APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Laboratories reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, an asbestos screen is done in-house on soils and if no fibres are found will be reported as NFD – no fibres detected. If asbestos is detected, then identification is carried out by ALcontrol Shutler. If a sample is suspected of containing asbestos, then further preparation and analysis will be suspended on that sample until the asbestos result is known. If asbestos is present, then no further analysis will be undertaken.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If appropriate preserved bottles are not received preservation will take place on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. **Surrogate recoveries** – Currently the only analysis, which is surrogate corrected, is PAHs on soils. For EPH on soils the result is not surrogate corrected, but a percentage recovery is quoted.
13. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
14. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
15. Total of 8 speciated phenols by HPLC includes Resorcinol, Catechol, Phenol, Napthol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
16. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
17. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Last updated June 2008

LIQUID MATRICES EXTRACTION SUMMARY

ANALYSIS	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
PAH MS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
EPH	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
EPH CWG	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
MINERAL OIL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC FID
PCB 7 CONGENERS	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GC MS
PCB TOTAL	HEXANE	STIRRED EXTRACTION (STIR-BAR)	GS MS
SVOC	DCM	LIQUID/LIQUID SHAKEN SVOC	GC MS
FREE SULPHUR	DCM	SOLID PHASE EXTRACTION	HPLC
PEST OCP/OPP	DCM/EA	SOLID PHASE EXTRACTION	GC MS
TRIAZINE HERBS	DCM/EA	SOLID PHASE EXTRACTION	GC MS
PHENOLS MS	DCM	SOLID PHASE EXTRACTION	GC MS
TPH by INFRA RED (IR)	TCE	LIQUID/LIQUID EXTRACTION	HPLC
MINERAL OIL by IR	TCE	LIQUID/LIQUID EXTRACTION	HPLC
SAPONIFIABLE	TCE	LIQUID/LIQUID EXTRACTION	HPLC
UNSAPONIFIABLE	TCE	LIQUID/LIQUID EXTRACTION	HPLC
GLYCOLS	DCM	LIQUID/LIQUID EXTRACTION	EZ FLASH

SOLID MATRICES EXTRACTION SUMMARY

ANALYSIS	D/C OR WET	EXTRACTION SOLVENT	EXTRACTION METHOD	ANALYSIS
Solvent Extractable Matter	D&C	DCM	SOXTHERM	GRAVIMETRIC
Cyclohexanes Ext. Matter	D&C	CYCLOHEXANE	SOXTHERM	GRAVIMETRIC
Thin Layer Chromatography	D&C	DCM	SOXTHERM	IATROSCAN
Elemental Sulphur	D&C	DCM	SOXTHERM	HPLC
Phenols by GCMS	WET	DCM	SOXTHERM	GC-MS
Herbicides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
Pesticides	D&C	HEXANE:ACETONE	SOXTHERM	GC-MS
EPH (DRO)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Min oil)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH (Cleaned up)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
EPH CWG by GC	D&C	HEXANE:ACETONE	END OVER END	GC-FID
PCB tot / PCB con	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (MS)	D&C	HEXANE:ACETONE	END OVER END	GC-MS
Polyaromatic Hydrocarbons (FID)	D&C	HEXANE:ACETONE	END OVER END	GC-FID
C8-C40 (C6-C40)EZ Flash	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Polyaromatic Hydrocarbons Rapid GC	WET	HEXANE:ACETONE	SHAKER	GC-EZ
Semi Volatile Organic compounds	WET	DCM:ACETONE	SONICATE	GC-MS

APPENDIX IX

Geochemical Laboratory Results (Groundwater)

ALcontrol Geochem

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Manor Road (off Manor Lane)
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Tel: (01244) 528700
Fax: (01244) 528701
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website: www.alcontrol.co.uk

Wardell Armstrong LLP
Unit 5 Newton Business Centre
Thorncliffe Park
Sheffield
S35 2PH ATTN: Phil Hesketh

CERTIFICATE OF ANALYSIS

Date: 08 October, 2007

Our Reference: 07/13429/02/01

Your Reference: SH03582

Location: Barnsley Markets

A total of 232 samples was received for analysis between Saturday, 04 August 2007 and Wednesday, 05 September 2007 and completed on Thursday, 27 September 2007. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials- whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Signed

Diane Whittlestone	**Jane Seymour**	**David O'Hare**	**Caroline Suttie**
Customer Services	Customer Services	Customer Services	Customer Services

Valid if signed by any of the above signatories.

Compiled By

Byron Hagan

1291
GROUP

ALcontrol Geochem is a trading division of ALcontrol UK Limited.
Registered Office: Templeborough House, Mill Close, Rotherham, S60 1BZ. Registered in England and Wales No. 4057291

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ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
Hardness Total	290	-	-	490	860	390	710	-	770	TM152#	<1 mg/l
Arsenic Dissolved (ICP-MS)	2	<1	2	2	<1	<1	1	<1	<1	TM152#	<1 ug/l
Barium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<1 ug/l
Boron Dissolved (ICP-MS)	<10	31	<10	37	47	<10	30	54	<10	TM152#	<10 ug/l
Cadmium Dissolved (ICP-MS)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	TM152#	<0.4 ug/l
Calcium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<5 ug/l
Chromium Dissolved (ICP-MS)	1	<1	<1	1	<1	<1	2	2	2	TM152#	<1 ug/l
Copper Dissolved (ICP-MS)	3	2	3	2	<1	3	3	<1	1	TM152#	<1 ug/l
Iron Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<5 ug/l
Lead Dissolved (ICP-MS)	1	<1	<1	<1	<1	<1	<1	<1	<1	TM152#	<1 ug/l
Magnesium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<5 ug/l
Nickel Dissolved (ICP-MS)	7	6	21	8	12	6	7	6	11	TM152#	<1 ug/l
Phosphorus Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<10 ug/l
Selenium Dissolved (ICP-MS)	8	2	23	5	<1	2	<1	<1	<1	TM152#	<1 ug/l
Vanadium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<1 ug/l
Zinc Dissolved (ICP-MS)	4	<3	24	<3	14	<3	54	5	4	TM152#	<3 ug/l
Mercury Dissolved (CVAA)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TM127#	<0.05 ug/l
BOD	-	-	-	-	-	-	-	-	-	TM045#	<1 mg/l
Nitrate as NO3	-	-	-	-	-	-	-	-	-	TM102#	<0.3 mg/l
Nitrite as NO2	-	-	-	-	-	-	-	-	-	TM103#	<0.05 mg/l
Sulphate (soluble)	230	160	1200	190	360	170	290	350	380	TM098#	<3 mg/l
Sulphide	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	TM101	<0.5 mg/l
Ammoniacal Nitrogen as N	-	-	-	-	-	-	-	-	-	TM099#	<0.2 mg/l
Hexavalent Chromium	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.03	TM151#	<0.03 mg/l
Phenols Monohydric	<0.01	<0.01	0.47	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	TM062#	<0.01 mg/l
Thiocyanate	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TM153#	<0.05 mg/l
Total Cyanide	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TM153#	<0.05 mg/l
Free Cyanide	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TM153#	<0.05 mg/l
Escherichia Coli*	-	-	-	-	-	-	-	-	-		CFU/100ml
Free Sulphur	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	TM136#	<0.05 mg/l
pH Value	7.93	7.50	7.77	7.81	7.34	8.04	7.55	7.79	6.89	TM133#	<1.00 pH Units

Date 08.10.2007

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ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
GRO (C4-C12)	<10	<10	230	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
MTBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
Benzene	<10	<10	110	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
Toluene	<10	<10	59	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
m & p Xylene	<10	<10	34	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
o Xylene	<10	<10	24	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
Aliphatics C5-C6	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C6-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C8-C10	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM61/89	<10 ug/l
Aromatics C6-C7	<10	<10	110	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
Aromatics >C7-C8	<10	<10	59	<10	<10	<10	<10	<10	<10	TM089[#]	<10 ug/l
Aromatics >EC8-EC10	<10	<10	58	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10	<10	230	<10	<10	<10	<10	<10	<10	TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	<10	<10	230	<10	<10	<10	<10	<10	<10	TM61/89	<10 ug/l

Date 08.10.2007

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ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
PAH by GCMS											
Naphthalene Aqueous	<26	190	<26	<26	<26	110	<26	<26	<26	TM074	<26 ng/l
Acenaphthylene Aqueous	13	1600	<11	<11	<11	<11	<11	<11	<11	TM074	<11 ng/l
Acenaphthene Aqueous	<15	670	<15	34	<15	<15	<15	<15	<15	TM074	<15 ng/l
Fluorene Aqueous	<14	1300	<14	<14	<14	28	<14	<14	<14	TM074	<14 ng/l
Phenanthrene Aqueous	<22	650	<22	<22	<22	99	<22	<22	<22	TM074	<22 ng/l
Anthracene Aqueous	<15	260	<15	<15	<15	<15	<15	<15	<15	TM074	<15 ng/l
Fluoranthene Aqueous	<17	93	<17	<17	<17	41	<17	<17	17	TM074	<17 ng/l
Pyrene Aqueous	<15	74	<15	<15	<15	40	<15	<15	<15	TM074	<15 ng/l
Benz(a)anthracene Aqueous	<17	<17	<17	<17	<17	<17	<17	<17	<17	TM074	<17 ng/l
Chrysene Aqueous	<13	<13	<13	<13	<13	<13	<13	<13	<13	TM074	<13 ng/l
Benzo(b)fluoranthene Aqueous	<23	<23	<23	<23	<23	<23	<23	<23	<23	TM074	<23 ng/l
Benzo(k)fluoranthene Aqueous	<27	<27	<27	<27	<27	<27	<27	<27	<27	TM074	<27 ng/l
Benzo(a)pyrene Aqueous	<9	<9	<9	<9	<9	22	<9	<9	<9	TM074	<9 ng/l
Indeno(123cd)pyrene Aqueous	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM074	<14 ng/l
Dibenzo(ah)anthracene Aqueous	<16	<16	<16	<16	<16	<16	<16	<16	<16	TM074	<16 ng/l
Benzo(ghi)perylene Aqueous	<16	<16	<16	<16	<16	<16	<16	<16	<16	TM074	<16 ng/l
PAH 16 Total Aqueous	<27	4800	<27	34	<27	340	<27	<27	<27	TM074	<27 ng/l

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Table Of Results

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Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
PCB 7 Congeners											
PCB congener 28	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l
PCB congener 52	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l
PCB congener 101	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l
PCB congener 118	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l
PCB congener 153	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l
PCB congener 138	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l
PCB congener 180	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l
Total of 7 Congener PCBs	-	-	-	<10	-	-	-	-	-	TM070	<10 ng/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
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Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
OCP/OPP											
Dichlorvos	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Mevinphos	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Alpha-BHC (Lindane)	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Beta-BHC (Lindane)	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Gamma-BHC (Lindane)	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Diazinon	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Methyl Parathion	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Heptachlor	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Fenitrothion	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Malathion	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Aldrin	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Parathion	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Heptachlor Epoxide	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Endosulphan I	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
p,p'-DDE	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Dieldrin	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Endrin	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Endosulphan II	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
p,p'-TDE(DDD)	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Ethion	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
p,p'-DDT	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Endosulphan sulphate	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
p,p'-Methoxychlor	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l
Azinphos methyl	-	-	-	-	-	<10	-	-	-	TM144/145	<10 ng/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
SVOC by GCMS											
Phenols											
2-Chlorophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2-Methylphenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2-Nitrophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2,4-Dichlorophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2,4-Dimethylphenol	<1	<1	2	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2,4,5-Trichlorophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2,4,6-Trichlorophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
4-Chloro-3-methylphenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
4-Methylphenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
4-Nitrophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Pentachlorophenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Phenol	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
PAHs											
2-Chloronaphthalene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2-Methylnaphthalene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Phthalates											
Bis(2-ethylhexyl) phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	TM176	<2 ug/l
Butylbenzyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Di-n-butyl phthalate	<1	<1	<1	<1	<1	2	<1	<1	<1	TM176	<1 ug/l
Di-n-Octyl phthalate	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM176	<5 ug/l
Diethyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Dimethyl phthalate	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Other Semi-volatiles											
1,2-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
1,2,4-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
1,3-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
1,4-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2-Nitroaniline	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2,4-Dinitrotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
2,6-Dinitrotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
3-Nitroaniline	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
4-Bromophenylphenylether	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
4-Chloroaniline	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
4-Chlorophenylphenylether	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
4-Nitroaniline	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Azobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Bis(2-chloroethoxy)methane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Bis(2-chloroethyl)ether	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Carbazole	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Dibenzofuran	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Hexachlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Hexachlorocyclopentadiene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Hexachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Isophorone	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
N-nitrosodi-n-propylamine	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l
Nitrobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM176	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
Volatile Organic Compounds											
Dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Chloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Chloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
trans-1-2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Dichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Carbon Disulphide	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.1-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Methyl Tertiary Butyl Ether	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
cis-1-2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Chloroform	<1	<1	2	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
2.2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.1.1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.1-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Benzene	<1	<1	71	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Carbontetrachloride	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Dibromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Trichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
cis-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
trans-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.1.2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Toluene	<1	<1	41	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.3-Dichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	182-185	186-189	190-193	194-196,216	197-201	202-205	217-220	221-224	225-228		
Volatile Organic Compounds (cont)											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2-Dibromoethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.1.1.2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Ethylbenzene	<1	<1	3	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
p/m-Xylene	<1	<1	23	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Bromoform	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Styrene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.1.2.2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
o-Xylene	<1	<1	18	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2.3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Isopropylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Bromobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
2-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Propylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
4-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2.4-Trimethylbenzene	<1	<1	3	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
4-Isopropyltoluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.3.5-Trimethylbenzene	<1	<1	5	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.4-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
sec-Butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
tert-Butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.3-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
n-Butylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2-Dibromo-3-chloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2.4-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
Naphthalene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l
1.2.3-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH101	BH102A	BH104	BH106a	BH108	BH112	BH 115	BH 116	BH 117	Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-	-	-		
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07	03.09.07		
Sample Received Date	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	04.09.07	05.09.07	05.09.07	05.09.07		
Batch	6	6	6	6	6	6	7	7	7		
Sample Number(s)	**182-185**	**186-189**	**190-193**	**194-196,216**	**197-201**	**202-205**	**217-220**	**221-224**	**225-228**		
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM116#	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Hardness Total	-	430	110	490	-	-	200			TM152#	<1 mg/l
Arsenic Dissolved (ICP-MS)	<1	2	1	2	-	2	3			TM152#	<1 ug/l
Barium Dissolved (ICP-MS)	-	36	13	43	-	-	-			TM152#	<1 ug/l
Boron Dissolved (ICP-MS)	<10	200	30	270	-	42	11			TM152#	<10 ug/l
Cadmium Dissolved (ICP-MS)	<0.4	<0.4	<0.4	<0.4	-	<0.4	<0.4			TM152#	<0.4 ug/l
Calcium Dissolved (ICP-MS)	-	100000	31000	120000	-	-	-			TM152#	<5 ug/l
Chromium Dissolved (ICP-MS)	<1	2	1	2	-	1	3			TM152#	<1 ug/l
Copper Dissolved (ICP-MS)	<1	3	16	3	-	2	6			TM152#	<1 ug/l
Iron Dissolved (ICP-MS)	-	35	370	46	-	-	-			TM152#	<5 ug/l
Lead Dissolved (ICP-MS)	<1	<1	5	1	-	<1	<1			TM152#	<1 ug/l
Magnesium Dissolved (ICP-MS)	-	41000	6900	46000	-	-	-			TM152#	<5 ug/l
Nickel Dissolved (ICP-MS)	16	4	3	4	-	10	9			TM152#	<1 ug/l
Phosphorus Dissolved (ICP-MS)	-	760	2900	1100	-	-	-			TM152#	<10 ug/l
Selenium Dissolved (ICP-MS)	<1	2	1	1	-	1	<1			TM152#	<1 ug/l
Vanadium Dissolved (ICP-MS)	-	2	<1	1	-	-	-			TM152#	<1 ug/l
Zinc Dissolved (ICP-MS)	39	16	32	13	-	<3	<3			TM152#	<3 ug/l
Mercury Dissolved (CVAA)	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM127#	<0.05 ug/l
BOD	-	3	400	4	-	-	-			TM045#	<1 mg/l
Nitrate as NO3	-	22	<0.3	5.9	-	-	-			TM102#	<0.3 mg/l
Nitrite as NO2	-	1.7	<0.05	5.5	-	-	-			TM103#	<0.05 mg/l
Sulphate (soluble)	250	230	81	240	-	450	50			TM098#	<3 mg/l
Sulphide	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5			TM101	<0.5 mg/l
Ammoniacal Nitrogen as N	-	4.0	48	5.7	-	-	-			TM099#	<0.2 mg/l
Hexavalent Chromium	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03			TM151#	<0.03 mg/l
Phenols Monohydric	<0.01	<0.01	0.18	<0.01	-	<0.01	<0.01			TM062#	<0.01 mg/l
Thiocyanate	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM153#	<0.05 mg/l
Total Cyanide	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM153#	<0.05 mg/l
Free Cyanide	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM153#	<0.05 mg/l
Escherichia Coli*	-	See Attached	-	See Attached	-	-	-				CFU/100ml
Free Sulphur	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM136#	<0.05 mg/l
pH Value	7.22	8.38	7.91	8.42	-	8.26	8.34			TM133#	<1.00 pH Units

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Total Coliforms*	-	See Attached	-	See attached	-	-	-				CFU/100ml

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
GRO (C4-C12)	<10	<10	28	<10	-	<10	<10			TM089[#]	<10 ug/l
MTBE	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Benzene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Toluene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Ethyl benzene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
m & p Xylene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
o Xylene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Aliphatics C5-C6	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C6-C8	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C8-C10	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C10-C12	<10	<10	11	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10	<10	11	<10	-	<10	<10			TM61/89	<10 ug/l
Aromatics C6-C7	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Aromatics >C7-C8	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Aromatics >EC8-EC10	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aromatics >EC10-EC12	<10	<10	17	<10	-	<10	<10			TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10	<10	510	<10	-	<10	<10			TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10	<10	520	<10	-	<10	<10			TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	<10	<10	530	<10	-	<10	<10			TM61/89	<10 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
PAH by GCMS											
Naphthalene Aqueous	31	110	74	<26	-	<26	<26			TM074	<26 ng/l
Acenaphthylene Aqueous	<11	19	16	<11	-	22	<11			TM074	<11 ng/l
Acenaphthene Aqueous	<15	20	58	<15	-	18	<15			TM074	<15 ng/l
Fluorene Aqueous	<14	<14	24	<14	-	34	<14			TM074	<14 ng/l
Phenanthrene Aqueous	<22	<22	98	<22	-	<22	<22			TM074	<22 ng/l
Anthracene Aqueous	<15	22	29	17	-	31	<15			TM074	<15 ng/l
Fluoranthene Aqueous	<17	48	110	50	-	84	<17			TM074	<17 ng/l
Pyrene Aqueous	<15	56	160	52	-	64	<15			TM074	<15 ng/l
Benz(a)anthracene Aqueous	<17	<17	100	<17	-	24	<17			TM074	<17 ng/l
Chrysene Aqueous	<13	20	110	20	-	16	<13			TM074	<13 ng/l
Benzo(b)fluoranthene Aqueous	<23	28	180	26	-	<23	<23			TM074	<23 ng/l
Benzo(k)fluoranthene Aqueous	<27	<27	59	<27	-	<27	<27			TM074	<27 ng/l
Benzo(a)pyrene Aqueous	<9	12	73	11	-	17	<9			TM074	<9 ng/l
Indeno(123cd)pyrene Aqueous	<14	<14	47	<14	-	<14	<14			TM074	<14 ng/l
Dibenzo(ah)anthracene Aqueous	<16	<16	<16	<16	-	<16	<16			TM074	<16 ng/l
Benzo(ghi)perylene Aqueous	<16	16	130	<16	-	<16	<16			TM074	<16 ng/l
PAH 16 Total Aqueous	31	350	1300	180	-	310	<27			TM074	<27 ng/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
PCB 7 Congeners											
PCB congener 28	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 52	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 101	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 118	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 153	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 138	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 180	-	-	-	-	-	-	<10			TM070	<10 ng/l
Total of 7 Congener PCBs	-	-	-	-	-	-	<10			TM070	<10 ng/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
OCP/OPP											
Dichlorvos	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Mevinphos	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Alpha-BHC (Lindane)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Beta-BHC (Lindane)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Gamma-BHC (Lindane)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Diazinon	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Methyl Parathion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Heptachlor	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Fenitrothion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Malathion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Aldrin	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Parathion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Heptachlor Epoxide	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endosulphan I	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-DDE	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Dieldrin	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endrin	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endosulphan II	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-TDE(DDD)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Ethion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-DDT	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endosulphan sulphate	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-Methoxychlor	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Azinphos methyl	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l

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Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
SVOC by GCMS											
Phenols											
2-Chlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Methylphenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Nitrophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4-Dichlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4-Dimethylphenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4,5-Trichlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4,6-Trichlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Chloro-3-methylphenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Methylphenol	<1	<1	31	<1	-	<1	<1			TM176	<1 ug/l
4-Nitrophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Pentachlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Phenol	<1	<1	88	<1	-	<1	<1			TM176	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
PAHs											
2-Chloronaphthalene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Methylnaphthalene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Phthalates											
Bis(2-ethylhexyl) phthalate	<2	<2	15	<2	-	<2	<2			TM176	<2 ug/l
Butylbenzyl phthalate	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Di-n-butyl phthalate	<1	<1	3	<1	-	<1	<1			TM176	<1 ug/l
Di-n-Octyl phthalate	<5	<5	<10	<5	-	<5	<5			TM176	<5 ug/l
Diethyl phthalate	<1	<1	13	<1	-	<1	<1			TM176	<1 ug/l
Dimethyl phthalate	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Other Semi-volatiles											
1,2-Dichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
1,2,4-Trichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
1,3-Dichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
1,4-Dichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Nitroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4-Dinitrotoluene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,6-Dinitrotoluene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
3-Nitroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Bromophenylphenylether	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Chloroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Chlorophenylphenylether	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Nitroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Azobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Bis(2-chloroethoxy)methane	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Bis(2-chloroethyl)ether	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Carbazole	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Dibenzofuran	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Hexachlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
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ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Hexachlorocyclopentadiene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Hexachloroethane	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Isophorone	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
N-nitrosodi-n-propylamine	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Nitrobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l

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Validated ✓
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ISO 17025 accredited
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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Volatile Organic Compounds											
Dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromomethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
trans-1-2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Dichloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Carbon Disulphide	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1-Dichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Methyl Tertiary Butyl Ether	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
cis-1-2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chloroform	<1	2	<1	8	<1	<1	<1			TM116#	<1 ug/l
2.2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1.1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1-Dichloropropene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Benzene	<1	<1	<1	<1	1300	<1	<1			TM116#	<1 ug/l
Carbontetrachloride	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Dibromomethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Trichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
cis-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
trans-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1.2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Toluene	<1	<1	<1	<1	630	<1	<1			TM116#	<1 ug/l
1.3-Dichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Volatile Organic Compounds (cont)											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dibromoethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1.1.2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Ethylbenzene	<1	<1	<1	<1	14	<1	<1			TM116#	<1 ug/l
p/m-Xylene	<1	<1	<1	<1	200	<1	<1			TM116#	<1 ug/l
Bromoform	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Styrene	<1	<1	<1	<1	59	<1	<1			TM116#	<1 ug/l
1.1.2.2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
o-Xylene	<1	<1	<1	<1	100	<1	<1			TM116#	<1 ug/l
1.2.3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Isopropylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
2-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Propylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
4-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2.4-Trimethylbenzene	<1	<1	<1	1	33	<1	<1			TM116#	<1 ug/l
4-Isopropyltoluene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.3.5-Trimethylbenzene	<1	<1	<1	<1	18	<1	<1			TM116#	<1 ug/l
1.2-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.4-Dichlorobenzene	<1	<1	<1	3	<1	<1	<1			TM116#	<1 ug/l
sec-Butylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
tert-Butylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.3-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
n-Butylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dibromo-3-chloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2.4-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Naphthalene	<1	<1	<1	<1	2900	<1	<1			TM116#	<1 ug/l
1.2.3-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l

Date 08.10.2007

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM001	In - house Method	Screening of Soils for Fibres			WET	
TM018	BS 1377: Part 3 1990	Determination of Loss on Ignition	✓	✓	WET	
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999	Determination of BOD5 (ATU) by Oxygen Meter	✓		NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection			NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓		NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓	✓	WET	
TM068	ASTM D-1552	Total sulphur determination by combustion method	✓		DRY	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCB's) as Aroclor 1254 and the ICE 7 Congeners by GC-MS			NA	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCB's) as Aroclor 1254 and the ICE 7 Congeners by GC-MS	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.			NA	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water			NA	
TM097	Modified: US EPA Method 325.1 & 325.2	Determination of Chloride using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓		NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓	✓	DRY	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	✓		NA	
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser			WET	
TM102	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Total Oxidised Nitrogen using the Kone Analyser	✓		NA	
TM103	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Nitrite using the Kone Analyser	✓		NA	
TM104	Method 4500F, AWWA/APHA, 20th Ed., 1999	Determination of Fluoride using the Kone Analyser			NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS			NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM123	BS 2690: Part 121:1981	The Determination of Total dissolved Solids in Water			NA	
TM127	Method 3112B, AWWA/APHA, 20th Ed., 1999	The Determination of Trace Level Mercury in Aqueous Media and Soil Extracts by Atomic Absorption Spectroscopy			NA	
TM127	Method 3112B, AWWA/APHA, 20th Ed., 1999	The Determination of Trace Level Mercury in Aqueous Media and Soil Extracts by Atomic Absorption Spectroscopy	✓		NA	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓	✓	DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓		NA	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM136	Method 17.10, Second Site property, March 2003	Determination of Sulphur by HPLC	✓		NA	
TM144/145		Organochlorine and Organophosphorus pesticides by GC-MS			DRY	
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	✓		WET	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓		NA	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓		WET	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓	✓	WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
TM176		Determination of SVOCs in Water by GCMS			NA	
TM182		Determination of Acid Neutralisation Capacity (ANC) Using Autotitration			DRY	
TM61/89		see TM061 and TM089 for details			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Summary of Coolbox temperatures

Batch No.	Coolbox Temperature (°C)
1	18.0
2	17
3	15
4	14
5	13.4
6	12.8
7	15.8

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Geochem reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, an asbestos screen is done in-house on soils and if no fibres are found will be reported as NFD – no fibres detected. If asbestos is detected, then identification is carried out by ALcontrol Shutler. If a sample is suspected of containing asbestos, then further preparation and analysis will be suspended on that sample until the asbestos result is known. If asbestos is present, then no further analysis will be undertaken.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If no preserved sample is received for cyanide or phenol analysis (HPLC), the laboratory will preserve on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. **Surrogate recoveries** – Currently the only analysis, which is surrogate corrected, is PAHs on soils. For EPH on soils the result is not surrogate corrected, but a percentage recovery is quoted.
13. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
14. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
15. Total of 8 speciated phenols by HPLC includes Resorcinol, Catechol, Phenol, Napthol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
16. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
17. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Last updated October 2007

ALcontrol Geochem

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Wardell Armstrong LLP
Unit 5 Newton Business Centre
Thorncliffe Park
Sheffield
S35 2PH ATTN: Phil Hesketh

CERTIFICATE OF ANALYSIS

Date:	18 December, 2007
Our Reference:	07/13429/02/02
Your Reference:	SH03582
Location:	Barnsley Market

Supplement 002 to Report Number 07/13429/02/01.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials- whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Signed

Diane Whittlestone	**Jane Seymour**	**David O'Hare**	**Caroline Suttie**
Customer Services	Customer Services	Customer Services	Customer Services

Valid if signed by any of the above signatories.

Compiled By

Gemma Daly

UKAS TESTING
1291
GROUP

ALcontrol Geochem is a trading division of ALcontrol UK Limited.
Registered Office: Templeborough House, Mill Close, Rotherham, S60 1BZ. Registered in England and Wales No. 4057291

ALcontrol Geochem
TEST SCHEDULE

JOB NUMBER : 07/13429/02
CLIENT : Wardell Armstrong LLP
CONTACT : Phil Hesketh
DATE OF RECEIPT : 07/11/07
LOCATION : Barnsley Market

BATCH NUMBER : 8
CLIENT REF/CODE : SH03582
ORDER NUMBER : SM1555
TURNAROUND : 5 days

Numeric values indicate additional scheduling

* indicates test subcontracted

				UKAS Accredited ?		✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓		✓		✓					
Sample Number	Sample Identity	P / V	Depth	Sample Type	EPH CWG GC Aqueous (W)	GRO CWG GC (W)	Metals ICP-MS 9 (W)	Mercury Dissolved (W) (CVAA)	Chromium VI (W)	Cyanide Total (W)	Cyanide Free (W)	Thiocyanate (W)	Sulphate Kone (W)	Sulphide (W)	pH (W)	Phenols HPLC (W)	PAH Spec MS Aqueous (W)	Free Sulphur (W)	VOC MS (W)	SVOC excl PAH MS (W)	Hardness Total (W) (ICP-MS)	SVOC inc PAH MS (W)	PCB Total MS (W)	PAH Spec MS Aqueous (W)				
233	BH102A	0.5lglass	-	LIQUID																				X				
234	BH102A	0.5lplas	-	LIQUID	Sample on Hold																							
235	BH102A	Vial	-	LIQUID	Sample on Hold																							
236	BH102A	Vial	-	LIQUID	Sample on Hold																							
237	BH104	0.5lglass	-	LIQUID	X																	X						
238	BH104	0.5lplas	-	LIQUID	Sample on Hold																							
239	BH104	Vial	-	LIQUID		X																						
240	BH104	Vial	-	LIQUID	Sample on Hold																							
241	WAB4	Empty	-	LIQUID	Sample on Hold																							
242	WS105A	0.5lglass	-	LIQUID	X		X	X	X	X	X	X	X	X	X	X	X	X		X			X					
243	WS105A	Vial	-	LIQUID		X																						
244	WS105A	Vial	-	LIQUID															X									
245	WS119	0.5lglass	-	LIQUID	X			X								X	X	X		X								
246	WS119	0.5lplas	-	LIQUID			X		X	X	X	X	X	X	X						X							
247	WS119	Vial	-	LIQUID		X																						
248	WS119	Vial	-	LIQUID															X									
		Total Number of Tests			3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1				

Printed : 18/12/07 10:47:22

ISO 17025 Form	FORM NO:SQS 105
ALCONTROL LABORATORIES	SHEET 1 OF 1
	ISSUE NO: 2
	WRITTEN BY: DOH
Title of Form	ISSUE DATE: 27/01/05
Notification of NDP's (No determination possible).	APPROVED BY: DP

Job Number : 13429
Client : Wardell Armstrong
Sample Type : water

Job No.	Sample No.	Sample ID.	Analyte(s)	Reason
13429	242		Free Sulphur	insufficient sample for re extraction
	245		Free Sulphur	insufficient sample for re extraction

ISO 17025 Form	FORM NO:SQS 105
ALCONTROL LABORATORIES	SHEET 1 OF 1
	ISSUE NO: 2
	WRITTEN BY: DOH
Title of Form	ISSUE DATE: 27/01/05
Notification of NDP's (No determination possible).	APPROVED BY: DP

Job Number : 13429
Client : dell Armstrong LLP
Sample Type : Water

Job No.	Sample No.	Sample ID.	Analyte(s)	Reason
13429	242	WS105A	svoc	No sample left for re-ex, no duplicate either

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	233-236	237-240	242-244	245-248							
Hardness Total	-	-	-	330						TM152[#]	<1 mg/l
Arsenic Dissolved (ICP-MS)	-	-	57	<1						TM152[#]	<1 ug/l
Boron Dissolved (ICP-MS)	-	-	550	150						TM152[#]	<10 ug/l
Cadmium Dissolved (ICP-MS)	-	-	<0.4	<0.4						TM152[#]	<0.4 ug/l
Chromium Dissolved (ICP-MS)	-	-	12	1						TM152[#]	<1 ug/l
Copper Dissolved (ICP-MS)	-	-	1	<1						TM152[#]	<1 ug/l
Lead Dissolved (ICP-MS)	-	-	5	<1						TM152[#]	<1 ug/l
Nickel Dissolved (ICP-MS)	-	-	25	7						TM152[#]	<1 ug/l
Selenium Dissolved (ICP-MS)	-	-	37	<1						TM152[#]	<1 ug/l
Zinc Dissolved (ICP-MS)	-	-	73	<3						TM152[#]	<3 ug/l
Mercury Dissolved (CVAA)	-	-	<0.05	<0.05						TM127[#]	<0.05 ug/l
Sulphate (soluble)	-	-	1400	180						TM098[#]	<3 mg/l
Sulphide	-	-	<0.5	<0.5						TM101	<0.5 mg/l
Hexavalent Chromium	-	-	<0.30	<0.03						TM151[#]	<0.03 mg/l
Phenols Monohydric	-	-	610	<0.01						TM062[#]	<0.01 mg/l
Thiocyanate	-	-	56	0.06						TM153[#]	<0.05 mg/l
Total Cyanide	-	-	1.2	<0.05						TM153[#]	<0.05 mg/l
Free Cyanide	-	-	<0.05	<0.05						TM153[#]	<0.05 mg/l
Free Sulphur	-	-	NDP	NDP						TM136[#]	<0.05 mg/l
pH Value	-	-	8.26	8.34						TM133[#]	<1.00 pH Units

Date 18.12.2007

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ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	**233-236**	**237-240**	**242-244**	**245-248**							
GRO (C4-C12)	-	3700	21000	<10						TM089[#]	<10 ug/l
MTBE	-	<10	<10	<10						TM089[#]	<10 ug/l
Benzene	-	1300	6700	<10						TM089[#]	<10 ug/l
Toluene	-	420	2100	<10						TM089[#]	<10 ug/l
Ethyl benzene	-	30	41	<10						TM089[#]	<10 ug/l
m & p Xylene	-	470	540	<10						TM089[#]	<10 ug/l
o Xylene	-	210	240	<10						TM089[#]	<10 ug/l
Aliphatics C5-C6	-	<10	10	<10						TM089	<10 ug/l
Aliphatics >C6-C8	-	<10	<10	<10						TM089	<10 ug/l
Aliphatics >C8-C10	-	150	1200	<10						TM089	<10 ug/l
Aliphatics >C10-C12	-	360	3200	<10						TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	-	<10	<10	<10						TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	-	<10	<10	<10						TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	-	<10	<10	<10						TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	-	510	4400	<10						TM61/89	<10 ug/l
Aromatics C6-C7	-	1300	6700	<10						TM089[#]	<10 ug/l
Aromatics >C7-C8	-	420	2100	<10						TM089[#]	<10 ug/l
Aromatics >EC8-EC10	-	930	2600	<10						TM089	<10 ug/l
Aromatics >EC10-EC12	-	550	4700	<10						TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	-	620	8800	<10						TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	-	130	1100	<10						TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	-	<10	280	140						TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	-	4000	26000	140						TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	-	4500	31000	140						TM61/89	<10 ug/l

Date 18.12.2007

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ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
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Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	233-236	237-240	242-244	245-248							
PAH by GCMS											
Naphthalene Aqueous	58	-	3900000	180						TM074	<26 ng/l
Acenaphthylene Aqueous	<11	-	180000	91						TM074	<11 ng/l
Acenaphthene Aqueous	<15	-	11000	120						TM074	<15 ng/l
Fluorene Aqueous	25	-	46000	84						TM074	<14 ng/l
Phenanthrene Aqueous	80	-	60000	1000						TM074	<22 ng/l
Anthracene Aqueous	<15	-	13000	480						TM074	<15 ng/l
Fluoranthene Aqueous	34	-	17000	9000						TM074	<17 ng/l
Pyrene Aqueous	30	-	12000	9000						TM074	<15 ng/l
Benz(a)anthracene Aqueous	<17	-	3000	5500						TM074	<17 ng/l
Chrysene Aqueous	<13	-	2300	5500						TM074	<13 ng/l
Benzo(b)fluoranthene Aqueous	<23	-	1100	7600						TM074	<23 ng/l
Benzo(k)fluoranthene Aqueous	<27	-	<1080	3300						TM074	<27 ng/l
Benzo(a)pyrene Aqueous	10	-	900	6400						TM074	<9 ng/l
Indeno(123cd)pyrene Aqueous	<14	-	<560	3200						TM074	<14 ng/l
Dibenzo(ah)anthracene Aqueous	<16	-	<640	790						TM074	<16 ng/l
Benzo(ghi)perylene Aqueous	<16	-	<640	3900						TM074	<16 ng/l
PAH 16 Total Aqueous	240	-	4300000	56000						TM074	<27 ng/l

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Validated ✓
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ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	**233-236**	**237-240**	**242-244**	**245-248**							
PCBs (vs Aroclor 1254)	-	-	<26	-						TM070[#]	<26 ug/l

Date 18.12.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	233-236	237-240	242-244	245-248							
SVOC by GCMS											
Phenols											
2-Chlorophenol	-	<1	NDP	<1						TM176	<1 ug/l
2-Methylphenol	-	400	NDP	<1						TM176	<1 ug/l
2-Nitrophenol	-	<1	NDP	<1						TM176	<1 ug/l
2,4-Dichlorophenol	-	<1	NDP	<1						TM176	<1 ug/l
2,4-Dimethylphenol	-	490	NDP	<1						TM176	<1 ug/l
2,4,5-Trichlorophenol	-	<1	NDP	<1						TM176	<1 ug/l
2,4,6-Trichlorophenol	-	<1	NDP	<1						TM176	<1 ug/l
4-Chloro-3-methylphenol	-	<1	NDP	<1						TM176	<1 ug/l
4-Methylphenol	-	200	NDP	<1						TM176	<1 ug/l
4-Nitrophenol	-	<1	NDP	<1						TM176	<1 ug/l
Pentachlorophenol	-	<1	NDP	<1						TM176	<1 ug/l
Phenol	-	<1	NDP	<1						TM176	<1 ug/l
PAHs											
2-Chloronaphthalene	-	<1	NDP	<1						TM176	<1 ug/l
2-Methylnaphthalene	-	1	NDP	<1						TM176	<1 ug/l
Acenaphthene	-	<1	-	-						TM176	<1 ug/l
Acenaphthylene	-	2	-	-						TM176	<1 ug/l
Anthracene	-	<1	-	-						TM176	<1 ug/l
Benzo(a)anthracene	-	<1	-	-						TM176	<1 ug/l
Benzo(a)pyrene	-	<1	-	-						TM176	<1 ug/l
Benzo(b)fluoranthene	-	<1	-	-						TM176	<1 ug/l
Benzo(ghi)perylene	-	<1	-	-						TM176	<1 ug/l
Benzo(k)fluoranthene	-	<1	-	-						TM176	<1 ug/l
Chrysene	-	<1	-	-						TM176	<1 ug/l
Dibenzo(a,h)anthracene	-	<1	-	-						TM176	<1 ug/l
Fluoranthene	-	<1	-	-						TM176	<1 ug/l
Fluorene	-	<1	-	-						TM176	<1 ug/l
Indeno(1,2,3-cd)pyrene	-	<1	-	-						TM176	<1 ug/l

Date 18.12.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	233-236	237-240	242-244	245-248							
PAHs (cont)											
Naphthalene	-	<1	-	-						TM176	<1 ug/l
Phenanthrene	-	<1	-	-						TM176	<1 ug/l
Pyrene	-	<1	-	-						TM176	<1 ug/l
Phthalates											
Bis(2-ethylhexyl) phthalate	-	<2	NDP	14						TM176	<2 ug/l
Butylbenzyl phthalate	-	<1	NDP	<1						TM176	<1 ug/l
Di-n-butyl phthalate	-	<1	NDP	<1						TM176	<1 ug/l
Di-n-Octyl phthalate	-	<5	NDP	<5						TM176	<5 ug/l
Diethyl phthalate	-	<1	NDP	<1						TM176	<1 ug/l
Dimethyl phthalate	-	<1	NDP	<1						TM176	<1 ug/l
Other Semi-volatiles											
1,2-Dichlorobenzene	-	<1	NDP	<1						TM176	<1 ug/l
1,2,4-Trichlorobenzene	-	<1	NDP	<1						TM176	<1 ug/l
1,3-Dichlorobenzene	-	<1	NDP	<1						TM176	<1 ug/l
1,4-Dichlorobenzene	-	<1	NDP	<1						TM176	<1 ug/l
2-Nitroaniline	-	<1	NDP	<1						TM176	<1 ug/l
2,4-Dinitrotoluene	-	<1	NDP	<1						TM176	<1 ug/l
2,6-Dinitrotoluene	-	<1	NDP	<1						TM176	<1 ug/l
3-Nitroaniline	-	<1	NDP	<1						TM176	<1 ug/l
4-Bromophenylphenylether	-	<1	NDP	<1						TM176	<1 ug/l
4-Chloroaniline	-	<1	NDP	<1						TM176	<1 ug/l
4-Chlorophenylphenylether	-	<1	NDP	<1						TM176	<1 ug/l
4-Nitroaniline	-	<1	NDP	<1						TM176	<1 ug/l
Azobenzene	-	<1	NDP	<1						TM176	<1 ug/l
Bis(2-chloroethoxy)methane	-	<1	NDP	<1						TM176	<1 ug/l
Bis(2-chloroethyl)ether	-	<1	NDP	<1						TM176	<1 ug/l
Carbazole	-	8	NDP	<1						TM176	<1 ug/l
Dibenzofuran	-	<1	NDP	<1						TM176	<1 ug/l

Date 18.12.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	**233-236**	**237-240**	**242-244**	**245-248**							
Other Semi-volatiles (cont)											
Hexachlorobenzene	-	<1	NDP	<1						TM176	<1 ug/l
Hexachlorobutadiene	-	<1	NDP	<1						TM176	<1 ug/l
Hexachlorocyclopentadiene	-	<1	NDP	<1						TM176	<1 ug/l
Hexachloroethane	-	<1	NDP	<1						TM176	<1 ug/l
Isophorone	-	<1	NDP	<1						TM176	<1 ug/l
N-nitrosodi-n-propylamine	-	<1	NDP	<1						TM176	<1 ug/l
Nitrobenzene	-	<1	NDP	<1						TM176	<1 ug/l

Date 18.12.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	233-236	237-240	242-244	245-248							
Volatile Organic Compounds											
Dichlorodifluoromethane	-	-	<1	<1						TM116[#]	<1 ug/l
Chloromethane	-	-	<1	<1						TM116[#]	<1 ug/l
Vinyl Chloride	-	-	<1	<1						TM116[#]	<1 ug/l
Bromomethane	-	-	<1	<1						TM116[#]	<1 ug/l
Chloroethane	-	-	<1	<1						TM116[#]	<1 ug/l
Trichlorofluoromethane	-	-	<1	<1						TM116[#]	<1 ug/l
trans-1-2-Dichloroethene	-	-	<1	<1						TM116[#]	<1 ug/l
Dichloromethane	-	-	<1	<1						TM116[#]	<1 ug/l
Carbon Disulphide	-	-	<1	<1						TM116[#]	<1 ug/l
1.1-Dichloroethene	-	-	<1	<1						TM116[#]	<1 ug/l
1.1-Dichloroethane	-	-	<1	<1						TM116[#]	<1 ug/l
Methyl Tertiary Butyl Ether	-	-	<1	<1						TM116[#]	<1 ug/l
cis-1-2-Dichloroethene	-	-	<1	<1						TM116[#]	<1 ug/l
Bromochloromethane	-	-	<1	<1						TM116[#]	<1 ug/l
Chloroform	-	-	<1	<1						TM116[#]	<1 ug/l
2.2-Dichloropropane	-	-	<1	<1						TM116[#]	<1 ug/l
1.2-Dichloroethane	-	-	<1	<1						TM116[#]	<1 ug/l
1.1.1-Trichloroethane	-	-	<1	<1						TM116[#]	<1 ug/l
1.1-Dichloropropene	-	-	<1	<1						TM116[#]	<1 ug/l
Benzene	-	-	6600	<1						TM116[#]	<1 ug/l
Carbontetrachloride	-	-	<1	<1						TM116[#]	<1 ug/l
Dibromomethane	-	-	<1	<1						TM116[#]	<1 ug/l
1.2-Dichloropropane	-	-	<1	<1						TM116[#]	<1 ug/l
Bromodichloromethane	-	-	<1	<1						TM116[#]	<1 ug/l
Trichloroethene	-	-	<1	9						TM116[#]	<1 ug/l
cis-1-3-Dichloropropene	-	-	<1	<1						TM116[#]	<1 ug/l
trans-1-3-Dichloropropene	-	-	<1	<1						TM116[#]	<1 ug/l
1.1.2-Trichloroethane	-	-	<1	<1						TM116[#]	<1 ug/l
Toluene	-	-	1800	3						TM116[#]	<1 ug/l
1.3-Dichloropropane	-	-	<1	<1						TM116[#]	<1 ug/l

Date 18.12.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	233-236	237-240	242-244	245-248							
Volatile Organic Compounds (cont)											
Dibromochloromethane	-	-	<1	<1						TM116#	<1 ug/l
1.2-Dibromoethane	-	-	<1	<1						TM116#	<1 ug/l
Tetrachloroethene	-	-	<1	<1						TM116#	<1 ug/l
1.1.1.2-Tetrachloroethane	-	-	<1	<1						TM116#	<1 ug/l
Chlorobenzene	-	-	<1	<1						TM116#	<1 ug/l
Ethylbenzene	-	-	28	<1						TM116#	<1 ug/l
p/m-Xylene	-	-	420	<1						TM116#	<1 ug/l
Bromoform	-	-	<1	<1						TM116#	<1 ug/l
Styrene	-	-	150	<1						TM116#	<1 ug/l
1.1.2.2-Tetrachloroethane	-	-	<1	<1						TM116#	<1 ug/l
o-Xylene	-	-	200	<1						TM116#	<1 ug/l
1.2.3-Trichloropropane	-	-	<1	<1						TM116#	<1 ug/l
Isopropylbenzene	-	-	<1	<1						TM116#	<1 ug/l
Bromobenzene	-	-	<1	<1						TM116#	<1 ug/l
2-Chlorotoluene	-	-	<1	<1						TM116#	<1 ug/l
Propylbenzene	-	-	<1	<1						TM116#	<1 ug/l
4-Chlorotoluene	-	-	<1	<1						TM116#	<1 ug/l
1.2.4-Trimethylbenzene	-	-	50	<1						TM116#	<1 ug/l
4-Isopropyltoluene	-	-	14	<1						TM116#	<1 ug/l
1.3.5-Trimethylbenzene	-	-	26	<1						TM116#	<1 ug/l
1.2-Dichlorobenzene	-	-	<1	<1						TM116#	<1 ug/l
1.4-Dichlorobenzene	-	-	<1	<1						TM116#	<1 ug/l
sec-Butylbenzene	-	-	<1	<1						TM116#	<1 ug/l
tert-Butylbenzene	-	-	<1	<1						TM116#	<1 ug/l
1.3-Dichlorobenzene	-	-	<1	<1						TM116#	<1 ug/l
n-Butylbenzene	-	-	<1	<1						TM116#	<1 ug/l
1.2-Dibromo-3-chloropropane	-	-	<1	<1						TM116#	<1 ug/l
1.2.4-Trichlorobenzene	-	-	<1	<1						TM116#	<1 ug/l
Naphthalene	-	-	6400	<1						TM116#	<1 ug/l
1.2.3-Trichlorobenzene	-	-	<1	<1						TM116#	<1 ug/l

Date 18.12.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/02 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Market
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH102A	BH104	WS105A	WS119						Method Code	LoD/Units
Depth (m)	-	-	-	-							
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID							
Sampled Date	06.11.07	06.11.07	06.11.07	06.11.07							
Sample Received Date	07.11.07	07.11.07	07.11.07	07.11.07							
Batch	8	8	8	8							
Sample Number(s)	**233-236**	**237-240**	**242-244**	**245-248**							
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	-	-	<1	<1						TM116[#]	<1 ug/l

Date 18.12.2007

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/02
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓		NA	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCB's) as Aroclor 1254 and the ICE 7 Congeners by GC-MS	✓		NA	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.			NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓		NA	
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser			NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		NA	
TM127	Method 3112B, AWWA/APHA, 20th Ed., 1999	The Determination of Trace Level Mercury in Aqueous Media and Soil Extracts by Atomic Absorption Spectroscopy	✓		NA	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓		NA	
TM136	Method 17.10, Second Site property, March 2003	Determination of Sulphur by HPLC	✓		NA	
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	✓		NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓		NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓		NA	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/02
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
TM176		Determination of SVOCs in Water by GCMS			NA	
TM61/89		see TM061 and TM089 for details			NA	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/02
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Summary of Coolbox temperatures

Batch No.	Coolbox Temperature (°C)
8	4.6

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Geochem reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, an asbestos screen is done in-house on soils and if no fibres are found will be reported as NFD – no fibres detected. If asbestos is detected, then identification is carried out by ALcontrol Shutler. If a sample is suspected of containing asbestos, then further preparation and analysis will be suspended on that sample until the asbestos result is known. If asbestos is present, then no further analysis will be undertaken.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If no preserved sample is received for cyanide or phenol analysis (HPLC), the laboratory will preserve on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. **Surrogate recoveries** – Currently the only analysis, which is surrogate corrected, is PAHs on soils. For EPH on soils the result is not surrogate corrected, but a percentage recovery is quoted.
13. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
14. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
15. Total of 8 speciated phenols by HPLC includes Resorcinol, Catechol, Phenol, Napthol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
16. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
17. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

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Wardell Armstrong LLP
Unit 4 Newton Business Centre
Thorncliffe Park
Sheffield
S35 2PH ATTN: Phil Hesketh

CERTIFICATE OF ANALYSIS

Date: 03 June, 2008

Our Reference: 08/04324/02/01

Your Reference: SH03582

Location: Not Specified

A total of 657 samples was received for analysis between Friday, 29 February 2008 and Thursday, 10 April 2008 and completed on Wednesday, 07 May 2008. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials- whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Signed

Diane Whittlestone
Tech. Support Manager

David O'Hare
Project Manager

Caroline Suttie
Project Coordinator
Team Leader

Valid if signed by any of the above signatories.

Compiled By

Gemma Daly

1291
GROUP

ALcontrol Laboratories is a trading division of ALcontrol UK Limited.
Registered Office: Templeborough House, Mill Close, Rotherham, S60 1BZ. Registered in England and Wales No. 4057291

Validated ☑
Preliminary ☐

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	**595-598**	**599-602**	**603-606**	**607-610**	**611-612,614-615**	**613,616-618**	**631-634**	**619-622**	**635-636,638**		
Hardness Total	-	650	640	-	-	-	-	130	-	TM152#	<1 mg/l
Arsenic Dissolved (ICP-MS)	-	-	2.2	7.5	1.1	12	<0.75	-	1.4	TM152#	<0.75 ug/l
Barium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<1 ug/l
Boron Dissolved (ICP-MS)	-	-	68	46	84	76	<20	-	<20	TM152#	<20 ug/l
Cadmium Dissolved (ICP-MS)	-	-	0.47	<0.22	<0.22	<0.22	<0.22	-	<0.22	TM152#	<0.22 ug/l
Calcium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<160 ug/l
Chromium Dissolved (ICP-MS)	-	-	<1	<1	<1	<1	1	-	2	TM152#	<1 ug/l
Copper Dissolved (ICP-MS)	-	-	<1.6	1.7	<1.6	<1.6	<1.6	-	<1.6	TM152#	<1.6 ug/l
Iron Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<50 ug/l
Lead Dissolved (ICP-MS)	-	-	9.4	<0.4	<0.4	0.4	<0.4	-	<0.4	TM152#	<0.4 ug/l
Magnesium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<40 ug/l
Nickel Dissolved (ICP-MS)	-	-	9.4	29	16	3.5	18	-	12	TM152#	<1.5 ug/l
Phosphorus Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<105 ug/l
Selenium Dissolved (ICP-MS)	10	-	6	54	1	7	3	-	2	TM152#	<1 ug/l
Vanadium Dissolved (ICP-MS)	-	-	-	-	-	-	-	-	-	TM152#	<1 ug/l
Zinc Dissolved (ICP-MS)	-	-	170	57	17	23	150	-	13	TM152#	<5 ug/l
Mercury Dissolved (CVAF)	-	-	<0.01	0.02	<0.01	<0.01	<0.01	-	<0.01	TM183#	<0.01 ug/l
BOD	-	-	-	-	-	-	-	-	-	TM045#	<1 mg/l
Nitrate as NO3	-	-	-	-	-	-	-	-	-	TM102#	<0.3 mg/l
Nitrite as NO2	-	-	-	-	-	-	-	-	-	TM103#	<0.05 mg/l
Sulphate (soluble)	1700	-	300	370	320	260	270	-	240	TM098#	<3 mg/l
Sulphide	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	TM101	<0.5 mg/l
Ammoniacal Nitrogen as N	-	-	-	-	-	-	-	-	-	TM099#	<0.2 mg/l
Hexavalent Chromium	-	-	<0.03	<0.03	<0.30	<0.03	<0.03	-	<0.03	TM151#	<0.03 mg/l
Phenols Monohydric	-	-	0.73	470	0.04	<0.01	-	-	-	TM062#	<0.01 mg/l
Phenols Monohydric	-	-	-	-	-	-	<0.35	-	<0.35	TM062#	<0.35 mg/l
Thiocyanate	-	-	0.12	13	0.06	<0.05	<0.05	-	<0.05	TM153#	<0.05 mg/l
Total Cyanide	-	-	<0.05	0.16	<0.05	<0.05	<0.05	-	<0.05	TM153#	<0.05 mg/l
Free Cyanide	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	TM153#	<0.05 mg/l
Escherichia Coli*	-	-	-	-	-	-	-	-	-		CFU/100ml
Free Sulphur	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	TM136#	<0.05 mg/l

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[#] ISO 17025 accredited
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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	**595-598**	**599-602**	**603-606**	**607-610**	**611-612,614-615**	**613,616-618**	**631-634**	**619-622**	**635-636,638**		
pH Value	-	-	7.09	8.20	6.47	8.55	8.09	-	7.63	TM133[#]	<1.00 pH Units
Total Coliforms*	-	-	-	-	-	-	-	-	-		CFU/100ml

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	**595-598**	**599-602**	**603-606**	**607-610**	**611-612,614-615**	**613,616-618**	**631-634**	**619-622**	**635-636,638**		
GRO (C4-C12)	<10	-	28	34000	<10	<10	<10	-	-	TM089[#]	<10 ug/l
MTBE	<10	-	<10	<10	<10	<10	<10	-	-	TM089[#]	<10 ug/l
Benzene	<10	-	28	13000	<10	<10	<10	-	-	TM089[#]	<10 ug/l
Toluene	<10	-	<10	4800	<10	<10	<10	-	-	TM089[#]	<10 ug/l
Ethyl benzene	<10	-	<10	130	<10	<10	<10	-	-	TM089[#]	<10 ug/l
m & p Xylene	<10	-	<10	950	<10	<10	<10	-	-	TM089[#]	<10 ug/l
o Xylene	<10	-	<10	360	<10	<10	<10	-	-	TM089[#]	<10 ug/l
Aliphatics C5-C6	<10	-	<10	11	<10	<10	<10	-	-	TM089	<10 ug/l
Aliphatics >C6-C8	<10	-	<10	1100	<10	<10	<10	-	-	TM089	<10 ug/l
Aliphatics >C8-C10	<10	-	<10	1200	<10	<10	<10	-	-	TM089	<10 ug/l
Aliphatics >C10-C12	<10	-	<10	4000	<10	<10	<10	-	-	TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10	-	<10	<10	<10	<10	<10	-	<10	TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10	-	<10	<10	<10	<10	<10	-	<10	TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10	-	<10	<10	<10	<10	<10	-	<10	TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10	-	<10	6300	<10	<10	<10	-	<10	TM61/89	<10 ug/l
Aromatics C6-C7	<10	-	28	13000	<10	<10	<10	-	-	TM089[#]	<10 ug/l
Aromatics >C7-C8	<10	-	<10	4800	<10	<10	<10	-	-	TM089[#]	<10 ug/l
Aromatics >EC8-EC10	<10	-	<10	3300	<10	<10	<10	-	-	TM089	<10 ug/l
Aromatics >EC10-EC12	<10	-	<10	6000	<10	<10	<10	-	-	TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10	-	<10	3200	<10	<10	<10	-	<10	TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10	-	<10	550	<10	<10	<10	-	<10	TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10	-	<10	150	<10	<10	<10	-	<10	TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10	-	28	31000	<10	<10	<10	-	<10	TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	<10	-	28	38000	<10	<10	<10	-	<10	TM61/89	<10 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
PAH by GCMS											
Naphthalene Aqueous	-	-	24000	3900000	920	220	<100	-	<100	TM178	<100 ng/l
Acenaphthylene Aqueous	-	-	5300	260000	41	440	<11	-	<11	TM178	<11 ng/l
Acenaphthene Aqueous	-	-	720	38000	<15	8700	<15	-	<15	TM178	<15 ng/l
Fluorene Aqueous	-	-	2400	110000	16	1300	<14	-	<14	TM178	<14 ng/l
Phenanthrene Aqueous	-	-	3600	250000	<22	100	<22	-	<22	TM178	<22 ng/l
Anthracene Aqueous	-	-	590	51000	<15	420	<15	-	<15	TM178	<15 ng/l
Fluoranthene Aqueous	-	-	570	69000	<17	1700	<17	-	27	TM178	<17 ng/l
Pyrene Aqueous	-	-	380	49000	<15	980	<15	-	26	TM178	<15 ng/l
Benz(a)anthracene Aqueous	-	-	18	6900	<17	73	<17	-	<17	TM178	<17 ng/l
Chrysene Aqueous	-	-	13	6800	<13	48	<13	-	<13	TM178	<13 ng/l
Benzo(b)fluoranthene Aqueous	-	-	<23	2600	<23	35	<23	-	<23	TM178	<23 ng/l
Benzo(k)fluoranthene Aqueous	-	-	<27	<2700	<27	<27	<27	-	<27	TM178	<27 ng/l
Benzo(a)pyrene Aqueous	-	-	<9	1900	<9	29	<9	-	12	TM178	<9 ng/l
Indeno(123cd)pyrene Aqueous	-	-	<14	<1400	<14	<14	<14	-	<14	TM178	<14 ng/l
Dibenzo(ah)anthracene Aqueous	-	-	<16	<1600	<16	<16	<16	-	<16	TM178	<16 ng/l
Benzo(ghi)perylene Aqueous	-	-	<16	<1600	<16	<16	<16	-	<16	TM178	<16 ng/l
PAH 16 Total Aqueous	-	-	38000	4700000	970	14000	<100	-	<100	TM178	<100 ng/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
SVOC by GCMS											
Phenols											
2-Chlorophenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2-Methylphenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2-Nitrophenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2,4-Dichlorophenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2,4-Dimethylphenol	1	-	8	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2,4,5-Trichlorophenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2,4,6-Trichlorophenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
4-Chloro-3-methylphenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
4-Methylphenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
4-Nitrophenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Pentachlorophenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Phenol	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
PAHs											
2-Chloronaphthalene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2-Methylnaphthalene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Acenaphthene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Acenaphthylene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Anthracene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Benzo(a)anthracene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Benzo(a)pyrene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Benzo(b)fluoranthene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Benzo(ghi)perylene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Benzo(k)fluoranthene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Chrysene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Dibenzo(a,h)anthracene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Fluoranthene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Fluorene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Indeno(1,2,3-cd)pyrene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Naphthalene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Phenanthrene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Pyrene	<1	-	-	-	-	-	-	-	-	TM176	<1 ug/l
Phthalates											
Bis(2-ethylhexyl) phthalate	<2	-	<2	NDP	<2	<2	<2	-	-	TM176	<2 ug/l
Butylbenzyl phthalate	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Di-n-butyl phthalate	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Di-n-Octyl phthalate	<5	-	<5	NDP	<5	<5	<5	-	-	TM176	<5 ug/l
Diethyl phthalate	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Dimethyl phthalate	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Other Semi-volatiles											
1,2-Dichlorobenzene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
1,2,4-Trichlorobenzene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l

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Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
Other Semi-volatiles (cont)											
1,3-Dichlorobenzene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
1,4-Dichlorobenzene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2-Nitroaniline	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2,4-Dinitrotoluene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
2,6-Dinitrotoluene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
3-Nitroaniline	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
4-Bromophenylphenylether	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
4-Chloroaniline	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
4-Chlorophenylphenylether	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
4-Nitroaniline	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Azobenzene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Bis(2-chloroethoxy)methane	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Bis(2-chloroethyl)ether	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Carbazole	<1	-	4	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Dibenzofuran	<1	-	1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Hexachlorobenzene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Hexachlorobutadiene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Hexachlorocyclopentadiene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Hexachloroethane	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Isophorone	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
N-nitrosodi-n-propylamine	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l
Nitrobenzene	<1	-	<1	NDP	<1	<1	<1	-	-	TM176	<1 ug/l

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Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
Volatile Organic Compounds											
Dichlorodifluoromethane	-	-	-	-	-	-	<0.9	-	-	TM208#	<0.9 ug/l
Dichlorodifluoromethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Chloromethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Chloromethane	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
Vinyl Chloride	-	-	<1	<10	<1	<1	<1	-	-	TM208#	<1 ug/l
Bromomethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Bromomethane	-	-	-	-	-	-	<1.5	-	-	TM208#	<1.5 ug/l
Chloroethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Chloroethane	-	-	-	-	-	-	<2.4	-	-	TM208#	<2.4 ug/l
Trichlorofluoromethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Trichlorofluoromethane	-	-	-	-	-	-	<1.6	-	-	TM208#	<1.6 ug/l
trans-1-2-Dichloroethene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
trans-1-2-Dichloroethene	-	-	-	-	-	-	<1.7	-	-	TM208#	<1.7 ug/l
Dichloromethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Dichloromethane	-	-	-	-	-	-	<3.2	-	-	TM208#	<3.2 ug/l
Carbon Disulphide	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Carbon Disulphide	-	-	-	-	-	-	<1.5	-	-	TM208#	<1.5 ug/l
1.1-Dichloroethene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.1-Dichloroethene	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
1.1-Dichloroethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.1-Dichloroethane	-	-	-	-	-	-	<1.2	-	-	TM208#	<1.2 ug/l
Methyl Tertiary Butyl Ether	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Methyl Tertiary Butyl Ether	-	-	-	-	-	-	<2	-	-	TM208#	<2 ug/l
cis-1-2-Dichloroethene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
cis-1-2-Dichloroethene	-	-	-	-	-	-	<2	-	-	TM208#	<2 ug/l
Bromochloromethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Bromochloromethane	-	-	-	-	-	-	<1.8	-	-	TM208#	<1.8 ug/l
Chloroform	-	-	<1	<10	<1	6	-	-	-	TM208#	<1 ug/l
Chloroform	-	-	-	-	-	-	<1.6	-	-	TM208#	<1.6 ug/l
2.2-Dichloropropane	-	-	<1	<10	<1	<1	-	-	-	TM208	<1 ug/l

Date 09.06.2008

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ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
Volatile Organic Compounds (cont)											
2.2-Dichloropropane	-	-	-	-	-	-	<1.4	-	-	TM208	<1.4 ug/l
1.2-Dichloroethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2-Dichloroethane	-	-	-	-	-	-	<3.5	-	-	TM208#	<3.5 ug/l
1.1.1-Trichloroethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.1.1-Trichloroethane	-	-	-	-	-	-	<1.3	-	-	TM208#	<1.3 ug/l
1.1-Dichloropropene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.1-Dichloropropene	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
Benzene	-	-	22	16000	<1	2	-	-	-	TM208#	<1 ug/l
Benzene	-	-	-	-	-	-	<1.2	-	-	TM208#	<1.2 ug/l
Carbontetrachloride	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Carbontetrachloride	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
Dibromomethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Dibromomethane	-	-	-	-	-	-	<2.8	-	-	TM208#	<2.8 ug/l
1.2-Dichloropropane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2-Dichloropropane	-	-	-	-	-	-	<2.8	-	-	TM208#	<2.8 ug/l
Bromodichloromethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Bromodichloromethane	-	-	-	-	-	-	<1.1	-	-	TM208#	<1.1 ug/l
Trichloroethene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Trichloroethene	-	-	-	-	-	-	<2.3	-	-	TM208#	<2.3 ug/l
cis-1-3-Dichloropropene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
cis-1-3-Dichloropropene	-	-	-	-	-	-	<1.9	-	-	TM208#	<1.9 ug/l
trans-1-3-Dichloropropene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
trans-1-3-Dichloropropene	-	-	-	-	-	-	<2.9	-	-	TM208#	<2.9 ug/l
1.1.2-Trichloroethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.1.2-Trichloroethane	-	-	-	-	-	-	<2	-	-	TM208#	<2 ug/l
Toluene	-	-	9	5500	<1	3	-	-	-	TM208#	<1 ug/l
Toluene	-	-	-	-	-	-	<1.1	-	-	TM208#	<1.1 ug/l
1.3-Dichloropropane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.3-Dichloropropane	-	-	-	-	-	-	<1.9	-	-	TM208#	<1.9 ug/l
Dibromochloromethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l

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ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
Volatile Organic Compounds (cont)											
Dibromochloromethane	-	-	-	-	-	-	<1.7	-	-	TM208#	<1.7 ug/l
1.2-Dibromoethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2-Dibromoethane	-	-	-	-	-	-	<2.2	-	-	TM208#	<2.2 ug/l
Tetrachloroethene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Tetrachloroethene	-	-	-	-	-	-	<1.6	-	-	TM208#	<1.6 ug/l
1.1.1.2-Tetrachloroethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.1.1.2-Tetrachloroethane	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
Chlorobenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Chlorobenzene	-	-	-	-	-	-	<3.5	-	-	TM208#	<3.5 ug/l
Ethylbenzene	-	-	<1	130	<1	3	-	-	-	TM208#	<1 ug/l
Ethylbenzene	-	-	-	-	-	-	<1.5	-	-	TM208#	<1.5 ug/l
p/m-Xylene	-	-	12	1200	<1	7	-	-	-	TM208#	<1 ug/l
p/m-Xylene	-	-	-	-	-	-	<1.7	-	-	TM208#	<1.7 ug/l
Bromoform	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Bromoform	-	-	-	-	-	-	<3	-	-	TM208#	<3 ug/l
Styrene	-	-	-	-	-	-	<0.9	-	-	TM208#	<0.9 ug/l
Styrene	-	-	<1	430	<1	<1	-	-	-	TM208#	<1 ug/l
1.1.2.2-Tetrachloroethane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.1.2.2-Tetrachloroethane	-	-	-	-	-	-	<4.4	-	-	TM208#	<4.4 ug/l
o-Xylene	-	-	<1	470	<1	6	-	-	-	TM208#	<1 ug/l
o-Xylene	-	-	-	-	-	-	<1.3	-	-	TM208#	<1.3 ug/l
1.2.3-Trichloropropane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2.3-Trichloropropane	-	-	-	-	-	-	<8.6	-	-	TM208#	<8.6 ug/l
Isopropylbenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Isopropylbenzene	-	-	-	-	-	-	<1.6	-	-	TM208#	<1.6 ug/l
Bromobenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
Bromobenzene	-	-	-	-	-	-	<1.1	-	-	TM208#	<1.1 ug/l
2-Chlorotoluene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
2-Chlorotoluene	-	-	-	-	-	-	<1.7	-	-	TM208#	<1.7 ug/l
Propylbenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l

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ALcontrol Laboratories Analytical Services
Table Of Results

ISO 17025 accredited
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* Subcontracted test
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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	595-598	599-602	603-606	607-610	611-612,614-615	613,616-618	631-634	619-622	635-636,638		
Volatile Organic Compounds (cont)											
Propylbenzene	-	-	-	-	-	-	<2.5	-	-	TM208#	<2.5 ug/l
4-Chlorotoluene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
4-Chlorotoluene	-	-	-	-	-	-	<1.7	-	-	TM208#	<1.7 ug/l
1.2.4-Trimethylbenzene	-	-	<1	240	<1	<1	-	-	-	TM208#	<1 ug/l
1.2.4-Trimethylbenzene	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
4-Isopropyltoluene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
4-Isopropyltoluene	-	-	-	-	-	-	<2.5	-	-	TM208#	<2.5 ug/l
1.3.5-Trimethylbenzene	-	-	<1	160	<1	3	-	-	-	TM208#	<1 ug/l
1.3.5-Trimethylbenzene	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
1.2-Dichlorobenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2-Dichlorobenzene	-	-	-	-	-	-	<2.6	-	-	TM208#	<2.6 ug/l
1.4-Dichlorobenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.4-Dichlorobenzene	-	-	-	-	-	-	<1.4	-	-	TM208#	<1.4 ug/l
sec-Butylbenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
sec-Butylbenzene	-	-	-	-	-	-	<1.1	-	-	TM208#	<1.1 ug/l
tert-Butylbenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
tert-Butylbenzene	-	-	-	-	-	-	<1.5	-	-	TM208#	<1.5 ug/l
1.3-Dichlorobenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.3-Dichlorobenzene	-	-	-	-	-	-	<1.8	-	-	TM208#	<1.8 ug/l
n-Butylbenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
n-Butylbenzene	-	-	-	-	-	-	<1.8	-	-	TM208#	<1.8 ug/l
1.2-Dibromo-3-chloropropane	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2-Dibromo-3-chloropropane	-	-	-	-	-	-	<9.9	-	-	TM208#	<9.9 ug/l
1.2.4-Trichlorobenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2.4-Trichlorobenzene	-	-	-	-	-	-	<1.5	-	-	TM208#	<1.5 ug/l
Naphthalene	-	-	23	10000	<1	<1	-	-	-	TM208#	<1 ug/l
Naphthalene	-	-	-	-	-	-	<3.6	-	-	TM208#	<3.6 ug/l
1.2.3-Trichlorobenzene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l
1.2.3-Trichlorobenzene	-	-	-	-	-	-	<2.8	-	-	TM208#	<2.8 ug/l
Hexachlorobutadiene	-	-	<1	<10	<1	<1	-	-	-	TM208#	<1 ug/l

Date 09.06.2008

Validated ☑
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ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH104	BH202	BH207D	BH207S	BH208D	BH208S	BH210	BH211	BH213AD	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	03.04.08	08.04.08	04.04.08	08.04.08		
Sample Received Date	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	05.04.08	10.04.08	05.04.08	10.04.08		
Batch	7	7	7	7	7	7	8	7	8		
Sample Number(s)	**595-598**	**599-602**	**603-606**	**607-610**	**611-612,614-615**	**613,616-618**	**631-634**	**619-622**	**635-636,638**		
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	-	-	-	-	-	-	<2.5	-	-	TM208[#]	<2.5 ug/l

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ALcontrol Laboratories Analytical Services
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ISO 17025 accredited
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* Subcontracted test
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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Hardness Total	-	-	930	200	310	-	320	-		TM152#	<1 mg/l
Arsenic Dissolved (ICP-MS)	-	<0.75	0.98	2.7	2.0	-	1.6	2.7		TM152#	<0.75 ug/l
Barium Dissolved (ICP-MS)	-	-	-	-	29	-	30	-		TM152#	<1 ug/l
Boron Dissolved (ICP-MS)	-	<20	87	<20	44	-	67	<20		TM152#	<20 ug/l
Cadmium Dissolved (ICP-MS)	-	<0.22	<0.22	<0.22	0.23	-	<0.22	<0.22		TM152#	<0.22 ug/l
Calcium Dissolved (ICP-MS)	-	-	-	-	72000	-	76000	-		TM152#	<160 ug/l
Chromium Dissolved (ICP-MS)	-	4	<1	12	5	-	6	<1		TM152#	<1 ug/l
Copper Dissolved (ICP-MS)	-	<1.6	<1.6	2.2	2.7	-	3.1	<1.6		TM152#	<1.6 ug/l
Iron Dissolved (ICP-MS)	-	-	-	-	130	-	140	-		TM152#	<50 ug/l
Lead Dissolved (ICP-MS)	-	<0.4	<0.4	<0.4	<0.4	-	0.9	<0.4		TM152#	<0.4 ug/l
Magnesium Dissolved (ICP-MS)	-	-	-	-	30000	-	32000	-		TM152#	<40 ug/l
Nickel Dissolved (ICP-MS)	-	5.6	12	2.8	2.8	-	3.1	9.1		TM152#	<1.5 ug/l
Phosphorus Dissolved (ICP-MS)	-	-	-	-	400	-	380	-		TM152#	<105 ug/l
Selenium Dissolved (ICP-MS)	-	<1	<1	37	1	-	1	2		TM152#	<1 ug/l
Vanadium Dissolved (ICP-MS)	-	-	-	-	1	-	<1	-		TM152#	<1 ug/l
Zinc Dissolved (ICP-MS)	-	12	18	8	59	-	40	18		TM152#	<5 ug/l
Mercury Dissolved (CVAF)	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01		TM183#	<0.01 ug/l
BOD	-	-	-	-	17	-	>131	-		TM045#	<1 mg/l
Nitrate as NO3	-	-	-	-	<0.3	-	<0.3	-		TM102#	<0.3 mg/l
Nitrite as NO2	-	-	-	-	<0.05	-	<0.05	-		TM103#	<0.05 mg/l
Sulphate (soluble)	-	180	350	240	130	-	130	310		TM098#	<3 mg/l
Sulphide	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5		TM101	<0.5 mg/l
Ammoniacal Nitrogen as N	-	-	-	-	2.4	-	1.2	-		TM099#	<0.2 mg/l
Hexavalent Chromium	-	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03		TM151#	<0.03 mg/l
Phenols Monohydric	-	-	<0.01	-	-	-	-	-		TM062#	<0.01 mg/l
Phenols Monohydric	-	<0.35	-	<0.35	<0.35	-	<0.35	<0.35		TM062#	<0.35 mg/l
Thiocyanate	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM153#	<0.05 mg/l
Total Cyanide	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM153#	<0.05 mg/l
Free Cyanide	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM153#	<0.05 mg/l
Escherichia Coli*	-	-	-	-	See Attached	-	See Attached	-			CFU/100ml
Free Sulphur	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM136#	<0.05 mg/l

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[#] ISO 17025 accredited
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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
pH Value	-	7.77	7.37	8.52	8.15	-	7.73	8.12		TM133[#]	<1.00 pH Units
Total Coliforms*	-	-	-	-	See Attached	-	See Attached	-			CFU/100ml

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
GRO (C4-C12)	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
MTBE	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Benzene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Toluene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Ethyl benzene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
m & p Xylene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
o Xylene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Aliphatics C5-C6	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C6-C8	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C8-C10	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C10-C12	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	-	<10	790	<10	-	<10	<10	<10		TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	-	<10	790	<10	-	<10	<10	<10		TM61/89	<10 ug/l
Aromatics C6-C7	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Aromatics >C7-C8	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Aromatics >EC8-EC10	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aromatics >EC10-EC12	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	-	<10	330	<10	-	<10	<10	<10		TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	-	<10	330	<10	-	<10	<10	<10		TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	-	<10	1100	<10	-	<10	<10	<10		TM61/89	<10 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
PAH by GCMS											
Naphthalene Aqueous	-	<100	<100	<100	-	350	<100	<100		TM178	<100 ng/l
Acenaphthylene Aqueous	-	<11	<11	<11	-	25	<11	<11		TM178	<11 ng/l
Acenaphthene Aqueous	-	17	31	24	-	<15	27	<15		TM178	<15 ng/l
Fluorene Aqueous	-	<14	<14	<14	-	17	48	<14		TM178	<14 ng/l
Phenanthrene Aqueous	-	35	50	<22	-	43	110	66		TM178	<22 ng/l
Anthracene Aqueous	-	16	16	<15	-	<15	31	<15		TM178	<15 ng/l
Fluoranthene Aqueous	-	200	98	34	-	54	41	97		TM178	<17 ng/l
Pyrene Aqueous	-	200	100	31	-	44	42	83		TM178	<15 ng/l
Benz(a)anthracene Aqueous	-	68	51	<17	-	<17	<17	35		TM178	<17 ng/l
Chrysene Aqueous	-	69	44	<13	-	<13	<13	36		TM178	<13 ng/l
Benzo(b)fluoranthene Aqueous	-	110	75	<23	-	<23	<23	39		TM178	<23 ng/l
Benzo(k)fluoranthene Aqueous	-	63	33	<27	-	<27	<27	<27		TM178	<27 ng/l
Benzo(a)pyrene Aqueous	-	78	60	<9	-	<9	<9	32		TM178	<9 ng/l
Indeno(123cd)pyrene Aqueous	-	36	30	<14	-	<14	<14	<14		TM178	<14 ng/l
Dibenzo(ah)anthracene Aqueous	-	<16	<16	<16	-	<16	<16	<16		TM178	<16 ng/l
Benzo(ghi)perylene Aqueous	-	51	41	<16	-	<16	<16	<16		TM178	<16 ng/l
PAH 16 Total Aqueous	-	940	630	<100	-	540	300	390		TM178	<100 ng/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
SVOC by GCMS											
Phenols											
2-Chlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Methylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Nitrophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4-Dichlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4-Dimethylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4,5-Trichlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4,6-Trichlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Chloro-3-methylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Methylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Nitrophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Pentachlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Phenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
PAHs											
2-Chloronaphthalene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Methylnaphthalene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Acenaphthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Acenaphthylene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Anthracene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(a)anthracene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(a)pyrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(ghi)perylene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Chrysene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Dibenzo(a,h)anthracene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Fluoranthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Fluorene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Naphthalene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Phenanthrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Pyrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Phthalates											
Bis(2-ethylhexyl) phthalate	-	-	-	-	-	NDP	NDP	<2		TM176	<2 ug/l
Butylbenzyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Di-n-butyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Di-n-Octyl phthalate	-	-	-	-	-	NDP	NDP	<5		TM176	<5 ug/l
Diethyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Dimethyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Other Semi-volatiles											
1,2-Dichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
1,2,4-Trichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Other Semi-volatiles (cont)											
1,3-Dichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
1,4-Dichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Nitroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4-Dinitrotoluene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,6-Dinitrotoluene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
3-Nitroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Bromophenylphenylether	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Chloroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Chlorophenylphenylether	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Nitroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Azobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Bis(2-chloroethoxy)methane	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Bis(2-chloroethyl)ether	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Carbazole	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Dibenzofuran	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachlorobutadiene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachlorocyclopentadiene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachloroethane	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Isophorone	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
N-nitrosodi-n-propylamine	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Nitrobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds											
Dichlorodifluoromethane	-	-	-	-	-	<0.9	<0.9	<0.9		TM208[#]	<0.9 ug/l
Dichlorodifluoromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloromethane	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
Vinyl Chloride	-	-	-	-	-	<1	<1	<1		TM208[#]	<1 ug/l
Bromomethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Bromomethane	-	-	-	-	-	<1.5	<1.5	<1.5		TM208[#]	<1.5 ug/l
Chloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloroethane	-	-	-	-	-	<2.4	<2.4	<2.4		TM208[#]	<2.4 ug/l
Trichlorofluoromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Trichlorofluoromethane	-	-	-	-	-	<1.6	<1.6	<1.6		TM208[#]	<1.6 ug/l
trans-1-2-Dichloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
trans-1-2-Dichloroethene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208[#]	<1.7 ug/l
Dichloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Dichloromethane	-	-	-	-	-	<3.2	210	<3.2		TM208[#]	<3.2 ug/l
Carbon Disulphide	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Carbon Disulphide	-	-	-	-	-	<1.5	<1.5	<1.5		TM208[#]	<1.5 ug/l
1.1-Dichloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1-Dichloroethene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
1.1-Dichloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1-Dichloroethane	-	-	-	-	-	<1.2	<1.2	<1.2		TM208[#]	<1.2 ug/l
Methyl Tertiary Butyl Ether	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Methyl Tertiary Butyl Ether	-	-	-	-	-	<2	<2	<2		TM208[#]	<2 ug/l
cis-1-2-Dichloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
cis-1-2-Dichloroethene	-	-	-	-	-	<2	<2	<2		TM208[#]	<2 ug/l
Bromochloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Bromochloromethane	-	-	-	-	-	<1.8	<1.8	<1.8		TM208[#]	<1.8 ug/l
Chloroform	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloroform	-	-	-	-	-	<1.6	<1.6	<1.6		TM208[#]	<1.6 ug/l
2.2-Dichloropropane	-	-	-	-	-	-	-	-		TM208	<1 ug/l

Date 09.06.2008

Validated ☑
Preliminary ☐

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
[*] Subcontracted test
[»] Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds (cont)											
2.2-Dichloropropane	-	-	-	-	-	<1.4	<1.4	<1.4		TM208	<1.4 ug/l
1.2-Dichloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2-Dichloroethane	-	-	-	-	-	<3.5	<3.5	<3.5		TM208[#]	<3.5 ug/l
1.1.1-Trichloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1.1-Trichloroethane	-	-	-	-	-	<1.3	<1.3	<1.3		TM208[#]	<1.3 ug/l
1.1-Dichloropropene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1-Dichloropropene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
Benzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Benzene	-	-	-	-	-	<1.2	<1.2	<1.2		TM208[#]	<1.2 ug/l
Carbontetrachloride	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Carbontetrachloride	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
Dibromomethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Dibromomethane	-	-	-	-	-	<2.8	<2.8	<2.8		TM208[#]	<2.8 ug/l
1.2-Dichloropropane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2-Dichloropropane	-	-	-	-	-	<2.8	<2.8	<2.8		TM208[#]	<2.8 ug/l
Bromodichloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Bromodichloromethane	-	-	-	-	-	<1.1	<1.1	<1.1		TM208[#]	<1.1 ug/l
Trichloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Trichloroethene	-	-	-	-	-	<2.3	<2.3	<2.3		TM208[#]	<2.3 ug/l
cis-1-3-Dichloropropene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
cis-1-3-Dichloropropene	-	-	-	-	-	<1.9	<1.9	<1.9		TM208[#]	<1.9 ug/l
trans-1-3-Dichloropropene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
trans-1-3-Dichloropropene	-	-	-	-	-	<2.9	<2.9	<2.9		TM208[#]	<2.9 ug/l
1.1.2-Trichloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1.2-Trichloroethane	-	-	-	-	-	<2	<2	<2		TM208[#]	<2 ug/l
Toluene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Toluene	-	-	-	-	-	<1.1	<1.1	<1.1		TM208[#]	<1.1 ug/l
1.3-Dichloropropane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.3-Dichloropropane	-	-	-	-	-	<1.9	<1.9	<1.9		TM208[#]	<1.9 ug/l
Dibromochloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l

Date 09.06.2008

Validated ☑
Preliminary ☐

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds (cont)											
Dibromochloromethane	-	-	-	-	-	<1.7	<1.7	<1.7		TM208[#]	<1.7 ug/l
1.2-Dibromoethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2-Dibromoethane	-	-	-	-	-	<2.2	<2.2	<2.2		TM208[#]	<2.2 ug/l
Tetrachloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Tetrachloroethene	-	-	-	-	-	<1.6	<1.6	<1.6		TM208[#]	<1.6 ug/l
1.1.1.2-Tetrachloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1.1.2-Tetrachloroethane	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
Chlorobenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chlorobenzene	-	-	-	-	-	<3.5	<3.5	<3.5		TM208[#]	<3.5 ug/l
Ethylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Ethylbenzene	-	-	-	-	-	<1.5	<1.5	<1.5		TM208[#]	<1.5 ug/l
p/m-Xylene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
p/m-Xylene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208[#]	<1.7 ug/l
Bromoform	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Bromoform	-	-	-	-	-	<3	<3	<3		TM208[#]	<3 ug/l
Styrene	-	-	-	-	-	<0.9	<0.9	<0.9		TM208[#]	<0.9 ug/l
Styrene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1.2.2-Tetrachloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1.2.2-Tetrachloroethane	-	-	-	-	-	<4.4	<4.4	<4.4		TM208[#]	<4.4 ug/l
o-Xylene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
o-Xylene	-	-	-	-	-	<1.3	<1.3	<1.3		TM208[#]	<1.3 ug/l
1.2.3-Trichloropropane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2.3-Trichloropropane	-	-	-	-	-	<8.6	<8.6	<8.6		TM208[#]	<8.6 ug/l
Isopropylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Isopropylbenzene	-	-	-	-	-	<1.6	<1.6	<1.6		TM208[#]	<1.6 ug/l
Bromobenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Bromobenzene	-	-	-	-	-	<1.1	<1.1	<1.1		TM208[#]	<1.1 ug/l
2-Chlorotoluene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
2-Chlorotoluene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208[#]	<1.7 ug/l
Propylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l

Date 09.06.2008

Validated ☑
Preliminary ☐

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
[*] Subcontracted test
[»] Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds (cont)											
Propylbenzene	-	-	-	-	-	<2.5	<2.5	<2.5		TM208[#]	<2.5 ug/l
4-Chlorotoluene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
4-Chlorotoluene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208[#]	<1.7 ug/l
1.2.4-Trimethylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2.4-Trimethylbenzene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
4-Isopropyltoluene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
4-Isopropyltoluene	-	-	-	-	-	<2.5	<2.5	<2.5		TM208[#]	<2.5 ug/l
1.3.5-Trimethylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.3.5-Trimethylbenzene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
1.2-Dichlorobenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2-Dichlorobenzene	-	-	-	-	-	<2.6	<2.6	<2.6		TM208[#]	<2.6 ug/l
1.4-Dichlorobenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.4-Dichlorobenzene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
sec-Butylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
sec-Butylbenzene	-	-	-	-	-	<1.1	<1.1	<1.1		TM208[#]	<1.1 ug/l
tert-Butylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
tert-Butylbenzene	-	-	-	-	-	<1.5	<1.5	<1.5		TM208[#]	<1.5 ug/l
1.3-Dichlorobenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.3-Dichlorobenzene	-	-	-	-	-	<1.8	<1.8	<1.8		TM208[#]	<1.8 ug/l
n-Butylbenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
n-Butylbenzene	-	-	-	-	-	<1.8	<1.8	<1.8		TM208[#]	<1.8 ug/l
1.2-Dibromo-3-chloropropane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2-Dibromo-3-chloropropane	-	-	-	-	-	<9.9	<9.9	<9.9		TM208[#]	<9.9 ug/l
1.2.4-Trichlorobenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2.4-Trichlorobenzene	-	-	-	-	-	<1.5	<1.5	<1.5		TM208[#]	<1.5 ug/l
Naphthalene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Naphthalene	-	-	-	-	-	<3.6	<3.6	<3.6		TM208[#]	<3.6 ug/l
1.2.3-Trichlorobenzene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.2.3-Trichlorobenzene	-	-	-	-	-	<2.8	<2.8	<2.8		TM208[#]	<2.8 ug/l
Hexachlorobutadiene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l

Date 09.06.2008

Validated ☑
Preliminary ☐

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	-	-	-	-	-	<2.5	<2.5	<2.5		TM208[#]	<2.5 ug/l

Date 09.06.2008

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM001	In - house Method	Screening of Soils for Fibres			WET	
TM018	BS 1377: Part 3 1990	Determination of Loss on Ignition	✓	✓	WET	
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999	Determination of BOD5 (ATU) by Oxygen Meter	✓		NA	
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)			DRY	
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	✓		DRY	
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	✓	✓	DRY	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection			NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓		NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓	✓	WET	
TM068	ASTM D-1552	Total sulphur determination by combustion method	✓		DRY	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCB's) as Aroclor 1254 by GC-MS in Soils	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water			NA	
TM097	Modified: US EPA Method 325.1 & 325.2	Determination of Chloride using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓		NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓	✓	DRY	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	✓		NA	
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser			NA	
TM102	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Total Oxidised Nitrogen using the Kone Analyser	✓		NA	
TM103	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Nitrite using the Kone Analyser	✓		NA	
TM104	Method 4500F, AWWA/APHA, 20th Ed., 1999	Determination of Fluoride using the Kone Analyser			NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS			WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to $1.03x10^{-7}$

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	
TM123	BS 2690: Part 121:1981	The Determination of Total Dissolved Solids in Water			NA	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓	✓	DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓		NA	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM136	Method 17.10, Second Site property, March 2003	Determination of Sulphur by HPLC	✓		NA	
TM142	In - house method	Analysis of Polynuclear Aromatic Hydrocarbons (PAH) by GC-FID			DRY	
TM144/145		Organochlorine and Organophosphorus pesticides by GC-MS			DRY	
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	✓		WET	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓		NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓		NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓	✓	WET	
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40			WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM168		Determination of WHO12 and EC7 Polychlorinated Biphenyl Congeners by GC-MS in Soils			DRY	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID			DRY	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
TM176		Determination of SVOCs in Water by GCMS			NA	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters			NA	
TM180	Sulphide in waters and waste waters 1991 ISBN 01 175 7186 SCA rec. 2007 (unpublished)'	The Determination Of Easily Liberated Sulphide In Soil Samples by Ion Selective Electrode Technique	✓		WET	
TM182		Determination of Acid Neutralisation Capacity (ANC) Using Autotitration	✓		DRY	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry			NA	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	✓		NA	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters			NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	✓		NA	
TM213	In-house Method	Rapid Determination of PAHs by GC-FID			WET	
TM61/89		see TM061 and TM089 for details			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Summary of Coolbox temperatures

Batch No.	Coolbox Temperature (°C)
1	2.6
2	2.8
3	5.6
4	1.8
5	0.6
6	6.8
7	9.6
8	00

APPENDIX X

Geochemical Laboratory Results (Sough Dyke)

ALcontrol Geochem

Unit 7-8 Hawarden Business Park
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Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: mkt@alcontrol.co.uk
website: www.alcontrol.co.uk

Wardell Armstrong LLP
Unit 5 Newton Business Centre
Thorncliffe Park
Sheffield
S35 2PH ATTN: Phil Hesketh

CERTIFICATE OF ANALYSIS

Date: 08 October, 2007

Our Reference: 07/13429/02/01

Your Reference: SH03582

Location: Barnsley Markets

A total of 232 samples was received for analysis between Saturday, 04 August 2007 and Wednesday, 05 September 2007 and completed on Thursday, 27 September 2007. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials- whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Signed

Diane Whittlestone	**Jane Seymour**	**David O'Hare**	**Caroline Suttie**
Customer Services	Customer Services	Customer Services	Customer Services

Valid if signed by any of the above signatories.

Compiled By

Byron Hagan

1291
GROUP

ALcontrol Geochem is a trading division of ALcontrol UK Limited.
Registered Office: Templeborough House, Mill Close, Rotherham, S60 1BZ. Registered in England and Wales No. 4057291

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Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Hardness Total	-	430	110	490	-	-	200			TM152#	<1 mg/l
Arsenic Dissolved (ICP-MS)	<1	2	1	2	-	2	3			TM152#	<1 ug/l
Barium Dissolved (ICP-MS)	-	36	13	43	-	-	-			TM152#	<1 ug/l
Boron Dissolved (ICP-MS)	<10	200	30	270	-	42	11			TM152#	<10 ug/l
Cadmium Dissolved (ICP-MS)	<0.4	<0.4	<0.4	<0.4	-	<0.4	<0.4			TM152#	<0.4 ug/l
Calcium Dissolved (ICP-MS)	-	100000	31000	120000	-	-	-			TM152#	<5 ug/l
Chromium Dissolved (ICP-MS)	<1	2	1	2	-	1	3			TM152#	<1 ug/l
Copper Dissolved (ICP-MS)	<1	3	16	3	-	2	6			TM152#	<1 ug/l
Iron Dissolved (ICP-MS)	-	35	370	46	-	-	-			TM152#	<5 ug/l
Lead Dissolved (ICP-MS)	<1	<1	5	1	-	<1	<1			TM152#	<1 ug/l
Magnesium Dissolved (ICP-MS)	-	41000	6900	46000	-	-	-			TM152#	<5 ug/l
Nickel Dissolved (ICP-MS)	16	4	3	4	-	10	9			TM152#	<1 ug/l
Phosphorus Dissolved (ICP-MS)	-	760	2900	1100	-	-	-			TM152#	<10 ug/l
Selenium Dissolved (ICP-MS)	<1	2	1	1	-	1	<1			TM152#	<1 ug/l
Vanadium Dissolved (ICP-MS)	-	2	<1	1	-	-	-			TM152#	<1 ug/l
Zinc Dissolved (ICP-MS)	39	16	32	13	-	<3	<3			TM152#	<3 ug/l
Mercury Dissolved (CVAA)	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM127#	<0.05 ug/l
BOD	-	3	400	4	-	-	-			TM045#	<1 mg/l
Nitrate as NO3	-	22	<0.3	5.9	-	-	-			TM102#	<0.3 mg/l
Nitrite as NO2	-	1.7	<0.05	5.5	-	-	-			TM103#	<0.05 mg/l
Sulphate (soluble)	250	230	81	240	-	450	50			TM098#	<3 mg/l
Sulphide	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5			TM101	<0.5 mg/l
Ammoniacal Nitrogen as N	-	4.0	48	5.7	-	-	-			TM099#	<0.2 mg/l
Hexavalent Chromium	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03			TM151#	<0.03 mg/l
Phenols Monohydric	<0.01	<0.01	0.18	<0.01	-	<0.01	<0.01			TM062#	<0.01 mg/l
Thiocyanate	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM153#	<0.05 mg/l
Total Cyanide	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM153#	<0.05 mg/l
Free Cyanide	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM153#	<0.05 mg/l
Escherichia Coli*	-	See Attached	-	See Attached	-	-	-				CFU/100ml
Free Sulphur	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05			TM136#	<0.05 mg/l
pH Value	7.22	8.38	7.91	8.42	-	8.26	8.34			TM133#	<1.00 pH Units

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Total Coliforms*	-	See Attached	-	See attached	-	-	-				CFU/100ml

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
GRO (C4-C12)	<10	<10	28	<10	-	<10	<10			TM089[#]	<10 ug/l
MTBE	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Benzene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Toluene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Ethyl benzene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
m & p Xylene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
o Xylene	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Aliphatics C5-C6	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C6-C8	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C8-C10	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C10-C12	<10	<10	11	<10	-	<10	<10			TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10	<10	11	<10	-	<10	<10			TM61/89	<10 ug/l
Aromatics C6-C7	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Aromatics >C7-C8	<10	<10	<10	<10	-	<10	<10			TM089[#]	<10 ug/l
Aromatics >EC8-EC10	<10	<10	<10	<10	-	<10	<10			TM089	<10 ug/l
Aromatics >EC10-EC12	<10	<10	17	<10	-	<10	<10			TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10	<10	<10	<10	-	<10	<10			TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10	<10	510	<10	-	<10	<10			TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10	<10	520	<10	-	<10	<10			TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	<10	<10	530	<10	-	<10	<10			TM61/89	<10 ug/l

Date 08.10.2007

Validated ✓
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ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
PAH by GCMS											
Naphthalene Aqueous	31	110	74	<26	-	<26	<26			TM074	<26 ng/l
Acenaphthylene Aqueous	<11	19	16	<11	-	22	<11			TM074	<11 ng/l
Acenaphthene Aqueous	<15	20	58	<15	-	18	<15			TM074	<15 ng/l
Fluorene Aqueous	<14	<14	24	<14	-	34	<14			TM074	<14 ng/l
Phenanthrene Aqueous	<22	<22	98	<22	-	<22	<22			TM074	<22 ng/l
Anthracene Aqueous	<15	22	29	17	-	31	<15			TM074	<15 ng/l
Fluoranthene Aqueous	<17	48	110	50	-	84	<17			TM074	<17 ng/l
Pyrene Aqueous	<15	56	160	52	-	64	<15			TM074	<15 ng/l
Benz(a)anthracene Aqueous	<17	<17	100	<17	-	24	<17			TM074	<17 ng/l
Chrysene Aqueous	<13	20	110	20	-	16	<13			TM074	<13 ng/l
Benzo(b)fluoranthene Aqueous	<23	28	180	26	-	<23	<23			TM074	<23 ng/l
Benzo(k)fluoranthene Aqueous	<27	<27	59	<27	-	<27	<27			TM074	<27 ng/l
Benzo(a)pyrene Aqueous	<9	12	73	11	-	17	<9			TM074	<9 ng/l
Indeno(123cd)pyrene Aqueous	<14	<14	47	<14	-	<14	<14			TM074	<14 ng/l
Dibenzo(ah)anthracene Aqueous	<16	<16	<16	<16	-	<16	<16			TM074	<16 ng/l
Benzo(ghi)perylene Aqueous	<16	16	130	<16	-	<16	<16			TM074	<16 ng/l
PAH 16 Total Aqueous	31	350	1300	180	-	310	<27			TM074	<27 ng/l

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
PCB 7 Congeners											
PCB congener 28	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 52	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 101	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 118	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 153	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 138	-	-	-	-	-	-	<10			TM070	<10 ng/l
PCB congener 180	-	-	-	-	-	-	<10			TM070	<10 ng/l
Total of 7 Congener PCBs	-	-	-	-	-	-	<10			TM070	<10 ng/l

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
OCP/OPP											
Dichlorvos	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Mevinphos	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Alpha-BHC (Lindane)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Beta-BHC (Lindane)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Gamma-BHC (Lindane)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Diazinon	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Methyl Parathion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Heptachlor	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Fenitrothion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Malathion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Aldrin	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Parathion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Heptachlor Epoxide	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endosulphan I	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-DDE	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Dieldrin	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endrin	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endosulphan II	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-TDE(DDD)	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Ethion	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-DDT	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Endosulphan sulphate	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
p,p'-Methoxychlor	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l
Azinphos methyl	<10	-	-	-	-	-	<10			TM144/145	<10 ng/l

Date 08.10.2007

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ALcontrol Geochem Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
SVOC by GCMS											
Phenols											
2-Chlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Methylphenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Nitrophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4-Dichlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4-Dimethylphenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4,5-Trichlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4,6-Trichlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Chloro-3-methylphenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Methylphenol	<1	<1	31	<1	-	<1	<1			TM176	<1 ug/l
4-Nitrophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Pentachlorophenol	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Phenol	<1	<1	88	<1	-	<1	<1			TM176	<1 ug/l

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ALcontrol Geochem Analytical Services
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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
PAHs											
2-Chloronaphthalene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Methylnaphthalene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Phthalates											
Bis(2-ethylhexyl) phthalate	<2	<2	15	<2	-	<2	<2			TM176	<2 ug/l
Butylbenzyl phthalate	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Di-n-butyl phthalate	<1	<1	3	<1	-	<1	<1			TM176	<1 ug/l
Di-n-Octyl phthalate	<5	<5	<10	<5	-	<5	<5			TM176	<5 ug/l
Diethyl phthalate	<1	<1	13	<1	-	<1	<1			TM176	<1 ug/l
Dimethyl phthalate	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Other Semi-volatiles											
1,2-Dichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
1,2,4-Trichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
1,3-Dichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
1,4-Dichlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2-Nitroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,4-Dinitrotoluene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
2,6-Dinitrotoluene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
3-Nitroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Bromophenylphenylether	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Chloroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Chlorophenylphenylether	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
4-Nitroaniline	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Azobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Bis(2-chloroethoxy)methane	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Bis(2-chloroethyl)ether	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Carbazole	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Dibenzofuran	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Hexachlorobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
M MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Other Semi-volatiles (cont)											
Hexachlorobutadiene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Hexachlorocyclopentadiene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Hexachloroethane	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Isophorone	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
N-nitrosodi-n-propylamine	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l
Nitrobenzene	<1	<1	<2	<1	-	<1	<1			TM176	<1 ug/l

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Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Volatile Organic Compounds											
Dichlorodifluoromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Vinyl Chloride	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromomethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Trichlorofluoromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
trans-1-2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Dichloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Carbon Disulphide	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1-Dichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1-Dichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Methyl Tertiary Butyl Ether	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
cis-1-2-Dichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromochloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chloroform	<1	2	<1	8	<1	<1	<1			TM116#	<1 ug/l
2.2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1.1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1-Dichloropropene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Benzene	<1	<1	<1	<1	1300	<1	<1			TM116#	<1 ug/l
Carbontetrachloride	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Dibromomethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromodichloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Trichloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
cis-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
trans-1-3-Dichloropropene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1.2-Trichloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Toluene	<1	<1	<1	<1	630	<1	<1			TM116#	<1 ug/l
1.3-Dichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l

Date 08.10.2007

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ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Volatile Organic Compounds (cont)											
Dibromochloromethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dibromoethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Tetrachloroethene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.1.1.2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Chlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Ethylbenzene	<1	<1	<1	<1	14	<1	<1			TM116#	<1 ug/l
p/m-Xylene	<1	<1	<1	<1	200	<1	<1			TM116#	<1 ug/l
Bromoform	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Styrene	<1	<1	<1	<1	59	<1	<1			TM116#	<1 ug/l
1.1.2.2-Tetrachloroethane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
o-Xylene	<1	<1	<1	<1	100	<1	<1			TM116#	<1 ug/l
1.2.3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Isopropylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Bromobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
2-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Propylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
4-Chlorotoluene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2.4-Trimethylbenzene	<1	<1	<1	1	33	<1	<1			TM116#	<1 ug/l
4-Isopropyltoluene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.3.5-Trimethylbenzene	<1	<1	<1	<1	18	<1	<1			TM116#	<1 ug/l
1.2-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.4-Dichlorobenzene	<1	<1	<1	3	<1	<1	<1			TM116#	<1 ug/l
sec-Butylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
tert-Butylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.3-Dichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
n-Butylbenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2-Dibromo-3-chloropropane	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
1.2.4-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l
Naphthalene	<1	<1	<1	<1	2900	<1	<1			TM116#	<1 ug/l
1.2.3-Trichlorobenzene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l

Date 08.10.2007

Validated ✓
Preliminary

ALcontrol Geochem Analytical Services
Table Of Results

ISO 17025 accredited
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* Subcontracted test
» Shown on prev. report

Job Number: 07/13429/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Barnsley Markets
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH118	DOWN STREAM SOUGH DYKE	MID-STREAM SOUGH DYKE	UPSTREAM SOUGH DYKE	WS105A	WS110	WS 124			Method Code	LoD/Units
Depth (m)	-	-	-	-	-	-	-				
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID				
Sampled Date	03.09.07	21.08.07	21.08.07	21.08.07	03.09.07	03.09.07	03.09.07				
Sample Received Date	04.09.07	22.08.07	22.08.07	22.08.07	04.09.07	04.09.07	05.09.07				
Batch	6	4	4	4	6	6	7				
Sample Number(s)	**206-209**	**159-164**	**165-170**	**171-176**	**210-211**	**212-215**	**229-232**				
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	<1	<1	<1	<1	<1	<1	<1			TM116#	<1 ug/l

Date 08.10.2007

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM001	In - house Method	Screening of Soils for Fibres			WET	
TM018	BS 1377: Part 3 1990	Determination of Loss on Ignition	✓	✓	WET	
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999	Determination of BOD5 (ATU) by Oxygen Meter	✓		NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection			NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓		NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓	✓	WET	
TM068	ASTM D-1552	Total sulphur determination by combustion method	✓		DRY	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCB's) as Aroclor 1254 and the ICE 7 Congeners by GC-MS			NA	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCB's) as Aroclor 1254 and the ICE 7 Congeners by GC-MS	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.			NA	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water			NA	
TM097	Modified: US EPA Method 325.1 & 325.2	Determination of Chloride using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓		NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓	✓	DRY	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	✓		NA	
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser			WET	
TM102	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Total Oxidised Nitrogen using the Kone Analyser	✓		NA	
TM103	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Nitrite using the Kone Analyser	✓		NA	
TM104	Method 4500F, AWWA/APHA, 20th Ed., 1999	Determination of Fluoride using the Kone Analyser			NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS			NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM123	BS 2690: Part 121:1981	The Determination of Total dissolved Solids in Water			NA	
TM127	Method 3112B, AWWA/APHA, 20th Ed., 1999	The Determination of Trace Level Mercury in Aqueous Media and Soil Extracts by Atomic Absorption Spectroscopy			NA	
TM127	Method 3112B, AWWA/APHA, 20th Ed., 1999	The Determination of Trace Level Mercury in Aqueous Media and Soil Extracts by Atomic Absorption Spectroscopy	✓		NA	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓	✓	DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓		NA	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM136	Method 17.10, Second Site property, March 2003	Determination of Sulphur by HPLC	✓		NA	
TM144/145		Organochlorine and Organophosphorus pesticides by GC-MS			DRY	
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	✓		WET	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓		NA	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓		WET	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓	✓	WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
TM176		Determination of SVOCs in Water by GCMS			NA	
TM182		Determination of Acid Neutralisation Capacity (ANC) Using Autotitration			DRY	
TM61/89		see TM061 and TM089 for details			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Geochem Analytical Services
Table Of Results - Appendix

Job Number: 07/13429/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Summary of Coolbox temperatures

Batch No.	Coolbox Temperature (°C)
1	18.0
2	17
3	15
4	14
5	13.4
6	12.8
7	15.8

APPENDIX

APPENDIX

1. Results are expressed on a dry weight basis (dried at 35°C) for all soil analyses except for the following: NRA Leach tests, flash point, ammonium as NH_4 by the BRE method, VOC TICS, SVOC TICS, TOF-MS SCAN/SEARCH and TOF-MS TICS.
2. Samples will be run in duplicate upon request, but an additional charge may be incurred.
3. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for both soil jars, tubs and volatile jars. All waters and vials will be discarded 10 days after the analysis is completed (e-mailed). All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALcontrol Geochem reserve the right to charge for samples received and stored but not analysed.
4. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
5. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.
6. When requested, an asbestos screen is done in-house on soils and if no fibres are found will be reported as NFD – no fibres detected. If asbestos is detected, then identification is carried out by ALcontrol Shutler. If a sample is suspected of containing asbestos, then further preparation and analysis will be suspended on that sample until the asbestos result is known. If asbestos is present, then no further analysis will be undertaken.
7. If no separate volatile sample is supplied by the client, the integrity of the data may be compromised if the laboratory is required to create a sub-sample from the bulk sample – similarly, if a headspace or sediment is present in the volatile sample. This will be flagged up as an invalid VOC on the test schedule or recorded on the log sheet.
8. If no preserved sample is received for cyanide or phenol analysis (HPLC), the laboratory will preserve on receipt. However, the integrity of the data may be compromised.
9. NDP – No determination possible due to insufficient/unsuitable sample.
10. Metals in water are performed on a filtered sample, and therefore represent dissolved metals – total metals must be requested separately.
11. A table containing the date of analysis for each parameter is not routinely included with the report, but is available upon request.
12. **Surrogate recoveries** – Currently the only analysis, which is surrogate corrected, is PAHs on soils. For EPH on soils the result is not surrogate corrected, but a percentage recovery is quoted.
13. **Product analyses** – Organic analyses on products can only be semi-quantitative due to the matrix effects and high dilution factors employed.
14. Phenols monohydric by HPLC include phenol, cresols (2-Methylphenol, 3-Methylphenol and 4-Methylphenol) and Xylenols (2,3 Dimethylphenol, 2,4 Dimethylphenol, 2,5 Dimethylphenol, 2,6 Dimethylphenol, 3,4 Dimethyphenol, 3,5 Dimethylphenol).
15. Total of 8 speciated phenols by HPLC includes Resorcinol, Catechol, Phenol, Napthol, 2,3,5-Trimethyl Phenol, 2-Isopropylphenol, Cresols and Xylenols (as detailed in 14).
16. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.
17. Our MCERTS accreditation for PAHs by GCMS applies to all product types apart from Kerosene, where naphthalene only is not accredited.
18. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.
19. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.
20. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.
21. For all leachate preparations (NRA, DIN, TCLP, BSEN 12457-1, 2, 3) volatile loss may occur, as we do not employ zero headspace extraction.
22. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials – whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Last updated October 2007

ALcontrol Laboratories

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Wardell Armstrong LLP
Unit 4 Newton Business Centre
Thorncliffe Park
Sheffield
S35 2PH ATTN: Phil Hesketh

CERTIFICATE OF ANALYSIS

Date: 03 June, 2008
Our Reference: 08/04324/02/01
Your Reference: SH03582
Location: Not Specified

A total of 657 samples was received for analysis between Friday, 29 February 2008 and Thursday, 10 April 2008 and completed on Wednesday, 07 May 2008. Accredited laboratory tests are defined in the log sheet, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials- whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Signed

Diane Whittlestone
Tech. Support Manager

David O'Hare
Project Manager

Caroline Suttie
Project Coordinator
Team Leader

Valid if signed by any of the above signatories.

Compiled By

Gemma Daly

1291
GROUP

ALcontrol Laboratories is a trading division of ALcontrol UK Limited.
Registered Office: Templeborough House, Mill Close, Rotherham, S60 1BZ. Registered in England and Wales No. 4057291

Validated ✓
Preliminary

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Hardness Total	-	-	930	200	310	-	320	-		TM152[#]	<1 mg/l
Arsenic Dissolved (ICP-MS)	-	<0.75	0.98	2.7	2.0	-	1.6	2.7		TM152[#]	<0.75 ug/l
Barium Dissolved (ICP-MS)	-	-	-	-	29	-	30	-		TM152[#]	<1 ug/l
Boron Dissolved (ICP-MS)	-	<20	87	<20	44	-	67	<20		TM152[#]	<20 ug/l
Cadmium Dissolved (ICP-MS)	-	<0.22	<0.22	<0.22	0.23	-	<0.22	<0.22		TM152[#]	<0.22 ug/l
Calcium Dissolved (ICP-MS)	-	-	-	-	72000	-	76000	-		TM152[#]	<160 ug/l
Chromium Dissolved (ICP-MS)	-	4	<1	12	5	-	6	<1		TM152[#]	<1 ug/l
Copper Dissolved (ICP-MS)	-	<1.6	<1.6	2.2	2.7	-	3.1	<1.6		TM152[#]	<1.6 ug/l
Iron Dissolved (ICP-MS)	-	-	-	-	130	-	140	-		TM152[#]	<50 ug/l
Lead Dissolved (ICP-MS)	-	<0.4	<0.4	<0.4	<0.4	-	0.9	<0.4		TM152[#]	<0.4 ug/l
Magnesium Dissolved (ICP-MS)	-	-	-	-	30000	-	32000	-		TM152[#]	<40 ug/l
Nickel Dissolved (ICP-MS)	-	5.6	12	2.8	2.8	-	3.1	9.1		TM152[#]	<1.5 ug/l
Phosphorus Dissolved (ICP-MS)	-	-	-	-	400	-	380	-		TM152[#]	<105 ug/l
Selenium Dissolved (ICP-MS)	-	<1	<1	37	1	-	1	2		TM152[#]	<1 ug/l
Vanadium Dissolved (ICP-MS)	-	-	-	-	1	-	<1	-		TM152[#]	<1 ug/l
Zinc Dissolved (ICP-MS)	-	12	18	8	59	-	40	18		TM152[#]	<5 ug/l
Mercury Dissolved (CVAF)	-	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01		TM183[#]	<0.01 ug/l
BOD	-	-	-	-	17	-	>131	-		TM045[#]	<1 mg/l
Nitrate as NO3	-	-	-	-	<0.3	-	<0.3	-		TM102[#]	<0.3 mg/l
Nitrite as NO2	-	-	-	-	<0.05	-	<0.05	-		TM103[#]	<0.05 mg/l
Sulphate (soluble)	-	180	350	240	130	-	130	310		TM098[#]	<3 mg/l
Sulphide	-	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5		TM101	<0.5 mg/l
Ammoniacal Nitrogen as N	-	-	-	-	2.4	-	1.2	-		TM099[#]	<0.2 mg/l
Hexavalent Chromium	-	<0.03	<0.03	<0.03	<0.03	-	<0.03	<0.03		TM151[#]	<0.03 mg/l
Phenols Monohydric	-	-	<0.01	-	-	-	-	-		TM062[#]	<0.01 mg/l
Phenols Monohydric	-	<0.35	-	<0.35	<0.35	-	<0.35	<0.35		TM062[#]	<0.35 mg/l
Thiocyanate	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM153[#]	<0.05 mg/l
Total Cyanide	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM153[#]	<0.05 mg/l
Free Cyanide	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM153[#]	<0.05 mg/l
Escherichia Coli*	-	-	-	-	See Attached	-	See Attached	-			CFU/100ml
Free Sulphur	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05		TM136[#]	<0.05 mg/l

Date 09.06.2008

Validated ✓
Preliminary

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
pH Value	-	7.77	7.37	8.52	8.15	-	7.73	8.12		TM133[#]	<1.00 pH Units
Total Coliforms*	-	-	-	-	See Attached	-	See Attached	-			CFU/100ml

Date 09.06.2008

Validated ✓
Preliminary

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
GRO (C4-C12)	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
MTBE	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Benzene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Toluene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Ethyl benzene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
m & p Xylene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
o Xylene	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Aliphatics C5-C6	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C6-C8	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C8-C10	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C10-C12	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	-	<10	790	<10	-	<10	<10	<10		TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	-	<10	790	<10	-	<10	<10	<10		TM61/89	<10 ug/l
Aromatics C6-C7	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Aromatics >C7-C8	<10	<10	<10	<10	-	<10	<10	<10		TM089[#]	<10 ug/l
Aromatics >EC8-EC10	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aromatics >EC10-EC12	<10	<10	<10	<10	-	<10	<10	<10		TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	-	<10	<10	<10	-	<10	<10	<10		TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	-	<10	330	<10	-	<10	<10	<10		TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	-	<10	330	<10	-	<10	<10	<10		TM61/89	<10 ug/l
TPH (Aliphatics and Aromatics C5-C35) Aqueous	-	<10	1100	<10	-	<10	<10	<10		TM61/89	<10 ug/l

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[#] ISO 17025 accredited
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[*] Subcontracted test
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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
PAH by GCMS											
Naphthalene Aqueous	-	<100	<100	<100	-	350	<100	<100		TM178	<100 ng/l
Acenaphthylene Aqueous	-	<11	<11	<11	-	25	<11	<11		TM178	<11 ng/l
Acenaphthene Aqueous	-	17	31	24	-	<15	27	<15		TM178	<15 ng/l
Fluorene Aqueous	-	<14	<14	<14	-	17	48	<14		TM178	<14 ng/l
Phenanthrene Aqueous	-	35	50	<22	-	43	110	66		TM178	<22 ng/l
Anthracene Aqueous	-	16	16	<15	-	<15	31	<15		TM178	<15 ng/l
Fluoranthene Aqueous	-	200	98	34	-	54	41	97		TM178	<17 ng/l
Pyrene Aqueous	-	200	100	31	-	44	42	83		TM178	<15 ng/l
Benz(a)anthracene Aqueous	-	68	51	<17	-	<17	<17	35		TM178	<17 ng/l
Chrysene Aqueous	-	69	44	<13	-	<13	<13	36		TM178	<13 ng/l
Benzo(b)fluoranthene Aqueous	-	110	75	<23	-	<23	<23	39		TM178	<23 ng/l
Benzo(k)fluoranthene Aqueous	-	63	33	<27	-	<27	<27	<27		TM178	<27 ng/l
Benzo(a)pyrene Aqueous	-	78	60	<9	-	<9	<9	32		TM178	<9 ng/l
Indeno(123cd)pyrene Aqueous	-	36	30	<14	-	<14	<14	<14		TM178	<14 ng/l
Dibenzo(ah)anthracene Aqueous	-	<16	<16	<16	-	<16	<16	<16		TM178	<16 ng/l
Benzo(ghi)perylene Aqueous	-	51	41	<16	-	<16	<16	<16		TM178	<16 ng/l
PAH 16 Total Aqueous	-	940	630	<100	-	540	300	390		TM178	<100 ng/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
SVOC by GCMS											
Phenols											
2-Chlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Methylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Nitrophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4-Dichlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4-Dimethylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4,5-Trichlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4,6-Trichlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Chloro-3-methylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Methylphenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Nitrophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Pentachlorophenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Phenol	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
PAHs											
2-Chloronaphthalene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Methylnaphthalene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Acenaphthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Acenaphthylene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Anthracene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(a)anthracene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(a)pyrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(ghi)perylene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Chrysene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Dibenzo(a,h)anthracene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Fluoranthene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Fluorene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Naphthalene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Phenanthrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Pyrene	-	-	-	-	-	-	-	-		TM176	<1 ug/l
Phthalates											
Bis(2-ethylhexyl) phthalate	-	-	-	-	-	NDP	NDP	<2		TM176	<2 ug/l
Butylbenzyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Di-n-butyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Di-n-Octyl phthalate	-	-	-	-	-	NDP	NDP	<5		TM176	<5 ug/l
Diethyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Dimethyl phthalate	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Other Semi-volatiles											
1,2-Dichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
1,2,4-Trichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Other Semi-volatiles (cont)											
1,3-Dichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
1,4-Dichlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2-Nitroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,4-Dinitrotoluene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
2,6-Dinitrotoluene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
3-Nitroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Bromophenylphenylether	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Chloroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Chlorophenylphenylether	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
4-Nitroaniline	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Azobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Bis(2-chloroethoxy)methane	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Bis(2-chloroethyl)ether	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Carbazole	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Dibenzofuran	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachlorobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachlorobutadiene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachlorocyclopentadiene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Hexachloroethane	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Isophorone	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
N-nitrosodi-n-propylamine	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l
Nitrobenzene	-	-	-	-	-	NDP	NDP	<1		TM176	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds											
Dichlorodifluoromethane	-	-	-	-	-	<0.9	<0.9	<0.9		TM208[#]	<0.9 ug/l
Dichlorodifluoromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloromethane	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
Vinyl Chloride	-	-	-	-	-	<1	<1	<1		TM208[#]	<1 ug/l
Bromomethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Bromomethane	-	-	-	-	-	<1.5	<1.5	<1.5		TM208[#]	<1.5 ug/l
Chloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloroethane	-	-	-	-	-	<2.4	<2.4	<2.4		TM208[#]	<2.4 ug/l
Trichlorofluoromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Trichlorofluoromethane	-	-	-	-	-	<1.6	<1.6	<1.6		TM208[#]	<1.6 ug/l
trans-1-2-Dichloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
trans-1-2-Dichloroethene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208[#]	<1.7 ug/l
Dichloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Dichloromethane	-	-	-	-	-	<3.2	210	<3.2		TM208[#]	<3.2 ug/l
Carbon Disulphide	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Carbon Disulphide	-	-	-	-	-	<1.5	<1.5	<1.5		TM208[#]	<1.5 ug/l
1.1-Dichloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1-Dichloroethene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208[#]	<1.4 ug/l
1.1-Dichloroethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
1.1-Dichloroethane	-	-	-	-	-	<1.2	<1.2	<1.2		TM208[#]	<1.2 ug/l
Methyl Tertiary Butyl Ether	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Methyl Tertiary Butyl Ether	-	-	-	-	-	<2	<2	<2		TM208[#]	<2 ug/l
cis-1-2-Dichloroethene	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
cis-1-2-Dichloroethene	-	-	-	-	-	<2	<2	<2		TM208[#]	<2 ug/l
Bromochloromethane	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Bromochloromethane	-	-	-	-	-	<1.8	<1.8	<1.8		TM208[#]	<1.8 ug/l
Chloroform	-	-	-	-	-	-	-	-		TM208[#]	<1 ug/l
Chloroform	-	-	-	-	-	<1.6	<1.6	<1.6		TM208[#]	<1.6 ug/l
2.2-Dichloropropane	-	-	-	-	-	-	-	-		TM208	<1 ug/l

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Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds (cont)											
2.2-Dichloropropane	-	-	-	-	-	<1.4	<1.4	<1.4		TM208	<1.4 ug/l
1.2-Dichloroethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2-Dichloroethane	-	-	-	-	-	<3.5	<3.5	<3.5		TM208#	<3.5 ug/l
1.1.1-Trichloroethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.1.1-Trichloroethane	-	-	-	-	-	<1.3	<1.3	<1.3		TM208#	<1.3 ug/l
1.1-Dichloropropene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.1-Dichloropropene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208#	<1.4 ug/l
Benzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Benzene	-	-	-	-	-	<1.2	<1.2	<1.2		TM208#	<1.2 ug/l
Carbontetrachloride	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Carbontetrachloride	-	-	-	-	-	<1.4	<1.4	<1.4		TM208#	<1.4 ug/l
Dibromomethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Dibromomethane	-	-	-	-	-	<2.8	<2.8	<2.8		TM208#	<2.8 ug/l
1.2-Dichloropropane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2-Dichloropropane	-	-	-	-	-	<2.8	<2.8	<2.8		TM208#	<2.8 ug/l
Bromodichloromethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Bromodichloromethane	-	-	-	-	-	<1.1	<1.1	<1.1		TM208#	<1.1 ug/l
Trichloroethene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Trichloroethene	-	-	-	-	-	<2.3	<2.3	<2.3		TM208#	<2.3 ug/l
cis-1-3-Dichloropropene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
cis-1-3-Dichloropropene	-	-	-	-	-	<1.9	<1.9	<1.9		TM208#	<1.9 ug/l
trans-1-3-Dichloropropene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
trans-1-3-Dichloropropene	-	-	-	-	-	<2.9	<2.9	<2.9		TM208#	<2.9 ug/l
1.1.2-Trichloroethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.1.2-Trichloroethane	-	-	-	-	-	<2	<2	<2		TM208#	<2 ug/l
Toluene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Toluene	-	-	-	-	-	<1.1	<1.1	<1.1		TM208#	<1.1 ug/l
1.3-Dichloropropane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.3-Dichloropropane	-	-	-	-	-	<1.9	<1.9	<1.9		TM208#	<1.9 ug/l
Dibromochloromethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l

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* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	637	639-642	627-630	643-645	647	648-649	650-653	654-657			
Volatile Organic Compounds (cont)											
Dibromochloromethane	-	-	-	-	-	<1.7	<1.7	<1.7		TM208#	<1.7 ug/l
1.2-Dibromoethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2-Dibromoethane	-	-	-	-	-	<2.2	<2.2	<2.2		TM208#	<2.2 ug/l
Tetrachloroethene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Tetrachloroethene	-	-	-	-	-	<1.6	<1.6	<1.6		TM208#	<1.6 ug/l
1.1.1.2-Tetrachloroethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.1.1.2-Tetrachloroethane	-	-	-	-	-	<1.4	<1.4	<1.4		TM208#	<1.4 ug/l
Chlorobenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Chlorobenzene	-	-	-	-	-	<3.5	<3.5	<3.5		TM208#	<3.5 ug/l
Ethylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Ethylbenzene	-	-	-	-	-	<1.5	<1.5	<1.5		TM208#	<1.5 ug/l
p/m-Xylene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
p/m-Xylene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208#	<1.7 ug/l
Bromoform	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Bromoform	-	-	-	-	-	<3	<3	<3		TM208#	<3 ug/l
Styrene	-	-	-	-	-	<0.9	<0.9	<0.9		TM208#	<0.9 ug/l
Styrene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.1.2.2-Tetrachloroethane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.1.2.2-Tetrachloroethane	-	-	-	-	-	<4.4	<4.4	<4.4		TM208#	<4.4 ug/l
o-Xylene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
o-Xylene	-	-	-	-	-	<1.3	<1.3	<1.3		TM208#	<1.3 ug/l
1.2.3-Trichloropropane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2.3-Trichloropropane	-	-	-	-	-	<8.6	<8.6	<8.6		TM208#	<8.6 ug/l
Isopropylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Isopropylbenzene	-	-	-	-	-	<1.6	<1.6	<1.6		TM208#	<1.6 ug/l
Bromobenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Bromobenzene	-	-	-	-	-	<1.1	<1.1	<1.1		TM208#	<1.1 ug/l
2-Chlorotoluene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
2-Chlorotoluene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208#	<1.7 ug/l
Propylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l

Date 09.06.2008

Validated ✓
Preliminary

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds (cont)											
Propylbenzene	-	-	-	-	-	<2.5	<2.5	<2.5		TM208#	<2.5 ug/l
4-Chlorotoluene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
4-Chlorotoluene	-	-	-	-	-	<1.7	<1.7	<1.7		TM208#	<1.7 ug/l
1.2.4-Trimethylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2.4-Trimethylbenzene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208#	<1.4 ug/l
4-Isopropyltoluene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
4-Isopropyltoluene	-	-	-	-	-	<2.5	<2.5	<2.5		TM208#	<2.5 ug/l
1.3.5-Trimethylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.3.5-Trimethylbenzene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208#	<1.4 ug/l
1.2-Dichlorobenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2-Dichlorobenzene	-	-	-	-	-	<2.6	<2.6	<2.6		TM208#	<2.6 ug/l
1.4-Dichlorobenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.4-Dichlorobenzene	-	-	-	-	-	<1.4	<1.4	<1.4		TM208#	<1.4 ug/l
sec-Butylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
sec-Butylbenzene	-	-	-	-	-	<1.1	<1.1	<1.1		TM208#	<1.1 ug/l
tert-Butylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
tert-Butylbenzene	-	-	-	-	-	<1.5	<1.5	<1.5		TM208#	<1.5 ug/l
1.3-Dichlorobenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.3-Dichlorobenzene	-	-	-	-	-	<1.8	<1.8	<1.8		TM208#	<1.8 ug/l
n-Butylbenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
n-Butylbenzene	-	-	-	-	-	<1.8	<1.8	<1.8		TM208#	<1.8 ug/l
1.2-Dibromo-3-chloropropane	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2-Dibromo-3-chloropropane	-	-	-	-	-	<9.9	<9.9	<9.9		TM208#	<9.9 ug/l
1.2.4-Trichlorobenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2.4-Trichlorobenzene	-	-	-	-	-	<1.5	<1.5	<1.5		TM208#	<1.5 ug/l
Naphthalene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
Naphthalene	-	-	-	-	-	<3.6	<3.6	<3.6		TM208#	<3.6 ug/l
1.2.3-Trichlorobenzene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l
1.2.3-Trichlorobenzene	-	-	-	-	-	<2.8	<2.8	<2.8		TM208#	<2.8 ug/l
Hexachlorobutadiene	-	-	-	-	-	-	-	-		TM208#	<1 ug/l

Date 09.06.2008

Validated ✓
Preliminary

ALcontrol Laboratories Analytical Services
Table Of Results

[#] ISO 17025 accredited
[M] MCERTS accredited
* Subcontracted test
» Shown on prev. report

Job Number: 08/04324/02/01 **Matrix:** LIQUID
Client: Wardell Armstrong LLP **Location:** Not Specified
Client Ref. No.: SH03582 **Client Contact:** Phil Hesketh

Sample Identity	BH213AD	BH213AS	BH214D	BH214S	SOUGH DYKE D/S	SOUGH DYKE D/S	SOUGH DYKE U/S	WS110		Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID			
Sampled Date	09.04.08	09.04.08	04.04.08	04.04.08	09.04.08	09.04.08	09.04.08	08.04.08			
Sample Received Date	10.04.08	10.04.08	05.04.08	10.04.08	10.04.08	10.04.08	10.04.08	10.04.08			
Batch	8	8	7	8	8	8	8	8			
Sample Number(s)	**637**	**639-642**	**627-630**	**643-645**	**647**	**648-649**	**650-653**	**654-657**			
Volatile Organic Compounds (cont)											
Hexachlorobutadiene	-	-	-	-	-	<2.5	<2.5	<2.5		TM208[#]	<2.5 ug/l

Date 09.06.2008

ALcontrol Laboratories

Bradford Laboratory, George Steet, Bradford. BD1 5AU. (UKAS Lab No. 0996)
Rotherham Laboratory, Mill Cose, Rotherham. S60 1BZ. (UKAS Lab No. 0995/2300)
Telephone: 01709 841096 Fax: 01709 841079 E-mail: customer.services@alcontrol.co.uk

Certificate ID : 80066880/S/0/1

Certificate of Analysis

Alcontrol Chester
Units 7 & 8 Hawarden Business Park
Off Manor Lane
Hawarden
Deeside
CH5 3US

647/4324

Sample Date : 15/04/2008
Sample Received : 17/04/2008
Analysis Completed : 21/04/2008

Batch Number : 8015632

Laboratory Number : 80066880

Method	Determination	Result	Units
*BP50.3	Total coliforms	20000	No/100ml
*BP50.3	Escherichia coli	4570	No/100ml

Approved By



Phil Slater (Operations Manager)
01/05/2008

Methods prefied B were preformed at our Bradford Laboratory. A method prefixed R denotes a test carried out in Rotherham, D denotes Dunstable and $ denotes a subcontracted determination. Methods marked * are not included in the UKAS Accreditation Schedule for our laboratory. Sampling, opinions, interpretations and comments expressed herein are outside the scope of UKAS accresitation. Details of the methods used and their performance characteristics are available on request. < = less then, > = greater then. ~ denotes data supplied by (or calculated using a method supplied by) the client. For taste odour: 1 = present, 0 = absent.TVC analysis with results >300 cfu/ml is regarded as an estimate determined by calculation.

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ALcontrol Laboratories

Bradford Laboratory, George Steet, Bradford. BD1 5AU. (UKAS Lab No. 0996)
Rotherham Laboratory, Mill Cose, Rotherham. S60 1BZ. (UKAS Lab No. 0995/2300)
Telephone: 01709 841096 Fax: 01709 841079 E-mail: customer.services@alcontrol.co.uk

Certificate ID : 80066881/S/0/1

Certificate of Analysis

Alcontrol Chester
Units 7 & 8 Hawarden Business Park
Off Manor Lane
Hawarden
Deeside
CH5 3US

650/4324

Sample Date : 15/04/2008
Sample Received : 17/04/2008
Analysis Completed : 21/04/2008

Batch Number : 8015632

Laboratory Number : 80066881

Method	Determination	Result	Units
*BP50.3	Total coliforms	594000	No/100ml
*BP50.3	Escherichia coli	38700	No/100ml

Approved By

Phil Slater (Operations Manager)
01/05/2008

Methods prefied B were preformed at our Bradford Laboratory. A method prefixed R denotes a test carried out in Rotherham, D denotes Dunstable and $ denotes a subcontracted determination. Methods marked * are not included in the UKAS Accreditation Schedule for our laboratory. Sampling, opinions, interpretations and comments expressed herein are outside the scope of UKAS accresitation. Details of the methods used and their performance characteristics are available on request. < = less then, > = greater then. ~ denotes data supplied by (or calculated using a method supplied by) the client. For taste odour: 1 = present, 0 = absent.TVC analysis with results >300 cfu/ml is regarded as an estimate determined by calculation.

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ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM001	In - house Method	Screening of Soils for Fibres			WET	
TM018	BS 1377: Part 3 1990	Determination of Loss on Ignition	✓	✓	WET	
TM045	MEWAM BOD5 2nd Ed.HMSO 1988 / Method 5210B, AWWA/APHA, 20th Ed., 1999	Determination of BOD5 (ATU) by Oxygen Meter	✓		NA	
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)			DRY	
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	✓		DRY	
TM061	Method for the Determination of EPH,Massachusetts Dept.of EP, 1998	Determination of Extractable Petroleum Hydrocarbons by GC-FID (C10-C40)	✓	✓	DRY	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection			NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓		NA	
TM062	MEWAM BOOK 124 1988.HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓	✓	WET	
TM068	ASTM D-1552	Total sulphur determination by combustion method	✓		DRY	
TM070	Modified: US EPA Method 8250 & 625	Determination of Total Polychlorinated Biphenyls (PCB's) as Aroclor 1254 by GC-MS in Soils	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water			NA	
TM097	Modified: US EPA Method 325.1 & 325.2	Determination of Chloride using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser			NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓		NA	
TM098	Method 4500E, AWWA/APHA, 20th Ed., 1999	Determination of Sulphate using the Kone Analyser	✓	✓	DRY	
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser	✓		NA	
TM101	Method 4500B & C, AWWA/APHA, 20th Ed., 1999	Determination of Sulphide in soil and water samples using the Kone Analyser			NA	
TM102	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Total Oxidised Nitrogen using the Kone Analyser	✓		NA	
TM103	Method 4500H, AWWA/APHA, 20th Ed., 1999	Determination of Nitrite using the Kone Analyser	✓		NA	
TM104	Method 4500F, AWWA/APHA, 20th Ed., 1999	Determination of Fluoride using the Kone Analyser			NA	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS			WET	
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓		WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to $1.03x10^{-7}$

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS	✓	✓	WET	
TM123	BS 2690: Part 121:1981	The Determination of Total Dissolved Solids in Water			NA	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓	✓	DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓		NA	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM136	Method 17.10, Second Site property, March 2003	Determination of Sulphur by HPLC	✓		NA	
TM142	In - house method	Analysis of Polynuclear Aromatic Hydrocarbons (PAH) by GC-FID			DRY	
TM144/145		Organochlorine and Organophosphorus pesticides by GC-MS			DRY	
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser	✓		WET	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓		NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓		NA	
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the "Skalar SANS+ System" Segmented Flow Analyser	✓	✓	WET	
TM154	In - house Method	Determination of Petroleum Hydrocarbons by EZ Flash GC-FID in the Carbon range C6- C40			WET	
TM157		Determination of SVOC in Soils by GC-MS extracted by sonication in DCM/Acetone			WET	
TM168		Determination of WHO12 and EC7 Polychlorinated Biphenyl Congeners by GC-MS in Soils			DRY	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID			DRY	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID			NA	
TM176		Determination of SVOCs in Water by GCMS			NA	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters			NA	
TM180	Sulphide in waters and waste waters 1991 ISBN 01 175 7186 SCA rec. 2007 (unpublished)'	The Determination Of Easily Liberated Sulphide In Soil Samples by Ion Selective Electrode Technique	✓		WET	
TM182		Determination of Acid Neutralisation Capacity (ANC) Using Autotitration	✓		DRY	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry			NA	
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	✓		NA	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Report Key :

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03×10^{-7}

NDP	No Determination Possible	*	Subcontracted test
NFD	No Fibres Detected	»	Result previously reported (Incremental reports only)
#	ISO 17025 accredited	M	MCERTS Accredited
PFD	Possible Fibres Detected	EC	Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample [1]	Surrogate Corrected
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters			NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	✓		NA	
TM213	In-house Method	Rapid Determination of PAHs by GC-FID			WET	
TM61/89		see TM061 and TM089 for details			WET	

[1] Applies to Solid samples only. **DRY** indicates samples have been dried at 35°C. **NA** = not applicable.

ALcontrol Laboratories Analytical Services
Table Of Results - Appendix

Job Number: 08/04324/02/01
Client: Wardell Armstrong LLP
Client Ref. No.: SH03582

Summary of Coolbox temperatures

Batch No.	Coolbox Temperature (°C)
1	2.6
2	2.8
3	5.6
4	1.8
5	0.6
6	6.8
7	9.6
8	00

APPENDIX XI

Gas and Groundwater Level Monitoring Results

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 29/08/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
BH101	0.0	0.0	21.5	-0.2	Acc.	1007	+1.35	3.32	15.18
BH102A	0.0	0.0	21.3	-0.5	Acc.	1007	+1.35	2.4	18.02
BH104	0.0	0.2	18.2	-0.5	Acc.	1009	-0.04	5.3	9.90
BH108	0.0	1.2	12.5	+0.3	Acc.	1009	+0.06	1.97	13.8
BH112	0.0	0.0	21.8	+0.1	Acc.	1009	+0.06	3.93	14.97
BH115	0.0	0.0	21.7	0.1	Acc.	1009	+0.14	1.66	29.9
BH116	0.0	0.8	17.2	0.0	Acc.	1009	-0.1	3.1	14.97
BH117	0.0	0.8	17.5	-0.7	Acc.	1009	-0.2	4.54	14.93
BH118	0.0	0.6	16.3	+0.2	Acc.	1009	-0.2	5.39	14.97
WS105A	0.0	0.3	21.0	-0.1	Acc.	1009	+0.06	3.8	3.9
WS107	0.0	0.4	20.9	+0.6	Acc.	1009	+0.06	Dry	2.3
WS110	0.0	0.1	20.5	-0.3	Acc.	1009	-0.2	3.45	4.6

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 29/08/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
WS119	0.0	0.0	21.5	-0.3	Acc.	1009	+0.2	2.0	2.02
WS124	0.0	0.9	16.3	+0.3	Acc.	1009	-0.2	0.80	3.65

Atmospheric Pressure: As indicated **Instrument Used:** Infrared GA 2000

Pressure Trend: **Sample Type:** As indicated

Weather: Sunny, warm, dry **Operator:**

Notes:	No free product was detected

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP

Date of Sampling: 03/09/07

Site Name: Barnsley Markets and Adjacent CEAG Sites

Job Number: SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
BH106A	0.0	0.1	18.7	-0.1	Acc.	1004	-0.5	4.4	14.94

Atmospheric Pressure: As indicated

Instrument Used: Infrared GA 2000

Pressure Trend:

Sample Type: As indicated

Weather: Sunny, warm, dry

Operator:

Notes:	No free product was detected.

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 14/09/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
BH101	0.0	0.5	20.1	+0.1	Acc.	1002	-0.11	3.54	15.18
BH102A	0.0	0.0	21.4	+0.2	Acc.	1002	-0.11	2.1	18.02
BH104	0.0	0.1	21.4	-0.1	Acc.	1002	-0.11	5.73	9.90
BH106A	0.0	0.1	15.3	+0.1	Acc.	1002	-0.09	6.95	14.94
BH108	0.0	4.4	7.1	+0.3	Acc.	1002	-0.05	2.3	13.8
BH112	0.0	0.0	21.7	+0.3	Acc.	1002	-0.1	3.85	14.97
BH115	0.0	0.0	21.5	0	Acc.	1003	+0.5	2.16	29.9
BH116	0.0	0.6	19.9	-0.2	Acc.	1003	-0.05	3.04	14.97
BH117	0.0	0.8	18.7	0	Acc.	1003	-0.24	5.59	14.93
BH118	0.0	0.6	20.2	-0.1	Acc.	1003	+0.14	5.35	14.97
WS105A	0.0	0.2	21.2	+0.2	Acc.	1003	-0.09	3.77	3.9
WS107	0.0	0.6	21.7	+0.1	Acc.	1003	-0.06	Dry	2.3

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 14/09/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
WS110	0.0	0.5	21.2	+0.2	Acc.	1003	-0.09	3.44	4.6
WS119	0.0	0.1	21.4	-0.1	Acc.	1003	-0.05	1.70	2.02
WS124	0.0	1.9	11.3	0	Acc.	1003	-0.07	1.07	3.65

Atmospheric Pressure: As indicated **Instrument Used:** Infrared GA 2000

Pressure Trend: **Sample Type:** As indicated

Weather: Overcast, slight rain **Operator:**

Notes:	No free product was detected

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 21/09/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
BH101	0	0.4	20.5	-0.1	Acc.	997	-0.3	3.56	15.18
BH102A	0	0	21.0	+0.1	Acc.	998	-0.27	2.07	18.02
BH104	2.4	1.3	16.7	-0.1	Acc.	997	-0.2	5.80	9.90
BH106A	0	0.2	12.8	+0.2	Acc.	997	-0.18	7.06	14.94
BH108	0	5.3	3.4	-0.2	Acc.	997	-0.14	2.3	13.8
BH112	0	0.1	21.2	+0.2	Acc.	998	-0.23	6.45	14.97
BH115	0	0.1	21.5	-0.2	Acc.	996	-0.17	2.1	29.9
BH116	0	0.6	19.7	0	Acc.	996	-0.12	3.05	14.97
BH117	0	0.3	17.2	+0.2	Acc.	997	-0.26	5.55	14.93
BH118	0	0.5	20.7	+0.1	Acc.	996	-0.2	5.35	14.97
WS105A	0	0.4	20.4	-0.1	Acc.	977	-0.25	3.72	3.9
WS107	0	0.6	20.8	-0.1	Acc.	996	-0.26	dry	2.3

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 21/09/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
WS110	0	0.5	20.9	+0.2	Acc.	996	-0.3	3.45	4.6
WS119	0	0.1	21.5	-0.2	Acc.	996	-0.19	1.68	2.02
WS124	0	1.9	8.1	+0.2	Acc.	996	-0.07	0.98	3.65

Atmospheric Pressure: As indicated **Instrument Used:** Infrared GA 2000

Pressure Trend: **Sample Type:** As indicated

Weather: Overcast, some light rain **Operator:**

Notes:	No free product was detected

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 29/10/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
BH101	0.0	1.0	19.2	-0.1	Acc.	996	-0.16	3.73	15.18
BH102A	0.0	0.1	20.3	-0.1	Acc.	996	+0.13	2.2	18.02
BH104	0.0	0.1	18.6	+0.1	Acc.	997	0.06	5.8	9.90
BH106A	0.0	0.2	8.2	0	Acc.	997	0.15	8.18	14.94
BH108	0.0	1.5	18.7	-0.1	Acc.	997	-0.06	2.5	13.8
BH112									
BH115	0.0	0.2	21.1	-0.2	Acc.	997	0.2	2.32	29.9
BH116	0.0	0.9	18.8	+0.3	Acc.	998	0.1	3.12	14.97
BH117	0.0	2.1	15.8	+0.1	Acc.	997	0.14	4.68	14.93
BH118	0.0	1.7	11.7	-0.3	Acc.	997	-1.12	5.4	14.97
WS105A	0.0	0.1	21.3	-0.2	Acc.	997	-0.12	3.4	3.9
WS107	0.0	0.1	21.0	-0.4	Acc.	997	-0.14	Dry	2.3
WS110	0.0	0.5	20.9	0.1	Acc.	997	-0.1	3.48	4.6

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 29/10/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
WS119	0.0	0.1	21.3	0.3	Acc.	998	-0.11	1.68	2.02
WS124	0.0	1.7	3.8	-0.1	Acc.	998	-0.11	0.97	3.65

Atmospheric Pressure: As indicated **Instrument Used:** Infrared GA 2000

Pressure Trend: Falling **Sample Type:** As indicated

Weather: Sunny, clear and cold **Operator:** J Lymer / J Wright

Notes:	No free product detected. BH112 inaccessible due to headworks being covered by tarmac.

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 13/11/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
BH101	0.0	0.8	20.1	0.1	Acc.	998	-0.1	4.03	15.18
BH102A	0.0	0.3	16.2	0.2	Acc.	998	-1.0	6.93	18.02
BH104	0.3	1.2	17.7	0.2	Acc.	997	0.0	5.82	9.90
BH106A	0.0	0.2	8.7	0.3	Acc.	997	0.0	7.00	14.94
BH108	0.0	6.7	1.8	0	Acc.	997	-0.2	2.61	13.8
BH112									
BH115	0.0	0.1	21.2	0	Acc.	997	0.1	2.38	29.9
BH116	0.0	0.6	20.6	0	Acc.	998	-1.0	3.20	14.97
BH117	0.0	1.8	18.8	-0.1	Acc.	997	0.04	4.73	14.93
BH118	1.2	3.8	2.0	1.0	Acc.	997	1.5	5.40	14.97
WS105A	0.0	1.8	17.9	0.1	Acc.	997	0.4	3.70	3.9
WS107	0.0	0.3	21.4	-0.1	Acc.	997	0.6	Dry	2.3
WS110	0.0	0.4	21.1	0.1	Acc.	997	0.03	3.49	4.6

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP

Date of Sampling: 13/11/07

Site Name: Barnsley Markets and Adjacent CEAG Sites

Job Number: SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
WS119	0.0	0.1	21.4	0	Acc.	998	0.2	1.80	2.02
WS124	0.0	1.9	0.0	-0.1	Acc.	998	-3.0	1.04	3.65

Atmospheric Pressure: As indicated

Instrument Used: Infrared GA 2000

Pressure Trend: Falling rapidly

Sample Type: As indicated

Weather: Overcast, light intermittent rain

Operator: P Hesketh / J Wright

Notes:	No free product detected. BH112 inaccessible due to headworks being covered by tarmac.

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 19/11/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
BH101	0.0	1.0	20.1	0	Acc.	985	0.03	4.17	15.18
BH102A	0.0	0.2	16.2	0.1	Acc.	985	-0.2	6.62	18.02
BH104	0.0	1.2	18.5	0.2	Acc.	985	0.3	5.78	9.90
BH106A	0.0	0.2	8.8	0.1	Acc.	985	-0.04	6.95	14.94
BH108	0.0	6.9	1.4	0.1	Acc.	985	-0.2	2.72	13.8
BH112	0.0	0.3	13.5	0.3	Acc.	985	0.2	4.05	14.97
BH115	0.0	0.2	20.9	0.1	Acc.	985	-0.1	2.39	29.9
BH116	0.0	0.9	19.4	0.3	Acc.	985	0.05	3.20	14.97
BH117	0.0	2.4	18.4	0	Acc.	985	0.4	4.69	14.93
BH118	0.0	3.3	6.3	-1.5	Acc.	985	0.1	5.46	14.97
WS105A	0.0	2.4	17.7	0.1	Acc.	985	0.3	3.65	3.9
WS107									
WS110	0.0	0.1	21.3	-0.1	Acc.	985	0.01	3.43	4.6

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP

Date of Sampling: 19/11/07

Site Name: Barnsley Markets and Adjacent CEAG Sites

Job Number: SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)	Depth to Base (m bgl)
WS119	0.0	0.4	20.6	0	Acc.	985	0.2	1.67	2.02
WS124	0	1.5	0.0	-0.2	Acc.	985	-1.0	0.86	3.65

Atmospheric Pressure: As indicated

Instrument Used: Infrared GA 2000

Pressure Trend: Steady

Sample Type: As indicated

Weather: Overcast, light intermittent rain

Operator: P Hesketh

Notes:	No free product detected. WS107 obstructed by car.

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 26/02/08

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
BH101	0	2.0	17.8	0	Acc.	986	0.03	3.14
BH102A	0	1.4	17.9	0.1	Acc.	986	0.03	6.37
BH104	0	1.4	17.6	0.2	Acc.	986	0.03	5.46
BH106A	0	0.4	5.3	0.8	Acc.	986	0.36	6.41
BH108	0	7.1	1.4	0.1	Acc.	986	0.24	2.90
BH112	0	1.0	19.3	0	Acc.	986	0.07	5.96
BH115	0	0.1	20.1	0	Acc.	987	0.29	2.18
BH116	0	1.3	17.2	0.3	Acc.	987	0.29	3.14
BH117	0	2.8	15.5	0.1	Acc.	987	0.29	4.30
BH118	0	4.5	2.7	1.0	Acc.	985	0.83	5.43
WS105A	0	1.9	18.0	0	Acc.	986	0.03	2.37
WS107	0	0.5	19.4	0	Acc.	986	-0.01	1.88
WS110	0	0.3	19.9	0	Acc.	986	0.24	3.39

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 26/02/07

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
WS119	0	0.2	20.0	0.2	Acc.	997	0.29	1.7
WS124	0	0.4	14.5	0	Acc.	997	0.29	0.86

Atmospheric Pressure: As indicated **Instrument Used:** Infrared GA 2000

Pressure Trend: Rising **Sample Type:** As indicated

Weather: Sunny, light intermittent rain **Operator:** K Wiak

Notes:	No free product detected. BH118 - peak flow of 5.5l/hr.

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 10/04/08

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
BH101	0	0.5	19.5	-0.3	Acc.	984	0.11	3.14
BH102A	0	0.8	15.5	0.1	Acc.	984	0.9	5.994
BH104	0	1.9	16.3	0	Acc.	984	0.11	5.86
BH108	3.8	6.2	2.3	0.1	Acc.	984	0.09	3.758
BH112	0	0.5	19.1	0	Acc.	984	0.02	3.700
BH115	0	0.1	19.8	0	Acc.	984	0.02	2.21
BH116	0	0.8*	17.5	0.4	Acc.	984	0.02	3.086
BH117	0	2.1	17.5	-0.1	Acc.	985	0.71	4.393
BH118	0	5.3	0.8	0.1	Acc.	985	0.24	5.378
WS105A	0	1.9	17.2	0	Acc.	985	0.2	2.762
WS107	0	0.2	19.8	0.2	Acc.	984	0.63	1.948
WS110*	0	5.8	18.0	0	Acc.	984	0.63	3.255
BH106A	0	0.2	5.3	-0.4	Acc.	984	0.11	6.562
WS119	0	0	19.9	0.2	Acc.	984	-0.04	1.686

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 10/04/08

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
WS124	0	0.4	12.8	0	Acc.	984	2.09	0.605
BH202	7.3	0.2	19.1	0	Acc.	984	0.63	7.393
BH207s*	2.7	3.9	7.5	0.1*	Acc.	985	0.2	3.79
BH207d*	0.4	1.2	17.4	-0.3*	Acc.	985	0.2	7.637
BH208s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.974
BH208d	0	0.4	19.8	-0.8	Acc.	985	0.2	3.515
BH210	0	6.2*	17.4	-0.2*	Acc.	984	0.63	4.208
BH211	0	0	19.6	0.1	Acc.	984	0.08	1.704
BH212	0	0	18.9	0.1	Acc.	984	0.63	5.175
BH213s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.576
BH213d	0	0.5	19.7	0*	Acc.	984	0.02	3.173
BH214s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.74
BH214d	0	0.2	19.9	0.2	Acc.	984	0.16	1.74

Atmospheric Pressure: As indicated

Instrument Used: Infrared GA 2000

Pressure Trend: Falling

Sample Type: As indicated

Weather: Cloudy with sunny intervals, (11 C).

Operator: K Wiak

Notes:	BH116 – peak CO2 recorded as 2.8%. WS110* - recorded 25ppm CO. BH207s* - recorded 310ppm CO, peak flow of 5.04 l/hr. BH207d* - recorded 153ppm CO, peak flow of 6.7 l/hr. BH210 - peak CO2 recorded as 6.7%, peak flow of 1.1l/hr. BH213d - peak flow of 0.2 l/hr. Additional a conductivity testing was carried out in the BH207 s & d, BH208 s & d, BH213 s & d and BH214 s & d.

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 17/04/08

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
BH104	0	1.5	17.7	0.2	Acc.	1001	0.39	5.76
BH108	0.3	6.3	2.4	0	Acc.	1002	0.01	3.905
BH115	0	0.2	19.9	0	Acc.	1002	0.16	2.287
BH118	0	4.0	4.9	0.1	Acc.	1003	0.8	5.42
WS110	0	0.1	20.0	0.1	Acc.	1002	0.1	3.332
BH202	2	3.6	18.0	-0.6	Acc.	1002	0.17	7.39
BH207s	2.0	4.4	4.0	0.1	Acc.	1002	0.12	3.65
BH207d	0.3	1.7	17.6	0.2*	Acc.	1002	0.12	7.845
BH208s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.0
BH208d	0	0.6	19.8	0	Acc.	1002	-0.07	3.595
BH210	0	3.9*	18.5	0.2	Acc.	1002	1.37	4.07
BH211	0	0	20.0	-0.2	Acc.	1002	-0.12	1.705
BH212	0	0	18.7	0.1	Acc.	1002	0.13	5.175
BH213s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.12

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 17/04/08

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
BH213d	0	0.8	20.0	0.2	Acc.	1002	0.16	3.225
BH214s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.84
BH214d	0	0.2*	20.0	0.1	Acc.	1002	0.12	1.84

Atmospheric Pressure: As indicated **Instrument Used:** Infrared GA 2000

Pressure Trend: Falling (first reading 1003mb) **Sample Type:** As indicated

Weather: Cloudy with sunny intervals **Operator:** K Wiak

Notes:	BH207d – peak flow of 0.3 l/hr. BH210 – peak CO2 recorded as 6.0%. BH214d - peak CO2 recorded as 1.5%.

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 29/04/08

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
BH104	0	1.4	17.8	0	Acc.	984	-0.22	5.82
BH108	0	6.2	2.3	0.2	Acc.	985	0.01	3.9
BH112	0	1.1	18.5	0.3	Acc.	985	0.19	4.84
BH118	0	4.9	3.6	0.1	Acc.	987	0.68	5.39
WS110	0	0.2	19.5	0	Acc.	985	0.15	3.36
WS124	0	1.6	1.1	-0.1	Acc.	987	0.68	0.55
BH202	1.0	4.3	16.8	0	Acc.	985	-0.06	7.5
BH207s	2.2	2.5	8.7	0	Acc.	985	-0.13	3.29
BH207d	0	1.9	16.8	0.9*	Acc.	985	-0.13	7.82
BH208s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.99
BH208d	0	0.2	19.7	0.1	Acc.	985	-0.08	3.623
BH210	0	4.5	17.4	0	Acc.	985	-0.17	4.155
BH211	0	0	19.8	0	Acc.	985	0.19	1.71

WARDELL ARMSTRONG LLP

RECORD OF MEASUREMENTS FOR GAS MONITORING BOREHOLES

Client Name: 1249 Regeneration Partnership LLP **Date of Sampling:** 29/04/08

Site Name: Barnsley Markets and Adjacent CEAG Sites **Job Number:** SH03582

Borehole Ref.	CH_4 % by Volume	CO_2 % by Volume	O_2 % by Volume	Flow Rate l/hr	Sample Type	Barometric Pressure (mb)	Relative Pressure (mb)	Depth to Water (m bgl)
BH212	0	0.2	17.4	-0.2	Acc.	985	0.36	5.18
BH213s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.07
BH213d	0	1.4	19.1	0.1	Acc.	987	0.13	3.25
BH214s	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.80
BH214d	0	0.8	19.2	-0.2	Acc.	987	-0.05	1.80

Atmospheric Pressure: As indicated **Instrument Used:** Infrared GA 2000

Pressure Trend: Falling **Sample Type:** As indicated

Weather: Sunny **Operator:** K Wiak

Notes:	BH207d – peak flow of 3.3 l/hr.

APPENDIX XII

CLR 7 Statistical Analysis of Geochemical Results

Wardell Armstrong
Engineering & Environmental Solutions

R&D PUBLICATION CLR 7 STATISTICAL ANALYSIS

Job Number: **SH03582** Job Name: **Barnsley Markets - Stages 1 and 2**

Assessor: **H Langford** Date: **30-Apr-08**

Determinand	Cyanide (Total)	Phenol (Total-Mono)	Sulphide (S2-)	Arsenic (As)	Boron (B)	Cadmium (Cd)	Chromium (Cr)	Copper (Cu)	Lead (Pb)	Mercury (Hg)	Nickel (Ni)	Selenium (Se)	Sulphate (Total)	Sulphate (2:1)	Zinc Zn	pH
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	g/l	mg/kg	
LOD	1.0	0.15	50.0	3.0	3.5	0.3	4.5	6.0	2.0	0.6	0.9	3.0	0.01	0.003	2.5	
BH101 (0.1m)	<1	<0.15	<50	9	<3.5	0.3	23	47	60	<0.6	22	<3	0.08		140	7.94
BH101 (1.0m)	<1	<0.15	<50	19	<3.5	0.4	21	38	62	<0.6	31	<3	0.23		86	9.17
BH102A (0.5m)	<1	<0.15	<50	7	<3.5	<0.3	9.0	13	54	<0.6	10	<3	0.36		77	9.91
BH102A (1.0m)	<1	<0.15	<50	160	<3.5	0.7	230	690	130	<0.6	670	<3	0.18		130	8.03
WS103 (0.5m)	<1	<0.15	<50	9	<3.5	<0.3	18	30	55	<0.6	18	<3	0.31	0.35	99	10.01
WS103 (0.8m)	<1	<0.15	<50	19	<3.5	<0.3	180	160	110	<0.6	55	<3	0.17		250	9.32
WS103 (20.0m)	<1	<0.15	<50	19	<3.5	0.4	95	170	130	<0.6	53	<3	0.16		250	8.87
WS103A (0.5m)	<1	0.19	<50	15	<3.5	<0.3	17	37	85	<0.6	31	<3	0.06	0.024	110	8.49
BH104 (0.5m)	<1	<0.15	<50	10	<3.5	<0.3	14	38	100	<0.6	26	<3	0.11		79	8.70
WS105A (0.5m)	1	<0.15	<50	5	<3.5	<0.3	18	26	28	<0.6	31	<3	0.22		91	8.08
BH106 (0.3-0.7m)	<1	<0.15	<50	4	<3.5	<0.3	12	18	38	<0.6	11	<3	0.52		110	11.16
BH106A (1.0m)	<1	<0.15	<50	7	<3.5	<0.3	16	10	30	<0.6	26	<3	0.04		91	9.29
BH108 (0.4m)	<1	<0.15	<50	8	<3.5	<0.3	5.1	93	31	<0.6	20	<3	0.31	0.55	26	7.03
WS110 (0.6m)	<1	<0.15	<50	7	<3.5	<0.3	15	23	50	<0.6	28	<3	0.11	0.28	96	8.19
BH111 (0.5m)	<1	0.35	<50	<3	<3.5	1.3	69	12	28	<0.6	12	<3	0.07		89	8.59
BH111 (1.0m)	<1	<0.15	<50	9	<3.5	<0.3	12	48	70	<0.6	13	<3	0.07		65	8.43
BH112 (0.5m)	<1	0.47	60	<3	<3.5	<0.3	<4.5	<6	4	<0.6	4.2	<3	0.09		14	9.53
BH112 (1.0m)	<1	<0.15	530	7	<3.5	0.5	33	20	30	<0.6	13	<3	0.65		46	10.04
WS113 (0.4m)	<1	0.48	660	<3	<3.5	1.1	17	8	59	<0.6	12	<3	0.87		74	11.23
BH114 (0.5m)	<1	<0.15	<50	4	<3.5	1.2	12	14	22	<0.6	5.6	<3	0.25		68	11.37
BH115 (0.5m)	<1	<0.15	<50	8	<3.5	<0.3	17	33	30	<0.6	31	<3	0.04		85	7.78
BH115 (1.0m)	<1	<0.15	<50	5	<3.5	0.4	21	36	35	<0.6	46	<3	0.09	0.17	130	6.67
BH116 (0.5m)	<1	<0.15	<50	<3	<3.5	0.9	6.6	6	13	<0.6	<0.9	<3	0.04		74	10.74
BH116 (1.0m)	<1	<0.15	<50	20	42	0.6	22	43	200	<0.6	23	<3	0.06	0.053	120	7.96
BH117 (0.5m)	<1	<0.15	<50	26	<3.5	0.5	17	71	140	<0.6	20	<3	0.11	0.11	73	8.30
BH117 (1.0m)	<1	<0.15	<50	6	<3.5	<0.3	19	12	35	<0.6	36	<3	0.10		100	6.80
BH118 (0.5m)	<1	<0.15	<50	36	<3.5	1.3	11	57	190	<0.6	15	<3	0.31		100	8.24
BH118 (1.0m)	<1	<0.15	<50	8	<3.5	<0.3	19	22	35	<0.6	15	<3	0.08	0.073	74	6.07
WS119 (0.2m)	<1	<0.15	61	4	<3.5	0.7	130	39	57	<0.6	15	<3	0.07	0.060	100	8.34
WS121 (0.1-0.25m)	<1	<0.15	210	20	<3.5	<0.3	10	79	56	<0.6	26	<3	0.31		49	8.81
WS122 (0.5m)	<1	<0.15	<50	4	<3.5	<0.3	15	11	34	<0.6	36	<3	0.04	0.062	98	6.25
WS123A (0.6m)	<1	<0.15	320	3	<3.5	<0.3	110	<6	42	<0.6	35	<3	0.11		140	9.94
WS124 (0.5m)	<1	<0.15	<50	15	<3.5	<0.3	10	34	94	<0.6	24	<3	0.05	0.042	100	8.69
WS125 (0.6m)	<1	<0.15	<50	<3	<3.5	0.3	6.8	8	23	<0.6	7.0	<3	0.07		72	9.34
WS221 (0.5-1.0m)				5				56	57		15		0.38		140	9.26
WS223 (0.5-1.0m)				3				20	25		9.3		0.055		47	8.49
WS224 (0.4m)				6				32	72		20		0.13		110	8.20
WS226 (0.6-1.1m)				3				30	55		9.5		0.36		150	10.51
WS227 (0.7m)				8				57	92		24		0.25		100	9.74
WS228 (0.4-0.7m)				7				26	110		13		0.2		120	9.16
WS229 (0.5-0.8m)	<1	<0.15	<50	7	<3.5	<0.3	15	26	45	<0.6	12	<3	0.16		93	8.55
WS230 (0.3-0.5m)				15				44	54		11		0.4		110	9.93
WS231 (0.5-0.7m)				46				120	110		45		0.25		110	8.28
WS232 (0.5-0.7m)				9				41	88		14		0.46		80	9.72
BH201 (0.3-0.5m)				8				61	48		11		0.3		77	11.31
BH205 (0.5m)	<1	<0.15	<50	7	<3.5	<0.3	15	23	10	<0.6	28	<3	0.02		77	7.62
BH215 (0.8-1.0m)	<1	1.8	<50	13	<3.5	<0.3	16	43	240	<0.6	16	<3	0.06		77	8.09
BH219 (0.6-0.7m)	<1	<0.15	<50	41	<3.5	0.8	11	190	360	1.5	19	<3	0.18		240	8.24
WS235 (0.9m)				18				41	100		18		0.31		61	8.82
WS236 (0.5-0.6m)	<1	<0.15	<50	4	<3.5	<0.3	18	28	31	<0.6	43	<3	0.02	0.05	130	9.59
WS237 (0.7-0.8m)	<1	<0.15	<50	4	<3.5	<0.3	19	39	41	<0.6	33	<3	0.06		120	8.73
WS238 (0.5-0.6m)	5	<0.15	<50	11	<3.5	<0.3	17	33	990	<0.6	21	<3	0.17	0.28	74	8.32
WS239A (0.5-0.6m)	2	1.1	<50	9	<3.5	<0.3	21	27	73	<0.6	28	<3	0.07		84	8.06
WS240 (0.5-0.7m)	8	<0.15	<50	8	<3.5	<0.3	24	31	15	<0.6	34	<3	0.06		100	8.44
WS243 (0.8-1.0m)	<1	<0.15	<50	<3	<3.5	<0.3	25	33	78	<0.6	35	<3	0.07		95	8.5
BH 204 (1.0m)	<1	<0.15	<50	<3	<3.5	<0.3	23	45	11	<0.6	30	<3	0.067		69	7.88
BH 206 (1.0m)	<1	<0.15	<50	26	<3.5	0.4	20	68	150	<0.6	54	<3	0.1		200	6.98
BH 207 (1.0m)	<1	<0.15	<50	4	<3.5	<0.3	15	23	30	<0.6	30	<3	0.094		110	8.21
BH 213 (1.0m)	<1	<0.15	<50	6	<3.5	<0.3	93	27	41	<0.6	12	<3	0.075		89	7.26
BH 214 (0.5m)	<1	<0.15	<50	6	<3.5	<0.3	17	28	25	<0.6	31	<3	0.06		96	5.32
WS 245 (0.7-0.8m)	<1	<0.15	<50	<3	<3.5	<0.3	24	25	16	<0.6	30	<3	0.067	0.18	88	8.31
WS 246 (0.6-0.8m)	<1	<0.15	<50	14	<3.5	<0.3	13	56	27	<0.6	19	<3	1.9		31	8.74
WS 247 (0.4m)	<1	0.26	<50	<3	<3.5	<0.3	<4.5	<6	3	<0.6	1.3	<3	0.037	0.049	19	9.36
WS 248 (0.7-0.8m)				<3				<6	15		2.9		0.032		19	8.95
WS 250 (0.4m)	<1	<0.15	<50	5	<3.5	<0.3	18	27	46	<0.6	32	<3	0.036		120	8.63
WS 251 (0.4m)	<1	<0.15	<50	4	<3.5	<0.3	22	74	8	<0.6	42	<3	0.077	0.082	86	6.74
WS 252 (0.8m)	<1	0.35	<50	8	<3.5	<0.3	19	30	31	<0.6	30	<3	0.07		99	8.07
TP270 (0.1m)	<1	<0.15	<50	4	<3.5	0.5	77	47	44	<0.6	18	<3	0.05		92	8.06
TP271 (0-0.2m)	<1	<0.15	<50	<3	<3.5	0.8	160	38	42	<0.6	11	<3	0.054	0.024	87	8.37
TP275 (0-0.3m)				4				44	49		18		0.077		120	8.5
TP277 (1.0m)				19				34	260		22		0.067		72	8.25
WS254 (0.5-0.8m)	<1	<0.15	<50	7	<3.5	<0.3	17	25	16	<0.6	30	<3	<0.01		85	7.16
WS255 (0.5-0.6m)	<1	<0.15	<50	7	<3.5	<0.3	20	39	24	<0.6	27	<3	0.096		110	7.28
WS256 (0.8m)	<1	<0.15	<50	18	<3.5	<0.3	12	29	30	<0.6	26	<3	0.033	0.038	100	7.41
WS257 (0.6-0.7m)	<1	<0.15	<50	11	<3.5	<0.3	17	28	44	<0.6	43	<3	0.021		140	7.67
WS258 (0.6-0.7m)				17				49	300		14		0.48		65	8.64
WS259 (0.5-1.5m)				<3				11	5		5.4		0.04		21	8.62
WS264 (0.7m - 0.9m)	<1	<0.15	<50	7	<3.5	0.4	22	230	64	<0.6	19	<3	0.25		120	7.94
Total Sample Number, *N*	62	62	62	78	62	62	62	78	78	62	78	62	78	18	78	78
Min Concentration Detected, *min*	0	0	0	3	0	0	0	6	3	0	0.9	0	0.01	0	14	5.32
Max Concentration Detected, *max*	8	1.8	660	160	42	1.3	230	690	990	1.5	670	3	1.9	0.55	250	11.37
Arithmetic Mean, *x*	0.95	0.17	59.50	11.64	3.28	0.33	25.76	50.62	1.67	0.49	31.13	2.38	0.18	0.03	96.65	8.55
Unbiased Standard Deviation, *s*	1.16	0.26	109.71	19.04	5.24	0.32	46.57	83.57	0.43	0.30	74.32	1.37	0.25	0.19	44.09	1.18
95th Percentile Confidence, *t*	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.74	1.67	1.67
Upper Bound Value, *US95*	1.19	0.22	83	15	4.4	0.4	36	66	1.75	0.6	45	3	0.23	0.11	105	8.33
Screening Criteria, *G*	50***	21900*	250*****	500*	3*****	1400*	5000*	45700**	2.9****	480*	5000*	8000*	-	-	188000*	<5
Log Max Concentration, *Ymax*	0.90	0.26	2.82	2.20	1.62	0.11	2.36	2.84	3.00	0.18	2.83	0.48	0.28	-0.26	2.40	1.06
Running Arithmetic Mean, *Yavg*	0.63	-0.76	1.76	0.88	0.56	-0.42	1.31	1.51	1.67	-0.22	1.29	0.48	-0.96	-1.05	1.94	0.93
Unbiased Standard Deviation, *Sy*	0.06	0.20	0.23	0.35	0.14	0.18	0.37	0.37	0.43	0.05	0.37	0.00	0.42	0.40	0.23	0.06
Outlier Test Statistic, *T*	4.85	5.02	4.68	3.82	7.75	2.92	2.88	3.55	3.08	7.75	4.15	-0.99	2.95	1.95	2.03	3.32
Critical Value, *Tcrit*	2.85	2.85	2.85	2.93	2.85	2.85	2.85	2.93	2.93	2.85	2.93	2.85	2.93	2.34	2.93	2.93
Outlier?	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	no	no	yes

*CLEA SGVs, **LQM/CIEH GAC, ***Dutch Intervention Value, ****Log Lead SGV, *****ICRCL Threshold