U
o-Xylene	ug/l	<1 ^U	<1 ^U	<1 ^U
TPH	mg/l	<0.05	<0.05	<0.05
TPH EC10-EC12	mg/l	<0.01	<0.01	<0.01
TPH EC12-EC16	mg/l	<0.01	<0.01	<0.01



Client Project Name: Durham Road, Newport

Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div

Reporting Date: Wednesday 20 August 2008

Sample Location / Identification		TP606A	TP607	TP608
Top Depth / m				
Bottom Depth / m				
Sample No.				
Sample Type		W	W	W
Date Sampled		07/08/08	07/08/08	07/08/08
Receipt Date		08/08/08	08/08/08	08/08/08
EC&S Sample ID		S0809009	S0809010	S0809011
Matrix Type		Ground Water	Ground Water	Ground Water
Determinand	Units			
TPH EC16-EC21	mg/l	<0.01	<0.01	<0.01
TPH EC21-EC35	mg/l	<0.05	<0.05	<0.05
TPH EC35-EC40	mg/l	<0.05	<0.05	<0.05
TPH EC5-EC6	mg/l	<0.01	<0.01	<0.01
TPH EC6-EC8	mg/l	<0.01	<0.01	<0.01
TPH EC8-EC10	mg/l	<0.01	<0.01	<0.01
Polychlorinated biphenyl BZ#28	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#52	ug/l	<0.005 ^U	0.006 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#101	ug/l	<0.005 ^U	0.013 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#118	ug/l	<0.005 ^U	<0.005 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#153	ug/l	<0.005 ^U	0.021 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#138	ug/l	<0.005 ^U	0.018 ^U	<0.005 ^U
Polychlorinated biphenyl BZ#180	ug/l	<0.005 ^U	0.012 ^U	<0.005 ^U



Client Project Name: Durham Road, Newport
Project Number: F15285

Client: Norwest Holst Ltd - Soil Engineering Div
Reporting Date: Wednesday 20 August 2008

Notes and Preservation Details

PCB analyses undertaken by UKAS laboratory number 1549.

End of Test Report