Environmental Monitoring Report

Reporting Period
29/08/2011-02/10/2011

Former Bayer Crop Science Site
Hauxton
Cambridgeshire

11th October 2011

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On behalf of:

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APPENDICIES

1.0 Introduction

1.1. General

This report has been prepared and submitted in accordance Environmental Permitting Regulations 2007 with reference to the approved Deployment of Vertase FLI's Environmental Permit Ref: ERP/QP3293FY for the remediation works at the former Bayer CropScience site Hauxton, and in accordance with Condition 4 of the planning permission dated 5th February 2010.

The time period that this report represents is from the 29th of August 2011, until the 2nd of October 2011.

1.2. The site

The site is the former Bayer Crop Science site, Cambridge Road, Hauxton, Cambridge. The site was used for the storage and production of agrichemicals from the 1940's through to ceasing production in 2004. The site was used primarily for the synthesis, formulation, packaging and storage of agrichemicals (both herbicides and pesticides). It is this former historical use that has led to the contamination legacy of soil and groundwater at the site.

There is also a Waste Water Treatment Plant (WWTP) and other agricultural land which is part of the former land holding of Bayer Crop Science and is part of that controlled by Harrow Estates. The WWTP will be utilised to assist in the treatment of recovered groundwater and will be improved to undertake this task and then maintained for the duration of the remediation. This area of the site will not be subject to remediation as part of this phase of works but will be remediated as a separate phase of work under a separate contract and separate Remediation Method Statement in the future.

1.3. Remediation Brief and Philosophy

The philosophy for this remediation project is set out in detail in the agreed Remediation Method Statement. The remediation of the site has been developed from knowledge of the site gained from historical site investigations, Atkins Preliminary Conceptual Model Report August 2006 (interpretative report defining the current and correct understanding of the geological and

environmental conditions) and subsequent sampling and analysis defining the extent of contamination following further investigation. This information has allowed the conceptual site model and pollutant linkages to be developed to form the remediation methodology. Whilst the remediation work itself is complex and varied, the philosophy is simple and defines the proposed remedial action required. This philosophy has been designed with the brief in mind. This brief can be defined as "a remediation to address all pollutant linkages and ensure that following remediation and re-development no unacceptable risks will remain associated with the treated area of the site by applying the best available techniques not entailing excessive costs (BATNEEC)".

The philosophy behind the remediation is to remove all uncertainty relating to soils and groundwater within the site area by the excavation, characterisation and treatment. All pathways between the identified sources and receptors will be removed and the contaminant mass within soils reduced as far as the practical limits of cost effective technology permit. The Remediation Method Statement sets out how this philosophy or strategy will be achieved practically on site and validated with confirmative post remediation risk assessment.

These remediation works are also required to satisfy the regulators that adequate remediation works have been completed to satisfy their requirements under Part IIa of the Environmental Protection Act 1990.

2.0 Monthly Progress

Week 77. Week Commencing 29th August 2011

Excavation of the bentonite wall structure continued in grid squares G8 to G10 with low impacted bentonite and marl being created into treatment beds in the centre of the site. The excavations along the route of the bentonite wall were restored with marl excavated from the southeast of the site.

Restoration of remediated soils continues along the bentonite wall and in the south east corner of the site. Turning of treatment beds was undertaken to promote biological degradation and dry the material in preparation for reinstatement. Off site disposal of one particularly recalcitrant treatment bed continues with this waste being transported under the hazardous waste regulations to an off site licensed disposal facility.

Week 78. Week Commencing 5th September 2011

Excavation continues in the eastern part of the site progressing from the now completed bentonite wall section through grid squares G9 to G15, low impacted materials form treatment beds to the south of the site.

Restoration of remediated soils continues in the centre, eastern and south eastern parts of the site. Turning of treatment beds was undertaken to promote biological degradation and dry the material in preparation for reinstatement. Off site disposal of one particularly recalcitrant treatment bed continues with this waste being transported under the hazardous waste regulations to an off site licensed disposal facility. Trial pitting was undertaken in the east and south of the site to validate certain parts of the site that were anticipated to not require remediation.

Week 79. Week Commencing 12th September 2011

Excavation continues through grid squares G13 to G15, low impacted materials form treatment beds to the south of the site. Excavation plant then moves to a known solvent hotspot in E and F19, removing impacted materials to treatment beds.

Restoration of remediated soils continues in the eastern and south eastern parts of the site. Turning of treatment beds was undertaken to promote biological degradation and dry the

material in preparation for reinstatement. The off site disposal of recalcitrant materials was completed on the 14th September. The treatment area liner from the centre of the site was excavated and disposed of offsite to an appropriate disposal facility. Breaking out of concrete slab and foundations commenced in the south of the site in the area of the high bay warehouse, with concrete being stockpiled to await crushing.

Week 80. Week Commencing 19th September 2011

Excavation focussed on the eastern boundary of the site in grid squares D, E, and F 13 to 16 removing a fuel associated hydrocarbon hotspot and creating a treatment bed in the centre of the site. A former UST was excavated and validating in grid squares F16 to 17.

Restoration of remediated was undertaken in F16 to 17 and in the south east of the site. Turning of treatment beds continues to promote biological degradation and dry the material in preparation for reinstatement. Breaking out of concrete slab and foundations continued in the south of the site in the area of the high bay warehouse, with concrete being stockpiled to await crushing.

Week 81. Week Commencing 26th September 2011

Excavation continued along the east of the site in grid squares E11- to F13, and then moved to the south west of the site to generate suitable non impacted marl for restoration to zone 1. The tarmac surfaces of the site entrance and former car park to the north of the site were excavated and stored in stockpiles to await chemical testing.

Restoration of remediated was undertaken in the south west of the site. Turning of treatment beds continues to promote biological degradation and dry the material in preparation for reinstatement. Breaking out of concrete slab and foundations continued in the south of the site in the area of the high bay warehouse, concrete crushing plant was mobilised to site to process the concrete to a reusable state.

3.0 Environmental Monitoring Summary

The environmental monitoring locations detailed in the Environmental Permit deployment form for the site are highlighted in drawing D907_33C in Appendix A.

The detailed environmental monitoring data can be found in Appendix B, the following chapters summarise the finding from the monitoring undertaken by Vertase FLI Site Engineers.

3.1. Odour and VOC Emissions

Odour and VOC monitoring around the site boundary commenced on the 22nd March 2010 and has been undertaken twice daily at eight compass points around the site boundary, in the public access areas. Odour and VOC related observations in between the eight compass points around the site are also noted by the Vertase FLI representative undertaking the monitoring.

In addition to physical control via covers and management of activities odour controlling suppressants and masking agent are being used around the site boundary to mitigate the impact of odour migration off site.

Site generated odours including those from the remediation processes and the odour suppression systems observed during the monitoring rounds beyond the site boundary are listed in the environmental monitoring data spreadsheet in Appendix B.

The Vertase FLI Environmental Engineers and Site Management team have been working closely to prevent odours and VOC's generated by the remediation processes migrating off site, along with trying to achieve a fine balance of using a specific odour control fragrance's at a variety of dilutions to reduce the impact of any odours detected off site.

The Environmental Engineers have logged the actions undertaken on site to reduce the impact of VOC/odours off site, these are noted in the environmental monitoring data in Appendix B. All mitigation measures have been in accordance with the actions stipulated in the deployment form, including some additional actions to reduce the potential of odour nuisance e.g. repositioning of mobile odour control systems.

During the twice daily environmental monitoring a Photoionisation Detector (PID) has been used to record VOC's present beyond the site boundary. The PID will not function correctly in wet weather conditions, this has prevented real-time monitoring on a number of days and data is missing from the environmental monitoring spreadsheet for this reason. During the reported period VOC's were not detected by the PID (Limit of detection of 0.1ppm) beyond the site boundary.

Long term passive VOC monitoring is carried out at eight compass point locations around the site boundary, in the public accessible areas, further monitoring locations are located within the centre of the waste water treatment works, on Church Road, Hauxton and Queens Close, Harston.

The results for the long term passive VOC monitoring carried out between 11/08/2011 and 08/09/2011 are reported in appendix C. The analysis undertaken for this monitoring period indicates that the majority of the VOC's detected are around the baseline, except for Tetrachloroethene, Heptadecane, Octadecane and Hexadecane (of which the last three compounds are products of the internal combustion engine and probably derive from local vehicle emissions) which is on occasion slightly raised above the baseline values but are well below the levels considered to be within acceptable limits for published criteria.

The analysis for Church Road, Hauxton and Queens Close, Harston indicates there are some site related VOC's detected at these locations, but at levels that are considered to be within acceptable limits for published criteria.

The 28 day passive VOC monitoring results have been forwarded to the Health Protection Agency for review. The HPA have under taken independent risk assessment upon the data provided and have provided a positive non technical summary which is available on South Cambridgeshire District Councils website.

3.2. Dust Fibre and Particulate Emission

Both real time dust measurement and long term dust deposition monitoring has been undertaken around the site boundary at six compass point locations, north, east, south, west with two monitoring positions in the northeast (drawing D907_30C, Appendix A).

Real time airborne dust monitoring is undertaken as a minimum twice daily by an Environmental Engineer using a 'Dustmate' dust particle monitor around the site boundary as part of the environmental monitoring schedule, results are recorded in the environmental monitoring spreadsheet (Appendix B). The 'Dustmate' dust particle monitor will not function correctly in wet weather conditions, therefore on a number of days and data is missing from the environmental monitoring spreadsheet for this reason. Dust migration is however less likely in wet weather conditions.

Dust particle measurements at each monitoring location have varied, with the higher dust readings being generally at the locations adjacent to the heavily trafficked Cambridge Road (A10). The average Total Suspended Particulates (TSP) reading around the site is 148.61µg/m^3, the average PM10 dust reading around the site is 73.87µg/m^3. Where a potential for dust has been observed, on site dust suppression methods have been deployed immediately to reduce the generation of site dust and all haul routes are continually wetted to prevent dust release.

Directional dust deposition gauges at the six monitoring locations are analysed every fortnight for Effective Area Coverage (EAC) (percentage of dust deposition relating to the potential to cause nuisance), results generated by an external laboratory are presented in Appendix D.

Baseline dust monitoring undertaken between 19/02/2010 to 19/03/2010 (4 locations monitored) recorded a maximum dust deposition rate of 0.54%EAC at the western monitoring location.

Dust monitoring undertaken from the 30/08/2011 to 13/09/2011 was unfortunately lost in transit to the laboratory, meaning this data will be lost from the record.

Dust monitoring undertaken from the 13/09/2011 to 27/09/2011(5 locations monitored only due to 1# damaged on site) is still pending laboratory analysis, and will be reported in a supplemental report.

During the reported period dust, fibre and particle emissions have been low, and have not caused visual dusting off site.

3.3. Control of Mud and Debris

A pressure washer and a fully automatic wheel wash has been on site during the reporting period to allow all maintenance, plant delivery and off site disposal vehicles leaving contaminated parts of the site to be washed down thoroughly first, as not to take potentially contaminated mud and debris through the clean zone and off site. The movement of vehicles between the contaminated and clean parts of the site is strictly controlled by the site management team.

3.4. Noise

Noise monitoring around the site boundary commenced on the 22nd March 2010 and has been undertaken twice daily as a minimum, recording findings at eight compass points around the site boundary in the public access areas (drawing D907_30C, Appendix A).

Site operations are restricted to 8am to 6pm and site noise levels are consistently at an average acceptable low background level of 68dB. Exceedance's of the 80dB threshold (stipulated in the Environmental Permit deployment document) have been recorded during the monitoring period, however traffic along the A10 has been identified as the source of the slightly elevated noise levels. Data is recorded in the environmental monitoring data spreadsheet, Appendix B.

3.5. Litter

All litter occurrences are removed from within the site, and off site around the boundary fence, and disposed of appropriately. Litter is generally low off site, and is well managed on site, by all site personnel. All recordings of the presence of litter are noted in the Environmental Monitoring Data spreadsheet in Appendix B.

4.0 Surface and Ground Water Condition

4.1. Surface Water Monitoring

As part of the environmental monitoring programme, the Riddy Brook located to the east of the site (Drawing D907_33C, Appendix A) is inspected daily as a minimum at two locations up and down stream for general observations, on any discolouration, sedimentation etc. The observations are recorded on the Environmental Monitoring Data (Appendix B). Throughout the monitoring period there have been no visual signs that the remediation works on site are having any impact on the Riddy Brook.

The water level within the Riddy Brook is monitored and recorded on a daily basis at a minimum of two locations, footbridge adjacent to Mill House (Riddy 1) and the most southerly footbridge over the Riddy Brook, adjacent to the eastern corner of the site (Riddy 4). Two further locations are also monitored, Riddy 2 at the footbridge over the Riddy Brook approximately 150m southeast of Mill House and the former fire exit bridge (Riddy 3), 210m southeast of Mill House. All the water level data is recorded in the main groundwater level data sheet in Appendix E.

During the monitoring period there have not been any significant changes in levels along the Riddy Brook.

4.2. Surface Water Sampling and Analysis

Upstream and downstream water samples from both the River Cam (Granta) and the Riddy Brook are taken on a monthly basis. The results for samples taken on the 5th September are presented in Appendix F, samples taken on the 30th September 2011 are pending laboratory analysis and will be reported in a supplemental report.

The surface water analysis of the 5th September 2011 shows trace levels Tetrachloroethylene (2 µg/l) detected in all surface water samples analysed, River Cam (Granta) up and down stream and the Riddy Brook up stream and down stream. Trace levels of Mecoprop (1.3 µg/l) were detected in both the up and down stream sample of the River Cam and the down stream sample only of the Riddy Brook.

These trace levels identified in the early September 2011 sampling round have been recorded in the baseline data collected prior to the commencement of the remediation project and are not related to a specific site incident.

4.3. Groundwater Level Monitoring

Groundwater levels are recorded within at least 10 borehole locations onsite on a twice weekly basis, to ensure the groundwater beneath the site remains in a static condition during the remediation works and does not pose a risk to surface and groundwater bodies beyond the site boundary.

During the initial excavation works on site very little groundwater has been encountered, the majority of excavations located in the northern parts of the site have exceeded a depth of 4m below current ground level and have penetrated the Gault Clay in parts.

The main source of water encountered during excavations has been discontinuous contaminated perched water present in the Made Ground. This water has been captured and treated in the Waste Water Treatment Works associated with the site.

The groundwater levels measured at locations around the site are shown in drawing D907_31G, in appendix A. The groundwater levels are presented in Appendix E.

A groundwater level graph has been constructed to illustrate the variation in groundwater level at the monitoring locations across the site for the reporting period (Appendix G).

The graph constructed (Appendix G) illustrates that there have been little changes to groundwater levels within the boreholes across the site during the monitoring period. However on the 8th of September the high bay warehouse pump was switched off and pumping of a deep groundwater (4m+ below ground level) was undertaken on the southern most boundary this change in pumping regime can be seen in the responses in boreholes BH6/06 on the southern boundary and in BHB1 in front of the high bay warehouse. On the 15th of September pumping groundwater from the in front of the high bay warehouse resumed, and the water in the aforementioned monitoring wells returned to their pre 08/09/2011 levels.

There has been limited perched groundwater flow to some parts of the marl at approximately 2m below ground level to the south of the site during the excavation in this area, these have been easily managed and have generally stopped flowing after a day or so.

4.4. Groundwater Sampling and Analysis

Groundwater samples from 11 monitoring locations on site, where possible are taken on a monthly basis. The results for samples taken on the 30th September 2011 are pending laboratory analysis and will be reported in a supplemental report.

5.0 Waste Water Treatment Plant

The Waste Water Treatment Plant (WWTP) is part of the former land holding of Bayer Cropscience and is part of that controlled by Harrow Estates. The WWTP was an integral part of the former Bayer Crop Science site, located to the west of the A10, specifically designed to treat and discharge liquid waste products derived from the production of agrochemicals (both herbicides and pesticides) and sewage from the facility.

The WWTP has been previously operated (until the 15th of March 2010) by Alpheus Environmental Ltd. to maintain the required discharge volume generated by the groundwater pumping systems on the main Bayer Cropscience site along the bentonite cut off wall and the high bay warehouse.

Vertase FLI have established a maintenance programme and control procedures to ensure the WWTP is operated within the constraints of the discharge consent. Essential system checks and improvements have been made to the plant to ensure it can treat the volume and concentrations of influent generated by the continued groundwater control and the contaminated water recovered during the remediation activities on the main site.

The composition of the water discharged to the River Cam (Granta) must not exceed the permitted levels in paragraphs 1.7.1, 1.8.1 and 1.8.2 of the discharge consent PR1NF/1744D01 Issued and regulated by the Environment Agency.

The treated effluent is sampled at the specified location as stipulated in the discharge consent. Vertase FLI also sample the influent to the WWTP, along with a sample taken after the primary carbon treatment, this is to assess the performance of main treatment process of the WWTP and highlight potential expiry of the primary carbon vessels.

The fortnightly samples are analytically tested for the water quality parameters and the chemical compounds specified in paragraph 1.7.1 of the discharge consent PR1NF/1744 D 01. The data is tabulated and presented in Appendix H along with the raw data from the laboratory reports.

Throughout the reporting period the WWTP has been successful in treating the compounds listed within paragraph 1.7.1 (consent PR1NF/1744D01) to acceptable levels for discharge to the River Cam (Granta) under the regulated discharge consent.

The Environment Agency carry out independent discharge monitoring at the WWTP on a monthly basis, during the reportable period Vertase FLI and Harrow Estates Plc have not been notified of any unacceptable effluent discharging to the River Cam (Granta) from the operating plant.

6.0 Contaminants Not Previously Identified

To fulfil the requirements of condition 4 and condition 9, Planning Condition Document ref:S/2307/06/f Issued 10/02/2010, Vertase FLI are continually undertaking soil characterisation sampling prior to remediation processes to identify the types and concentrations of contaminants present in the specific grid squares across the entire site.

The soil characterisation samples undergo a series of laboratory analyses consisting of targeted analysis, screening against known contaminants and a full GCMS scan to identify any contaminants not previously identified.

All characterisation samples analysed and found to contain previously unidentified contaminants are reported in accordance with condition 9 of the Planning Condition Document ref:S/2307/06/f Issued 10/02/2010.

From the commencement of site works (15/03/2010) to 02/10/2011, one hundred and twelve characterisation samples have been taken by Vertase FLI in partnership with Atkins to assess the contamination type and concentrations prior to remediation of the materials. Forty characterisation samples analysed contained a total of twenty five compounds / potential contaminants that had not been previously identified.

A summary table of the soil characterisation testing is presented in Appendix I, the previously unidentified compounds are listed here, with comments regarding the origin and likely usage on site.

The remediation project consultants Atkins continuously review the soil characterisation analysis and report previously unidentified contaminates in accordance with condition 9, Planning Condition Document ref:S/2307/06/f Issued 10/02/2010.

Appendix A

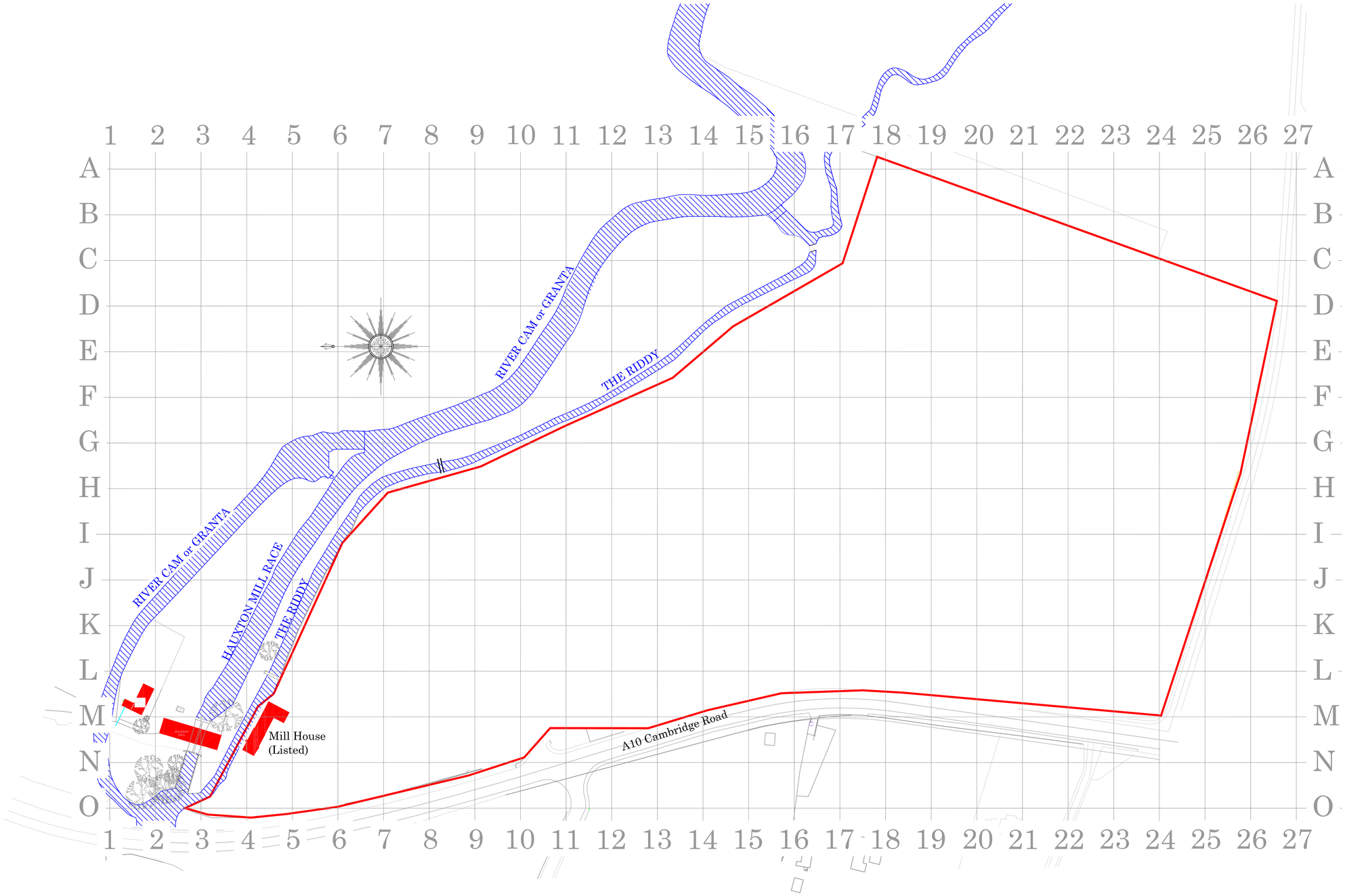
Drawings

A1

Legend

- Buildings to Remain
- Water Course
- Site Boundary

Drawing Base : Ref
LW/HAUX-002/2006



Rev.	Description	Revised By	Date
	FIRST ISSUE		21 April 2008

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Site Address:

Bayer Site
Hauxton
Cambridge

Rev:

Title: Blank Site Plan with Grid

Client: Harrow Estates

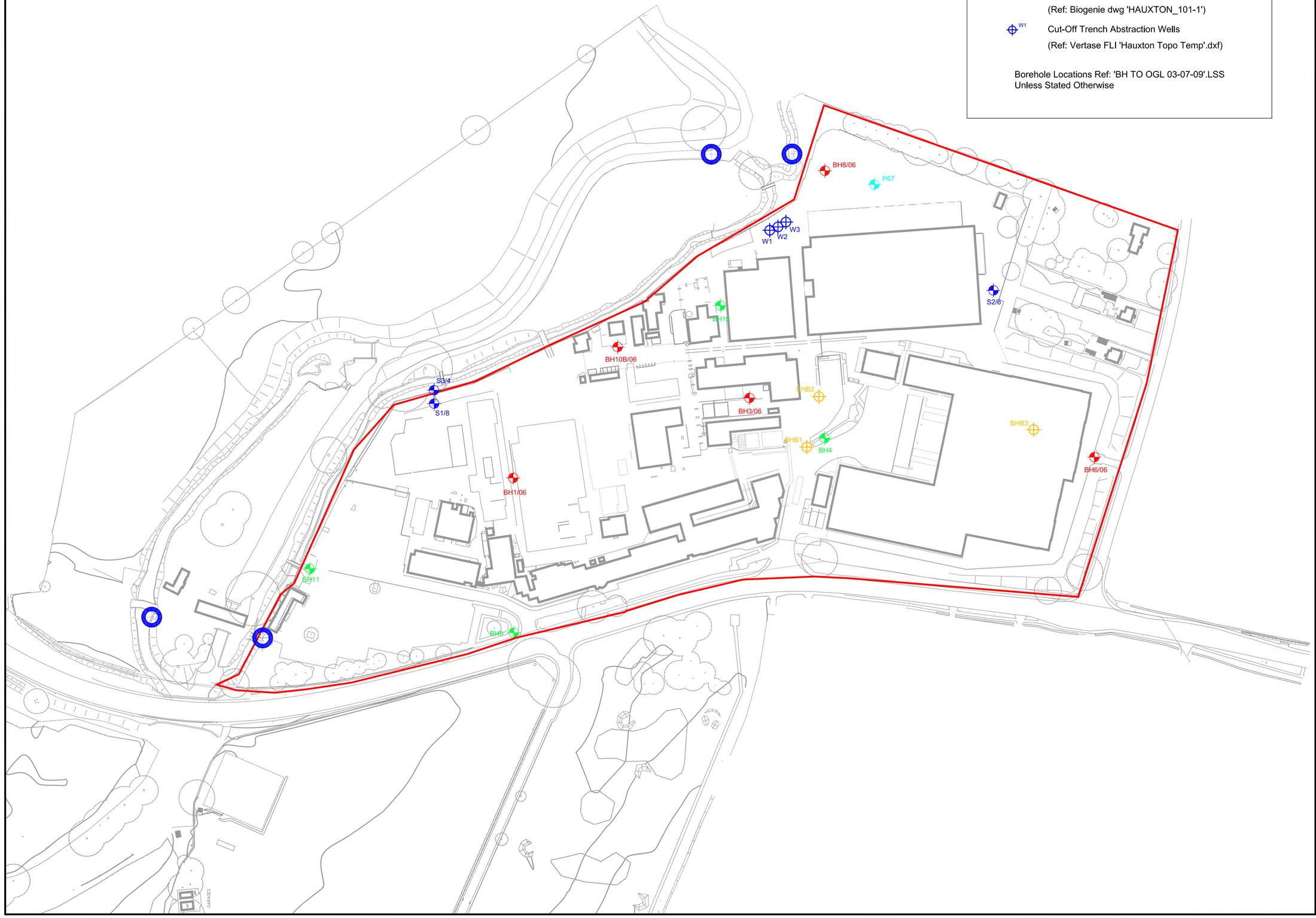
Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_07	Contract: 907BRI	Scale: 1:1000

A1

Legend

- BH1/06 — Atkins Exploratory Hole Location
- BH7 / P67 — Previous Borehole Location
- Water Sampling Location
- BHB1 — Biogenie Boreholes (Ref: Biogenie dwg 'HAUXTON_101-1')
- W1 — Cut-Off Trench Abstraction Wells (Ref: Vertase FLI 'Hauxton Topo Temp'.dxf)

Borehole Locations Ref: 'BH TO OGL 03-07-09'.LSS
Unless Stated Otherwise



Rev.	Description	Revised By	Date
E	BHB1,BHB2,BHB3, W1,W2,W3,BH3-06 & BH08-06 Added (BH3-06 & BH08-06 Ref:D907_31 Iss 0)	MRG	17-08-09
D	BH1 Removed & BH19 Added	MRG	07-07-08
C	BH1 Added	JWH	11 June 2008
B	BH5/06 Erased S2/6 Added	JWH	09 June 2008
A	Boreholes Erased	JWH	14 May 2008
	FIRST ISSUE		23 April 2008

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Site Address:
Bayer Site
Hauxton
Cambridge

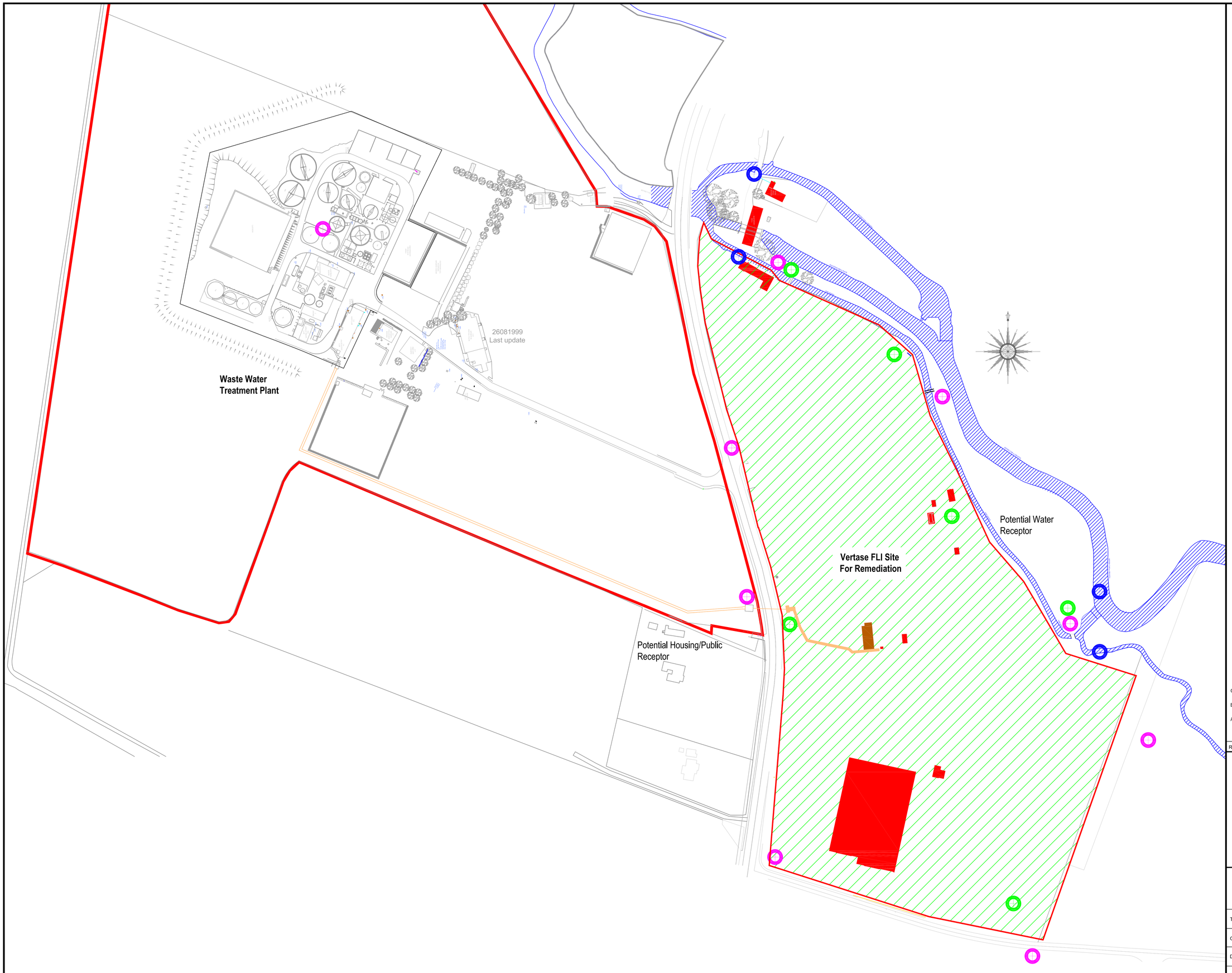
Rev: E

Title: Retained Boreholes for Monitoring & Reference

Client: Harrow Estates

Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_31	Contract: 907BRI	Scale: 1:1000

A1



Legend

- Sub-Station/Buildings to Remain
- Water Course
- Vertase FLI Site for Remediation
- Mobile Treatment Licence Boundary
- Site Effluent Sump and Ducting
- Diffusion Tubes /Monitoring Location
- Dust Monitoring Location
- Water Sampling Location

Drawing Base : Ref
LW/HAUX-002/2006

Rev.	Description	Revised By	Date
C	Dust Monitoring Locations Amended	MRG	14 July 08
B	Dust Monitoring Location Amended	JWH	09 June 08
A	Water Sampling Points Added Treatment Building Amended	JWH	15 May 2008
	FIRST ISSUE		21 April 2008

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Site Address:
Bayer Site
Hauxton
Cambridge

Rev: C

Title: Environmental Monitoring Plan

Client: Harrow Estates

Drawn: JWH	Checked: MA	Approved: MA
Dwg: D907_33	Contract: 907BRI	Scale: 1:1250

Appendix B

Environmental Monitoring Data

						ODOUR						DUST		NOISE	LITTER		RIDDY BROOK				METEOROLOGICAL AND ENVIRONMENTAL CONDITIONS						
Assessor	Date	Daily Activity	Boundary	Start Time	Finish Time	Detectability (Yes or No)	Intensity (1 to 9)	Quality (Description)	Hedonic Tone (-3 to+3)	Location Sensitivity (1 to 5)	Odour Source (1 to 5)	PID (ppm)	TSP	PM10	Average (dBa)	Present (Description)	Materials attracting scavengers	Inspection	Water Level (mAOD)	Complaints	Action Required	Wind Speed (1 to 9)	Wind Direction	Air Temp (C)	Description (Rain, Sun)	Cloud Cover (0 to 8)	Ground Conditions (Wet, dry)	General Notes
Stephenson	30/8/2011	excavating in grids/bed turning	N	9.40	9.45					2		0				no	no	clear	19	0	0	4.7	WNW	15.4	cloudy	8		no odour at church
Stephenson	30/8/2011	excavating in grids/bed turning	NE	9.35	9.40					2		0				no	no	clear		0	0							
Stephenson	30/8/2011	excavating in grids/bed turning	NE1	9.30	9.35													clear										
Stephenson	30/8/2011	excavating in grids/bed turning	E	9.25	9.30	y	3	vehicle fumes	1	2	3	0				no	no	clear	27	0	0							
Stephenson	30/8/2011	excavating in grids/bed turning	SE	9.20	9.25	y	5	car fumes/wet concrete	1	3	3	0				no	no			0	0							
Stephenson	30/8/2011	excavating in grids/bed turning	S	9.15	9.20					3		0				no	no			0	0							
Stephenson	30/8/2011	excavating in grids/bed turning	SW	9.10	9.15	y	4	car fumes	0	4	1	0				no	no			0	0							
Stephenson	30/8/2011	excavating in grids/bed turning	W	9.05	9.10					4		0				no	no			0	0							
Stephenson	30/8/2011	excavating in grids/bed turning	NW	9.00	9.05					2		0				no	no			0	0							
D Scott	30/8/2011	excavating in grids/bed turning	N	17.25	17.30					2		0	21	9.3	66	no	no	clear	0.18	0	0	2	wsw	17	cloudy	8	damp	no odour at church
D Scott	30/8/2011	excavating in grids/bed turning	NE	17.32	17.37					2		0	85.3	8	68.5	no	no	clear		0	0							
D Scott	30/8/2011	excavating in grids/bed turning	NE1	17.38	17.43								50.9	60.7	63	no	no	clear		0	0							
D Scott	30/8/2011	excavating in grids/bed turning	E	17.44	17.49	y	1	odour control	0	2	2	0	92.9	23.3	63	no	no	clear	0.26	0	0							
D Scott	30/8/2011	excavating in grids/bed turning	SE	17.51	17.56	y	3	odour control	0	3	3	0			70	no	no			0	0							
D Scott	30/8/2011	excavating in grids/bed turning	S	17.57	18.02					3		0	47.6	16.9	61	no	no			0	0							
D Scott	30/8/2011	excavating in grids/bed turning	SW	18.03	18.08	y	3	odour control	0	4	3	0			61	no	no			0	0							
D Scott	30/8/2011	excavating in grids/bed turning	W	18.10	18.15					4		0	47.6	46.1	76	no	no			0	0							
D Scott	30/8/2011	excavating in grids/bed turning	NW	18.17	18.22					2		0			76	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	N	8.30	8.35					2		0	140.9	90.3	64	no	no	clear	0.18	0	0	0	WNW	15.7	dry, cloudy	8	dry	no odours on approach to church, signs of possible digging/sampling been undertaken at locations frequentl along roadside and at locations around site perimeter, possibly animals,
D Scott	31/8/2011	excavating in grids/bed turning	NE	8.36	8.41					2		0	88.8	48.2	67	no	no	clear		0	0							
D Scott	31/8/2011	excavating in grids/bed turning	NE1	8.42	8.47								140	77.3	63	no	no	clear		0	0							
D Scott	31/8/2011	excavating in grids/bed turning	E	8.48	8.53					2		0	84.9	46.2	63	no	no	clear	0.26	0	0							
D Scott	31/8/2011	excavating in grids/bed turning	SE	8.55	9.00					3		0			62	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	S	9.02	9.07	y	3	odour control and dusty odour	-1	3	3	0	245	42.9	63	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	SW	9.09	9.14	y	2	traffic	-1	4	1	0			75	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	W	9.16	9.21	y	2	traffic	-1	4	1	0	76.5	76.1	74	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	NW	9.22	9.27					2		0			76	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	N	17.30	17.35					2		0	17.3	21	63	no	no	clear	0.16	0	0	0	ENE	20.8	dry, cloudy	8	dry	no odour at church
D Scott	31/8/2011	excavating in grids/bed turning	NE	17.36	17.41					2		0	62.9	16.1	72	no	no	clear		0	0							
D Scott	31/8/2011	excavating in grids/bed turning	NE1	17.43	17.48								9.7	5.3				clear										
D Scott	31/8/2011	excavating in grids/bed turning	E	17.49	17.54					2		0	25	22	60	no	no	clear	0.24	0	0							
D Scott	31/8/2011	excavating in grids/bed turning	SE	17.55	18.00	y	2	dusty odour	0	3	3	0			70	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	S	18.02	18.07					3		0	7.6	52	65	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	SW	18.08	18.13	y	2	odour control	-1	4	3	0			68	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	W	18.15	18.20	y	1	traffic	-1	4	1	0	30.5	76.7	73	no	no			0	0							
D Scott	31/8/2011	excavating in grids/bed turning	NW	18.21	18.26	y	1	traffic	-1	4	1	0			73	no	no			0	0							
D Scott	1/9/2011	excavating in grids/bed turning	N	7.45	7.50	y	1	vegetation	0	2	3	0	58.3	7.1	60	no	no	clear	0.16	0	0	0	SSE	19	sunny	0	dry	no odour at church
D Scott	1/9/2011	excavating in grids/bed turning	NE	7.51	7.56					2		0	34.3	17.4	63	no	no	clear		0	0							
D Scott	1/9/2011	excavating in grids/bed turning	NE1	7.58	8.03								11.8	5.4				clear										
D Scott	1/9/2011	excavating in grids/bed turning	E	8.04	8.09					2		0	36.9	42.3	60	no	no	clear	0.25	0	0							
D Scott	1/9/2011	excavating in grids/bed turning	SE	8.11	8.16					3		0			74	no	no			0	0							
D Scott	1/9/2011	excavating in grids/bed turning	S	8.18	8.23					3		0	18.8	31.8	63	no	no			0	0							
D Scott	1/9/2011	excavating in grids/bed turning	SW	8.25	8.30	y	1	slight traffic fume odour	-1	4	1	0			65	no	no			0	0							
D Scott	1/9/2011	excavating in grids/bed turning	W	8.31	8.36					4		0	37.8	15.2	70	some	no			0	0							
D Scott	1/9/2011	excavating in grids/bed turning	NW	8.37	8.42					2		0			73	some	no			0	0							
D Scott	2/9/2011	excavating in grids/bed turning	N	14.30	14.35					2						no	no	clear	0.16	0	0	0	wsw	27.4	sunny, dry	0	dry	
D Scott	2/9/2011	excavating in grids/bed turning	NE	14.36	14.41					2						no	no	clear		0	0							
D Scott	2/9/2011	excavating in grids/bed turning	NE1	14.42	14.47													clear										
D Scott	2/9/2011	excavating in grids/bed turning	E	14.48	14.54					2						no	no	clear	0.74	0	0							
D Scott	2/9/2011	excavating in grids/bed turning	SE	14.56	15.01					3						no	no			0	0							
D Scott	2/9/2011	excavating in grids/bed turning	S	15.03	15.08					3						no	no			0	0							
D Scott	2/9/2011	excavating in grids/bed turning	SW	15.10	15.15					4						no	no			0	0							
D Scott	2/9/2011	excavating in grids/bed turning	W	15.17	15.22	y	1	traffic	0	4	1	0				some	no			0	0							
D Scott	2/9/2011	excavating in grids/bed turning	NW	15.24	15.29	y	1	traffic	0	2	3					some	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning	N	8.50	8.55					2		0	190	92.7	70	no	no	clear	0.18	0	0	0	sw	18.2	dry, sunny	0	damp	no odour at church
D Scott	5/9/2011	excavating in grids/bed turning	NE	8.56	9.04					2		0	>50	89.4	65	no	no	clear		0	0							
D Scott	5/9/2011	excavating in grids/bed turning	NE1	9.05	9.10								241	142				clear										
D Scott	5/9/2011	excavating in grids/bed turning	E	9.12	9.17	y	1	slight dusty odour	0	2	2	0	79.1	125.3	66	no	no	clear	0.28	0	0							
D Scott	5/9/2011	excavating in grids/bed turning	SE	9.19	9.24					3		0			62	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning	S	9.26	9.31					3		0	157	130	75	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning	SW	9.32	9.37	y	1	traffic	0	4	1	0			74	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning	W	9.39	9.44	y	2	odour control	0	4	1	0	187	172	70	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning	NW	9.45	9.50	y	1	traffic	0	2	1	0			70	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	N	17.30	17.35					2		0	33.8	19.1	70	no	no	clear	0.18	0	0	7.1	sw	23.1	dry, cloudy	7	dry to damp	no odour at church
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	NE	17.36	17.41					2		0	59.3	70.8	68	no	no	clear		0	0							
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	NE1	17.43	17.48								105.5	58.7				clear										
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	E	17.49	17.54	y	2	odour control and possibly dusty odour	-2	2	4	0	53.3	79.8	68	no	no	clear	0.27	0	0							
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	SE	17.55	18.00					3		0			64	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	S	18.02	18.07					3		0	21.2	50.2	66	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	SW	18.08	18.13	y	1	traffic	0	4	1	0			60	no	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	W	18.15	18.20	y	1	traffic	0	4	1	0	23.4	52.9	72	yes	no			0	0							
D Scott	5/9/2011	excavating in grids/bed turning/backfilling	NW	18.21	18.26					2		0			76	yes	no			0	0							
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	N	8.30	8.35					2		0	79.3	60.2	75	no	no	clear	0.18	0	0	5.5	SW	20.3	rain wet	8	wet	no odour at church
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	NE	8.36	8.41					2		0	95.4	148.2	68	no	no	clear		0	0							
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	NE1	8.42	8.47								133.7	61.9				clear										
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	E	8.48	8.53					2		0	37.3	108	69	no	no	clear	0.28	0	0							
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	SE	8.55	9.00					3		0			62	no	no			0	0							
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	S	9.02	9.07					3		0	33.3	70.9	75	no	no			0	0							
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	SW	9.09	9.14					4		0			70	no	no			0	0							
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	W	9.16	9.21					4		0	57	111.5	60	yes	no			0	0							
D Scott	6/9/2011	excavating in grids/no earthmoving due to rain	NW	9.22	9.27					2		0			60	yes	no			0	0							
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	N	17.55	18.00					2		0	180	19	68.2	no	no	clear	19	0	0	8	wes	17.9	bright dry	8	dry	no odour at church
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	NE	17.55	17.55					2		0	103	98	57.7	no	no	clear		0	0							
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	NE1	17.45	17.50								99	152				clear										
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	E	17.40	17.45					2		0	63		57.7	no	no	clear	27	0	0							
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	SE	17.35	17.40					3		0			53.2	no	no			0	0							
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	S	17.30	17.35					3		0	24	29	71.8	no	no			0	0							
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	SW	17.25	17.30					4		0			62.3	no	no			0	0							
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	W	17.20	17.25					4		0	127	51	79.6	no	no			0	0							
Stephenson	7/9/2011	excavating in grids/bed turning/restoring	NW	18.00	18.05					2		0			71.4	no	no			0	0							
Stephenson	8/9/2011	bed turning/restoration	N	17.00	17.05					2		0				no	no	clear	18	0	0	6.4	sw	22.7	dry	6	damp	no odour at church, dustmate being services
Stephenson	8/9/2011	bed turning/restoration	NE	16.55	17.00	y	4	cowslip	-2	2	1	0				no	no	clear		0	0							
Stephenson	8/9/2011	bed turning/restoration	NE1	16.50	16.55													clear										
Stephenson	8/9/2011	bed turning/restoration	E	16.45	16.50	y	3	solvents/hydrocarbons		2		0				no	no	clear	16	0	0							
Stephenson	8/9/2011	bed turning/restoration	SE	16.40	16.45					3		0				no	no			0	0							
Stephenson	8/9/2011	bed turning/restoration	S	16.35	16.40	y	3	slight vegetation	0	3	3	0				no	no			0	0							
Stephenson	8/9/2011	bed turning/restoration	SW	16.30	16.35					4		0				no	no			0	0							
Stephenson	8/9/2011	bed turning/restoration	W	16.25	16.30					4		0				no	no			0	0							
Stephenson	8/9/2011	bed turning/restoration	NW	16.20	16.25					2		0				no	no			0	0							
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	N	8.00	8.05					2		0			55	no	no	clear	18	0	0	0	wsw	17.6	dry cloudy	8	damp	no odour at church
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	NE	8.06	8.11					2		0			77	no	no	clear		0	0							
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	NE1	8.13	8.18													clear										
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	E	8.19	8.24	y	2	dusty odour	-1	2	3	0			68	no	no	clear	26	0	0							
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	SE	8.26	8.31	y	2	dusty odour	-1	3	3	0			71	no	no			0	0							
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	S	8.33	8.38					3		0			70	no	no			0	0							
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	SW	8.39	8.44					4		0			70	no	no			0	0							
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	W	8.45	8.50					4		0			60	no	no			0	0							
D Scott	9/9/2011	excavating in grids/bed turning/backfilling	NW	8.51	8.56					2		0			79	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	N	8.30	8.35					2		0			67	no	no	clear	18	0	0	8.7	S	20.6	cloudy/dry	5	dry to damp	dust monitor is being serviced and is not available. No odour at churc
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	NE	8.35	8.40					2		0			57	no	no	clear		0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	NE1	8.40	8.45													clear										
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	E	8.46	8.50					2		0			61	no	no	clear	26	0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	SE	8.51	8.56					3		0			64	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	S	8.55	9.00					3		0			69	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	SW	9.00	9.05					4		0			79	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	W	9.05	9.10					4		0			80	some	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	NW	9.10	9.15					2		0			69	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	N	17.30	17.35					2		0			70	no	no	clear	18	0	0	11.8	wsw	24	sunny dry	1	dry	dustmate being serviced, no odour at church
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	NE	17.35	17.40					2		0			64	no	no	clear		0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	NE1	17.40	17.45													clear										
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	E	17.45	17.50	y	1	dust odour	-1	2	3	0			60	no	no	clear	26	0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	SE	17.50	17.55					3		0			72	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	S	17.55	18.00					3		0			60	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	SW	18.00	18.05					4		0			76	no	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	W	18.05	18.10					4		0			74	some	no			0	0							
D Scott	12/9/2011	excavating in grids/bed turning/concrete crushing	NW	18.10	18.15					2		0			78	some	no			0	0							
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	N	8.00	8.05					2		0			64	no	no	clear	18	0	0	11.1	WSW	16.5	sunny dry	1	dry	dustmate being serviced
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	NE	8.05	8.10					2		0			65	no	no	clear		0	0							
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	NE1	8.10	8.15													clear										
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	E	8.15	8.20	y	2	dusty odour and odour control	-1	2	3	0			63	no	no	clear	26	0	0							
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	SE	8.20	8.25	y	2	dusty odour	-1	3	3	0			58	no	no			0	0							
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	S	8.25	8.30					3		0			60	no	no			0	0							
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	SW	8.30	8.35					4		0			78	no	no			0	0							
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	W	8.35	8.40	y	1	traffic	-1	4	1	0			78	some	no			0	0							
D Scott	13/9/2011	excavating in grids/bed turning/concrete crushing	NW	8.40	8.45	y	1	traffic	-1	2	1	0			76	some	no			0	0							
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	N	9.00	9.05					2		0			52	no	no	clear	0.18	0	0	6.4	WSW	17.7	sunny	0	dry	no odour at church
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	NE	9.05	9.10					2		0			67	no	no	clear		0	0							
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	NE1	9.10	9.15													clear										
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	E	9.15	9.20	y	2	dusty odour	-1	2	3	0			67	no	no	clear		0	0							
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	SE	9.20	9.25					3		0			60	no	no			0	0							
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	S	9.25	9.30					3		0			66	no	no			0	0							
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	SW	9.30	9.35					4		0			60	no	no			0	0							
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	W	9.35	9.40					4		0			80	no	no			0	0							
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing	NW	9.40	9.45	y	2	traffic	-1	2	0	0			73	no	no			0	0	5.3	WSW	21.3	sunny cloudy	2	dry	no dustmate due to being serviced, no odour at churcl

D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	N	17.30	17.35										60	no	no	clear	18												
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	NE	17.35	17.40										60	no	no	clear													
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	NE1	17.40	17.45													clear													
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	E	17.45	17.50	y	2	dusty odour	-1	2	3	0			55.6	no	no	clear	28												
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	SE	17.50	17.55	y	2	dusty odour	-1	3	3	0			55	no	no														
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	S	17.55	18.00					3		0			66	no	no														
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	SW	18.00	18.05	y	1	traffic	-1	4	5	0			80	no	no														
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	W	18.05	18.10					4		0			70	some	no														
D Scott	14/9/2011	excavating in grids/bed turning/concrete crushing/breaking out/backfilling	NW	18.10	18.15					2		0			74	some	no														
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	N	17.30	17.35	y	1	dust	-1	2	3	0			60	no	no	clear	18						2.2	SE	22.4	sunny dry	7	dry	no dustmate, no odour at church
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE	17.35	17.40					2		0			65	no	no	clear													
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE1	17.40	17.45													clear													
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	E	17.45	17.50					2		0			65	no	no	clear	28												
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SE	17.50	17.55					2		0			65	no	no														
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	S	17.55	18.00					3		0			66	no	no														
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SW	18.00	18.05					4		0			75	no	no														
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	W	18.05	18.10	y		odour control	0	4	3	0			80	no	no														
D Scott	15/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NW	18.10	18.15					2		0			70	no	no														
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	N	9.00	9.05					2		0			55	no	no	clear	19						6.9	SE	17.3	dry	7	dry	no dustmate, no odour at church
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	NE	9.05	9.10					2		0			61	no	no	clear													
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	NE1	9.10	9.15													clear													
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	E	9.15	9.20					2		0			62	no	no	clear	29												
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	SE	9.20	9.25					3		0			67	no	no														
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	S	9.25	9.30					3		0			67	no	no														
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	SW	9.30	9.35					4		0			73	no	no														
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	W	9.35	9.40	y	2	odour control	0	4	5	0			65	some	no														
D Scott	16/9/2011	excavating in grids/bed turning/breaking out/backfilling	NW	9.40	9.45					2		0			69	some	no														
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	N	8.30	8.35					2		0			54	no	no	clear	20						4.2	W	17.6	sunny dry	0	dry	
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE	8.35	8.40					2		0			60	no	no	clear													
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE1	8.40	8.45													clear													
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	E	8.45	8.50	y	3	odour control	0	2	5	0			66	no	no	clear	29												
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SE	8.50	8.55					3		0			55	no	no														
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	S	8.55	9.00					3		0			66	no	no														
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SW	9.00	9.05	y	1	traffic	-1	4	5	0			73	no	no														
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	W	9.05	9.10					4		0			73	some	no														
D Scott	19/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NW	9.10	9.15					2		0			75	some	no														
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	N	17.10	17.15	y	3	slight hydrocarbon	0	2	3	0				no	no	clear	17						6.7	WSW	19.9	sunny	3	dry	dustmate in service, no odour at church, noisy - breaking
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	NE	17.05	17.10					2		0																			
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	NE1	17.00	17.05													clear													
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	E	16.55	17.00					2		0				no	no	clear	28.5												
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	SE	16.50	16.55					3		0			no	no	no	clear													
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	S	16.45	16.50					3		0			no	no	no														
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	SW	16.40	16.45					4		0				no	no														
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	W	16.35	16.40	y	3	trees/veg	-1	4	5	0				no	no														
Stephenson	19/9/2011	excavating in grids D16, D15, D14, E16, E15, E14/bed turning/concrete crushing	NW	16.30	16.35					2		0				no	no														
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	N	8.45	8.50					2		0			65	no	no	clear	20						5.3	SSW	17.9	cloudy dry	7	dry	dustmate being serviced, no odour at church
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	NE	8.50	8.55					2		0			69	no	no	clear													
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	NE1	8.55	9.00													clear													
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	E	9.00	9.05	y	2	dust odour	-2	2	4	0			67	no	no	clear	29												
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	SE	9.05	9.10					3		0			68	no	no														
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	S	9.10	9.15					3		0			75	no	no														
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	SW	9.15	9.20					4		0			72	no	no														
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	W	9.20	9.25	y	2	odour control	0	4	4	0			73	some	no														
D Scott	20/9/2011	excavating in grids/bed turning/backfilling/excavating	NW	9.25	9.30					2		0			66	some	no														
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	N	17.37	17.42	y	1	vegetation and concrete	0	2	3	0			60.3	no	no	clear	1.95						5.8	SE	20	cloudy dry	6	dry	
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	NE	17.31	17.36										60.6	no	no	clear													
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	NE1	17.24	17.29													clear													
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	E	17.18	17.23					2		0			72.3	no	no	clear	2.95												
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	SE	17.11	17.16					3		0			82.1	no	no														
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	S	17.04	17.09	y	1	hedgerows vegetation	1	3	5	0			71.5	no	no														
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	SW	16.57	17.02	y	3	traffic fumes	-1	4	5	0			80.3	no	no														
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	W	16.51	16.56	y	2	traffic fumes	-1	4	5	0			76	no	no														
M Allsobrook	20/9/2011	excavating in grids F13/bed turning/concrete breaking out	NW	16.45	16.50	y	3	traffic fumes	-2	2	5	0			78.6	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	N	9.15	9.20					2		0			55	no	no	clear	18						0	S	14.1	cloudy	8	damp	
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	NE	9.20	9.25					2		0			60	no	no	clear													
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	NE1	9.25	9.30													clear													
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	E	9.30	9.35	y	2	dusty odour	-1	2	4	0			65	no	no	clear	29												
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	SE	9.35	9.40					3		0			64	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	S	9.40	9.45					3		0			60	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	SW	9.45	9.50					4		0			71	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	W	9.50	9.55					4		0			73	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling	NW	9.55	10.00					2		0			73	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	N	17.20	17.25					2		0			55	no	no	clear	18						12.3	W	16.2	sunny dry	3	dry	no odour at church
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	NE	17.25	17.30					2		0			60	no	no	clear													
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	NE1	17.30	17.35													clear													
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	E	17.35	17.40					2		0			63	no	no	clear	29												
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	SE	17.40	17.45	y	2	dust	-1	3	5	0			64	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	S	17.45	17.50					3		0			70	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	SW	17.50	17.55	y	3	traffic	-1	4	5	0			80	no	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	W	17.55	18.00	y	3	traffic	-1	4	5	0			72	some	no														
D Scott	21/9/2011	excavating in grids/bed turning/backfilling/breaking out	NW	18.00	18.05	y	3	traffic	-1	2	5	0			80	some	no														
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	N	7.30	7.35					2																					
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	NE	7.35	7.40																										
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	NE1	7.40	7.45																										
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	E	7.45	7.50					2																					
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	SE	7.50	7.55					3																					
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	S	7.55	8.00					3																					
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	SW	8.00	8.05					4																					
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	W	8.05	8.10					4																					
D Scott	22/9/2011	excavating in grids/bed turning/backfilling/concrete removal and sand removal from sc	NW	8.10	8.15					2																					
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	N	17.55	18.00					2		0	145.3	43.6	64.2	no	no	clear	19.5						6.1	W	17.1	cloudy	7	dry	no odour at church
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	NE	17.50	17.55					2		0	56.7	62.4	63.8	no	no	clear													
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	NE1	17.45	17.50								27.9	41.1				clear													
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	E	17.40	17.45					2		0	79.3	57.9	73.2	no	no	clear	29												
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	SE	17.35	17.40					3		0			64.1	no	no														
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	S	17.30	17.35					3		0	48.9	58.6	71.2	no	no														
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	SW	17.25	17.30	y	3	car fumes	-1	4	5	0			61.3	no	no														
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	W	17.20	17.25	y	3	car fumes	-1	4	5	0	170.8	64.5	78	no	no														
Stephenson	22/9/2011	excavating in grids C,E,D 16,15,19/bed turning/concrete crushing	NW	17.15	17.20					2		0			74.3	no	no														
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	N	9.35	9.40					2		0	0	0.2	60	no	no	clear	19						0	S	11.6	sunny dry	0	dry	no odour at church
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	NE	9.40	9.45					2		0	0.2	0.1	63	no	no	clear													
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	NE1	9.45	9.50								0.1	0.2				clear													
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	E	9.50	9.55					2		0	0.3	0.1	64	no	no	clear	29												
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	SE	9.55	10.00					3		0			63	no	no														
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	S	10.00	10.05					3		0	0.1	0	68	no	no														
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	SW	10.05	10.10					4		0			69	no	no														
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	W	10.10	10.15					4		0	0	0	75	some	no														
D Scott	23/9/2011	excavating in grids/bed turning/breaking out/excavating	NW	10.15	10.20					2		0	0	0	76	some	no														
D Scott	26/9/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 N		10.00	10.05					2		0	15.8	23.2	59	no	no	clear	19						8.5	WSW	18.1	cloudy	8	damp	no odours at church
D Scott	26/9/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 NE		10.05	10.10					2		0	60.1	18.4	60	no	no	clear													
D Scott	26/9/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 NE1		10.10	10.15								21.7	50.9				clear													
D Scott	26/9/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 E		10.15	10.20	y	2	dusty odour	0	2	2	0	350	58.7	63	no	no	clear	29												
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 SE		10.20	10.25		1	dusty odour	0	3	2	0			65	no	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 S		10.25	10.30					3		0	21.2	18.9	60	no	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 SW		10.30	10.35					4		0			75	no	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 W		10.35	10.40					4		0	21.4	0.2	68	some	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavation at south site and zone 1 NW		10.40	10.45					2		0			73	some	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc N		17.00	17.05					2		0	12.9	6.7	64	no	no	clear	19						1.7	NNW	20.4	dry cloudy	6	dry	no odours at church
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc NE		17.05	17.10					2		0	18.7	85.4	65	no	no	clear													
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc NE1		17.10	17.15								9.9	15.3				clear													
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc E		17.15	17.20	y	1	vegetation	1	2	1	0	39.5	21.3	66	no	no	clear	29												
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc SE		17.20	17.25	y	1	dust	-1	3	3	0			60.1	no	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc S		17.25	17.30	y	8	dust	3	3	5	0	76.6	39.4	80.2	no	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc SW		17.30	17.35					4		0			70	no	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc W		17.35	17.40					4		0	22.4	29.5	77	some	no														
D Scott	26/0/2011	excavating in grids/bed turning/concrete crushing/excavating car park/excavating in sc NW		17.40	17.45					2		0			77	some	no														
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	N	10.30	10.35					2		0	856.2	340	62.1	no	no	clear	19						0	SSW	13.4	cloudy	8	dry	no odours at church
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	NE	10.25	10.30	y	5	river weed	-3	2	3	0	788.2	293.1	86.8	no	no	clear													
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	NE1	10.20	10.25								325.1	200.1				clear													
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	E	10.15	10.20					2		0	675.8	159	72.1	no	no	clear	28.5												
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	SE	10.10	10.15					3		0			71.3	no	no														
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	S	10.05	10.10					3		0	456	199	64.5	no	no														
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	SW	10.00	10.05					4		0			68.7	no	no														
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	W	9.55	10.00					4		0	420	216	76.9	no	no														
Stephenson	27/9/2011	excavating in grids/bed turning/concrete crushing	NW	9.50	9.55	y	3	wet veg & asphalt	-1	2	5	0			74.2	no	no														
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	N	17.30	17.35	y	1	dust	-1	2	5	0	325	42.8	62	no	no	clear	19						7.1	SSE	21.3	sunny dry	1	dry	no odours at church
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	NE	17.25	17.40					2		0	94.2	45.4	64	no	no	clear													
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	NE1	17.40	17.45								15	35.7				clear													
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	E	17.45	17.50					2		0	10.8	17	68	no	no	clear	29												
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	SE	17.50	17.55					3		0			65	no	no														
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	S	17.55	18.00					3		0	138.1	61.1	62	no	no														
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	SW	18.00	18.05					4		0			70	no	no														
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	W	18.05	18.10	y	2	odour control	0	4	4	0	53	32.3	75	some	no														
D Scott	27/9/2011	excavating in grids/bed turning/concrete crushing/excavation	NW	18.10	18.15					2		0			70	some	no														
D Scott	28/0/2011	excavating in grids/bed turning/concrete crushing	N	8.30	8.35					2		0			61.1	no	no	clear	18						5.8	SE	14.3	sunny dry	1	dry	no odours at church
D Scott	28/0/2011	excavating in grids/bed turning/concrete crushing	NE	8.35	8.40	y	1	vegetation	0	2	5	0			60.6	no	no	clear													
D Scott	28/0/2011	excavating in grids/bed turning/concrete crushing	NE1	8.40	8.45													clear													
D Scott	28/0/2011	excavating in grids/bed turning/concrete crushing	E	8.45	8.50	y	1	vegetation	0	2	5	0			65	no	no	clear	28												
D Scott	28/0/2011	excavating in grids/bed turning/concrete crushing	SE	8.50	8.55					3		0			60	no	no														

D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing	S	8.55	9.00	S						3		0			85	no	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing	SW	9.00	9.05	y	1	vegetation	0	4	5	0			73	no	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing	W	9.05	9.10	y	3	dust	2	4	4	0			74	no	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing	NW	9.10	9.15	y	2	dust	2	2	4	0			74	no	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	N	17.30	17.35	n				2		0	28.6	38.8	80	no	no	clear	18	A	A										no odour at church
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	NE	17.35	17.40	n				2		0	79.1	64.3	67	no	no	clear		A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	NE1	17.40	17.45	n						0						clear		A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	E	17.45	17.50	n				2		0	66.8	68.1	64	no	no	clear	28	A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	SE	17.50	17.55	n				3		0			60	no	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	S	17.55	18.00	n				3		0	74.8	55	65	no	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	SW	18.00	18.05	y	1	manure	1	4	5	0			68	no	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	W	18.05	18.10	y	2	dust	1	4	3	0	96.5	82.8	76	some	no			A	A										
D Scott	28/9/2011	excavating in grids/bed turning/concrete crushing/tarmac removal/excavation	NW	18.10	18.15	n				2		0			77	some	no			A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	N	17.00	17.05	y	1	dog foul bin	3	2	5	0	369	65.5	62	no	no	clear	19	A	A						27	sunny dry	0	dry	no odour at church
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE	17.05	17.10	y	1	vegetation	0	2	5	0	81.3	6.4	58	no	no	clear		A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE1	17.10	17.15	n						0	227	30.2				clear		A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	E	17.15	17.20	n				2		0	325.4	8.7	65	no	no	clear	26	A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SE	17.20	17.25	n				3		0			66	no	no			A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	S	17.25	17.30	n				3		0	64.3	42.7	71	no	no			A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SW	17.30	17.35	n				4		0			70	no	no			A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	W	17.35	17.40	y	1	dust	2	4	4	0	714	291	60	some	no			A	A										
D Scott	29/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NW	17.40	17.45	y	1	dust	2	2	4	0			76	some	no			A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	N	8.30	8.35	n				2		0	249	190	68	no	no	clear	19	A	A							sunny	0	dry	no odour at church
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE	8.35	8.40	n				2		0	234	194	62.8	no	no	clear		A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NE1	8.40	8.45								204	194.8				clear		A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	E	8.45	8.50	n				2		0	174	272	65	no	no	clear	28	A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SE	8.50	8.55	y	2	dust	1	3	5	0			65	no	no			A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	S	8.55	9.00	n				3		0	182.5	137.5	59	no	no			A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	SW	9.00	9.05	n				4		0			70	no	no			A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	W	9.05	9.10	y	4	dust	3	4	5	0	2233	417	70	some	no			A	A										
D Scott	30/9/2011	excavating in grids/bed turning/concrete crushing/backfilling	NW	9.10	9.15	n				2		0			79	some	no			A	A										

Appendix C

Long term Passive VOC Monitoring

gradko environmental
(A division of Gradko International Ltd.)

St. Martins House, 77 Wales Street Winchester, Hampshire SO23 0RH
tel.: 01962 860331 fax: 01962 841339 e-mail:diffusion@gradko.co.uk

UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

REPORT NUMBER	**GCMS 4917**
CUSTOMER	**Vertase FLI Ltd**
GRADKO LAB REFERENCE	**GMSF 1444-1454**
DATE SAMPLES RECEIVED	**14.09.11**
DESPATCH REF.NUMBER	**SOR006001**
JOB NUMBER	**907BRI/5302**
BOOKING IN REF.	**E 4773**

SEMI-QUANTITATIVE ANALYSIS FOR TOP 10 VOC'S ON TENAX DIFFUSION TUBES BY GC/MS

Analysis has been carried out in accordance with in-house method GLM 13

Tube Number	**GRA 09148**
Exposure Time(mins)	**40320**
Sample ID	**Queens Close**

Top 10 VOC'S Compounds	**ng on tube**	**ppb in air***
Heptadecane	38.65	0.48
Pentadecane	22.40	0.28
Toluene	19.13	0.24
Hexadecane	16.84	0.21
p-Xylene	14.40	0.18
Tridecane	12.62	0.16
Tetradecane	12.52	0.16
Dodecane	10.07	0.12
Benzene	9.80	0.12
Phenol	9.71	0.12

Tube Number	**GRA 09086**
Exposure Time(mins)	**40320**
Sample ID	**Church Road**

Top 10 VOC'S	**ng on tube**	**ppb in air***
Naphthalene	559.17	6.93
Phenanthrene	75.90	0.94
Naphthalene, 2-methyl-	49.19	0.61
Heptadecane	46.18	0.57
Acenaphthene	40.41	0.50

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REPORT OFFICIALLY CHECKED

Gradko International Ltd
This signature confirms the authenticity of these results
Signed.....
L. Gates, Laboratory Supervisor

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tel.: 01962 860331 fax: 01962 841339 e-mail:diffusion@gradko.co.uk

UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

Octadecane	31.79	0.39
Naphthalene, 1-methyl-	25.57	0.32
Fluorene	24.99	0.31
Toluene	21.73	0.27
Hexadecane	17.96	0.22

Tube Number	**GRA 09025**
Exposure Time(mins)	**40320**
Sample ID	**N**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	79.42	0.98
Benzene, 1,2,3-trichloro-4-methyl-	32.31	0.40
Naphthalene	29.54	0.37
Toluene	22.59	0.28
Phenol	20.26	0.25
Trichloroethylene	18.27	0.23
Benzene, 1,2,4-trichloro-3-methyl-	15.18	0.19
Pentadecane	14.64	0.18
Tridecane	14.58	0.18
Dodecane	13.69	0.17

Tube Number	**GRA 09142**
Exposure Time(mins)	**40320**
Sample ID	**NE**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	289.58	3.59
Toluene	93.91	1.16
Trichloroethylene	53.68	0.67
Benzene, 1,2,3-trichloro-4-methyl-	52.76	0.65
Naphthalene	24.55	0.30
Benzene, 1,2,4-trichloro-3-methyl-	20.54	0.25
m/p-Xylene	17.33	0.21
Benzene, 1,4-dichloro-2-methyl-	12.60	0.16
Benzene, 1,2,4-trichloro-	10.59	0.13
o-Xylene	9.54	0.12

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UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

Tube Number	**GRA 09095**
Exposure Time(mins)	**40320**
Sample ID	**S**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	29.93	0.37
5,9-Undecadien-2-one, 6,10-dimethyl-, (E)-	15.91	0.20
Phenol	14.16	0.18
Toluene	13.35	0.17
Pentadecane	10.63	0.13
m/p-Xylene	9.78	0.12
Hexadecane	9.21	0.11
Benzene	9.11	0.11
Benzene, 1,2,3-trichloro-4-methyl-	8.05	0.10
o-Xylene	6.23	0.08

Tube Number	**GRA 09811**
Exposure Time(mins)	**40320**
Sample ID	**SE**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Benzene, 1,2,3-trichloro-4-methyl-	41.12	0.51
Toluene	18.49	0.23
Trichloroethylene	12.93	0.16
Benzothiazole	12.70	0.16
Phenol	10.80	0.13
Benzene	9.92	0.12
Benzene, 1,2,4-trichloro-	9.39	0.12
m/p-Xylene	8.77	0.11
Naphthalene, 2,7-dimethyl-	7.15	0.09
o-Xylene	5.75	0.07

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UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

Tube Number	**GRA 09016**
Exposure Time(mins)	**40320**
Sample ID	**NW**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	130.96	1.62
Benzene, 1,2,3-trichloro-4-methyl-	43.56	0.54
Toluene	34.38	0.43
Trichloroethylene	23.30	0.29
m/p-Xylene	19.11	0.24
Benzene	13.85	0.17
Benzene, 1,2,4-trichloro-3-methyl-	13.65	0.17
Benzothiazole	12.01	0.15
Phenol	11.25	0.14
o-Xylene	10.75	0.13

Tube Number	**GRA 09027**
Exposure Time(mins)	**40320**
Sample ID	**W**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Tetrachloroethylene	156.11	1.94
Benzene, 1,2,3-trichloro-4-methyl-	87.19	1.08
Benzothiazole	72.09	0.89
Benzene, 1,2,4-trichloro-	37.06	0.46
Benzene, 1,2,4-trichloro-3-methyl-	35.20	0.44
Nonadecane	27.00	0.33
Toluene	26.47	0.33
Pentadecane	22.46	0.28
o-Xylene	22.33	0.28
Benzene, 1,4-dichloro-2-methyl-	21.33	0.26

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UKAS TESTING 2187

LABORATORY ANALYSIS REPORT

Tube Number	**GRA 09151**
Exposure Time(mins)	**40320**
Sample ID	**E**

Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Tetrachloroethylene	258.79	3.21
Benzene, 1,2,3-trichloro-4-methyl-	98.96	1.23
Toluene	60.92	0.76
Benzene, 1,2,4-trichloro-3-methyl-	43.21	0.54
Naphthalene	42.49	0.53
Trichloroethylene	41.70	0.52
m/p-Xylene	27.60	0.34
Benzene, 1,2,4-trichloro-	20.00	0.25
o-Xylene	16.92	0.21
Naphthalene, 2,7-dimethyl-	14.25	0.18

Tube Number	**GRA 09105**
Exposure Time(mins)	**40320**
Sample ID	**SW**

Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Heptadecane	545.35	6.76
Octadecane	365.68	4.53
Tetrachloroethylene	282.58	3.50
Hexadecane	126.82	1.57
Benzene, 1,2,3-trichloro-4-methyl-	118.44	1.47
Benzene, 1,2,4-trichloro-3-methyl-	41.68	0.52
Toluene	40.73	0.51
Benzene, 1,2,4-trichloro-	35.04	0.43
Naphthalene	34.35	0.43
Benzene, 1,4-dichloro-2-methyl-	29.88	0.37

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd.

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LABORATORY ANALYSIS REPORT

Tube Number	**GRA 09053**
Exposure Time(mins)	**40320**
Sample ID	**WWTW**

Top 10 VOC'S

Compounds	**ng on tube**	**ppb in air***
Heptadecane	1174	15
Octadecane	701.69	8.70
Hexadecane	463.49	5.75
Hexadecane, 4-methyl-	403.66	5.01
Heptadecane, 3-methyl-	380.92	4.72
Heptadecane, 2-methyl-	374.66	4.65
Hexadecane, 2-methyl-	346.16	4.29
Nonadecane	282.96	3.51
Pentadecane	26.44	0.33
Tetrachloroethylene	19.88	0.25

Comments: Results greater than 1000ng are outside of our UKAS accredited calibration range. Semi-quantitative results for ng on tube are calculated using toluene standards.

Analysts Name **M.Angelova** **Date of Analysis** **21.09.11**

Date of Report **26.09.11**

The Diffusion Tubes have been tested within the scope of Gradko International Ltd. Laboratory Quality Procedures calculations and assessments involving the exposure procedures and periods provided by the client are not within the scope of our UKAS accreditation. Those results obtained using exposure data shall be indicated by an asterisk. Any queries concerning the data in this report should be directed to the Laboratory Manager Gradko International Ltd.

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L. Gates, Laboratory Supervisor

Appendix D

Directional Dust Monitoring

Results Pending

Appendix E
Groundwater Level Data

Date	BH6/06	S3/4	BH4	BH10B/06	BH9	S1/8	BH11*	S2/6	BHB1	W1 (n)	W2	W3 (s)	Riddy 1	Riddy 2	Riddy 3	Riddy 4	V F12	V N3	WS17	P107	P73
1/9/2011	9.510	Dry	Blocked	Lost	10.039	Lost	9.633	Lost	9.010	Lost	Lost	DRY	9.159	9.294	9.490	9.629	9.608	9.532	9.921	Blocked	Covered
8/9/2011	9.610	Dry	Blocked	Lost	10.069	Lost	9.643	Lost	9.020	Lost	Lost	DRY	9.179	9.324	9.520	9.639	9.568	9.517	9.866	Blocked	9.644
9/9/2011	9.670	Dry	Blocked	Lost	10.039	Lost	9.618	Lost	8.995	Lost	Lost	DRY	9.169	9.324	9.510	9.629	9.558	9.522	9.856	Blocked	9.644
14/9/2011	9.070	Dry	Blocked	Lost	10.009	Lost	9.553	Lost	9.620	Lost	Lost	DRY	9.189	9.364	9.530	9.649	9.558	9.502	9.696	Blocked	9.614
16/9/2011	9.700	Dry	Blocked	Lost	10.009	Lost	9.548	Lost	8.990	Lost	Lost	DRY	9.179	9.364	9.530	9.659	9.563	9.502	9.611	Blocked	9.624
19/9/2011	9.790	Dry	Blocked	Lost	9.994	Lost	9.488	Lost	9.030	Lost	Lost	DRY	9.179	9.374	9.535	9.649	9.548	9.482	9.486	Blocked	9.599
23/9/2011	9.790	Dry	Blocked	Lost	9.994	Lost	9.487	Lost	9.020	Lost	Lost	DRY	9.179	9.374	9.538	9.659	9.498	9.492	9.486	Blocked	9.604
29/9/2011	9.790	Dry	Blocked	Lost	9.999	Lost	9.493	Lost	8.950	Lost	Lost	DRY	9.179	9.364	9.540	9.649	9.468	9.492	9.476	Blocked	9.609
30/9/2011	9.780	Dry	Blocked	Lost	10.004	Lost	9.493	Lost	8.920	Lost	Lost	DRY	9.179	9.354	9.540	9.659	9.538	9.487	9.473	Blocked	9.609
3/10/2011	9.770	Dry	Blocked	Lost	9.999	Lost	9.488	Lost	8.800	Lost	Lost	DRY	9.179	9.349	9.545	9.655	9.558	9.487	9.471	Blocked	9.614
5/10/2011	9.820	Dry	Blocked	Lost	9.999	Lost	9.493	Lost	8.910	Lost	Lost	DRY	9.179	9.342	9.540	9.651	9.558	9.484	9.476	Blocked	9.614

Appendix F
Surface Water Analysis Reports

Scientific Analysis Laboratories is a limited company registered in England and Wales (No 2514788) whose address is at Hadfield House, Hadfield Street, Manchester M16 9FE

Scientific Analysis Laboratories Ltd

Certificate of Analysis

Hadfield House
Hadfield Street
Cornbrook
Manchester
M16 9FE
Tel : 0161 874 2400
Fax : 0161 874 2468

Report Number: 249601-1

Date of Report: 14-Sep-2011

Customer: VertaseFLI Limited
19 Napier Court
Barlborough Links
Barlborough
S43 4PZ

Customer Contact: The Project Management

Customer Job Reference: 907 BRI
Customer Purchase Order: 907 BRI
Date Job Received at SAL: 06-Sep-2011
Date Analysis Started: 06-Sep-2011
Date Analysis Completed: 14-Sep-2011

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation

Tests covered by this certificate were conducted in accordance with SAL SOPs

UKAS TESTING
1549

Report checked
and authorised by :
Miss Emma Tibbitts
Senior Project Manager

Issued by :
Miss Emma Tibbitts
Senior Project Manager

SAL Reference: 249601
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Suite

				SAL Reference	**249601 001**	**249601 002**	**249601 003**	**249601 004**
				Customer Sample Reference	**Cam Downgradient**	**Riddy Downgradient**	**BHB1**	**VF12**
				Date Sampled	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Electrical Conductivity	T7	AR	10	µS/cm	**910**	**890**	**2100**	**1300**
pH	T7	AR			**8.1**	**8.2**	**7.2**	**7.4**

SAL Reference: 249601
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton OP/ON Suite

				SAL Reference	**249601 001**	**249601 002**	**249601 003**	**249601 004**
				Customer Sample Reference	**Cam Downgradient**	**Riddy Downgradient**	**BHB1**	**VF12**
				Date Sampled	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Dimefox	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1	<0.1
Ethofumesate	T16	AR	0.1	µg/l	<0.1	<0.1	**250**	**240**
Hempa	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1	**35**
Schradan	T16	AR	0.1	µg/l	<0.1	<0.1	**42**	**320**
Simazine	T16	AR	0.01	µg/l	<0.01	<0.01	**0.92**	**0.39**

SAL Reference: 249601
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Phenoxy Acid Herbs Suite

				SAL Reference	**249601 001**	**249601 002**	**249601 003**	**249601 004**
				Customer Sample Reference	**Cam Downgradient**	**Riddy Downgradient**	**BHB1**	**VF12**
				Date Sampled	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Dicamba	T16	AR	0.1	µg/l	<0.1	<0.1	**1.3**	<0.1
Mecoprop	T16	AR	0.1	µg/l	**1.3**	**0.6**	**30**	**27**
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1	<0.1
Dichlorprop	T16	AR	0.1	µg/l	<0.1	<0.1	**2.2**	**0.4**

SAL Reference: 249601
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton VOC Suite

				SAL Reference	**249601 001**	**249601 002**	**249601 003**	**249601 004**
				Customer Sample Reference	**Cam Downgradient**	**Riddy Downgradient**	**BHB1**	**VF12**
				Date Sampled	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**	**05-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**				
Vinyl chloride	T54	AR	1	µg/l	<1	<1	**240**	**16**
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	<1	<1	**410**	**190**
1,2-Dichloroethane	T54	AR	1	µg/l	<1	<1	**23**	**27**
Trichloroethene	T54	AR	1	µg/l	<1	<1	**(175) 760**	**(175) 720**
Toluene	T54	AR	1	µg/l	<1	<1	**74**	**54**
Tetrachloroethene	T54	AR	1	µg/l	**1**	**1**	**(175) 1200**	**(175) 860**
Xylene (Total)	T54	AR	1	µg/l	<1	<1	**47**	**8**
1,2-Dichlorobenzene	T54	AR	1	µg/l	<1	<1	**4**	**3**
Cyclohexanone	T54	AR	10	µg/l	<10	<10	<10	<10

SAL Reference: 249601
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton SVOC Suite

	SAL Reference	249601 001	249601 002	249601 003	249601 004
	Customer Sample Reference	Cam Downgradient	Riddy Downgradient	BHB1	VF12
	Date Sampled	05-SEP-2011	05-SEP-2011	05-SEP-2011	05-SEP-2011

Determinand	Method	Test Sample	LOD	Units				
2,4,6-Trichlorophenol	T16	AR	10	µg/l	<10	<10	<10	<10
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	(36) <30	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	µg/l	<10	<10	**2000**	**49**
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	<10	<10	**390**	**380**
Phenol	T16	AR	10	µg/l	(36) <30	(36) <30	(36) <30	(36) <30

Index to symbols used in 249601-1

Value	Description
AR	As Received
175	Results should be viewed with caution due to being outside of the instrument calibration range
36	LOD Raised due to low Matrix spike recovery
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T54	GC/MS (Headspace)
T16	GC/MS
T7	Probe

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	µS/cm	N	001-004
pH	T7	AR			U	001-004
Dimefox	T16	AR	0.1	µg/l	N	001-004
Ethofumesate	T16	AR	0.1	µg/l	N	001-004
Hempa	T16	AR	0.1	µg/l	N	001-004
Schradan	T16	AR	0.1	µg/l	N	001-004
Simazine	T16	AR	0.01	µg/l	N	001-004
Dicamba	T16	AR	0.1	µg/l	N	001-004
Mecoprop	T16	AR	0.1	µg/l	N	001-004
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	N	001-004
Dichlorprop	T16	AR	0.1	µg/l	N	001-004
Vinyl chloride	T54	AR	1	µg/l	U	001-004
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	U	001-004
1,2-Dichloroethane	T54	AR	1	µg/l	U	001-004
Trichloroethene	T54	AR	1	µg/l	U	001-004
Toluene	T54	AR	1	µg/l	U	001-004
Tetrachloroethene	T54	AR	1	µg/l	U	001-004
Xylene (Total)	T54	AR	1	µg/l	U	001-004
1,2-Dichlorobenzene	T54	AR	1	µg/l	U	001-004
Cyclohexanone	T54	AR	10	µg/l	N	001-004
2,4,6-Trichlorophenol	T16	AR	10	µg/l	U	001-004
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	N	001-004
4-Chloro-2-methylphenol	T16	AR	10	µg/l	N	001-004
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	U	001-004
Phenol	T16	AR	10	µg/l	U	001-004

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Scientific Analysis Laboratories Ltd

Certificate of Analysis

Hadfield House
Hadfield Street
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M16 9FE
Tel : 0161 874 2400
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Report Number: 249460-1

Date of Report: 14-Sep-2011

Customer: VertaseFLI Limited
19 Napier Court
Barlborough Links
Barlborough
S43 4PZ

Customer Contact: The Project Management

Customer Job Reference: 907 BRI
Customer Purchase Order: 907 BRI
Date Job Received at SAL: 05-Sep-2011
Date Analysis Started: 06-Sep-2011
Date Analysis Completed: 14-Sep-2011

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
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UKAS TESTING
1549

Report checked and authorised by :
Miss Emma Tibbitts
Senior Project Manager

Issued by :
Miss Emma Tibbitts
Senior Project Manager

SAL Reference: 249460
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Suite

				SAL Reference	**249460 001**	**249460 002**	**249460 003**
				Customer Sample Reference	**CAM UPGRADIENT**	**RIDDY UPGRADIENT**	**P107**
				Date Sampled	**02-SEP-2011**	**02-SEP-2011**	**02-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Electrical Conductivity	T7	AR	10	µS/cm	**890**	**1100**	**9500**
pH	T7	AR			**7.8**	**8.0**	**7.3**

SAL Reference: 249460
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton OP/ON Suite

				SAL Reference	**249460 001**	**249460 002**	**249460 003**
				Customer Sample Reference	**CAM UPGRADIENT**	**RIDDY UPGRADIENT**	**P107**
				Date Sampled	**02-SEP-2011**	**02-SEP-2011**	**02-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dimefox	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1
Ethofumesate	T16	AR	0.1	µg/l	<0.1	<0.1	**14**
Hempa	T16	AR	0.1	µg/l	<0.1	<0.1	<0.1
Schradan	T16	AR	0.1	µg/l	<0.1	<0.1	**7.1**
Simazine	T16	AR	0.01	µg/l	<0.01	<0.01	<0.01

SAL Reference: 249460
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton Phenoxy Acid Herbs Suite

				SAL Reference	**249460 001**	**249460 002**	**249460 003**
				Customer Sample Reference	**CAM UPGRADIENT**	**RIDDY UPGRADIENT**	**P107**
				Date Sampled	**02-SEP-2011**	**02-SEP-2011**	**02-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dicamba	T16	AR	0.1	µg/l	<0.1	<0.1	[9] <10
Dichlorprop	T16	AR	0.1	µg/l	<0.1	<0.1	**16**
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	<0.1	<0.1	[9] <10
Mecoprop	T16	AR	0.1	µg/l	**0.1**	<0.1	**2100**

SAL Reference: 249460
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton VOC Suite

				SAL Reference	**249460 001**	**249460 002**	**249460 003**
				Customer Sample Reference	**CAM UPGRADIENT**	**RIDDY UPGRADIENT**	**P107**
				Date Sampled	**02-SEP-2011**	**02-SEP-2011**	**02-SEP-2011**
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
1,2-Dichlorobenzene	T54	AR	1	µg/l	<1	<1	<1
1,2-Dichloroethane	T54	AR	1	µg/l	<1	<1	**26**
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	<1	<1	**580**
Cyclohexanone	T54	AR	10	µg/l	<10	<10	<10
Tetrachloroethene	T54	AR	1	µg/l	**2**	**2**	**2**
Toluene	T54	AR	1	µg/l	<1	<1	**270**
Trichloroethene	T54	AR	1	µg/l	<1	<1	**1**
Vinyl chloride	T54	AR	1	µg/l	<1	<1	**1100**
Xylene (Total)	T54	AR	1	µg/l	<1	<1	**160**

SAL Reference: 249460
Customer Reference: 907 BRI

Water Analysed as Water
Vertase Hauxton SVOC Suite

	SAL Reference	249460 001	249460 002	249460 003
	Customer Sample Reference	CAM UPGRADIENT	RIDDY UPGRADIENT	P107
	Date Sampled	02-SEP-2011	02-SEP-2011	02-SEP-2011

Determinand	Method	Test Sample	LOD	Units			
2,4,6-Trichlorophenol	T16	AR	10	µg/l	<10	<10	**38**
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	µg/l	<10	<10	**4600**
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	<10	<10	**15000**
Phenol	T16	AR	10	µg/l	(36) <30	(36) <30	(36) <30

Index to symbols used in 249460-1

Value	Description
AR	As Received
36	LOD Raised due to low Matrix spike recovery
9	LOD raised due to dilution of sample
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

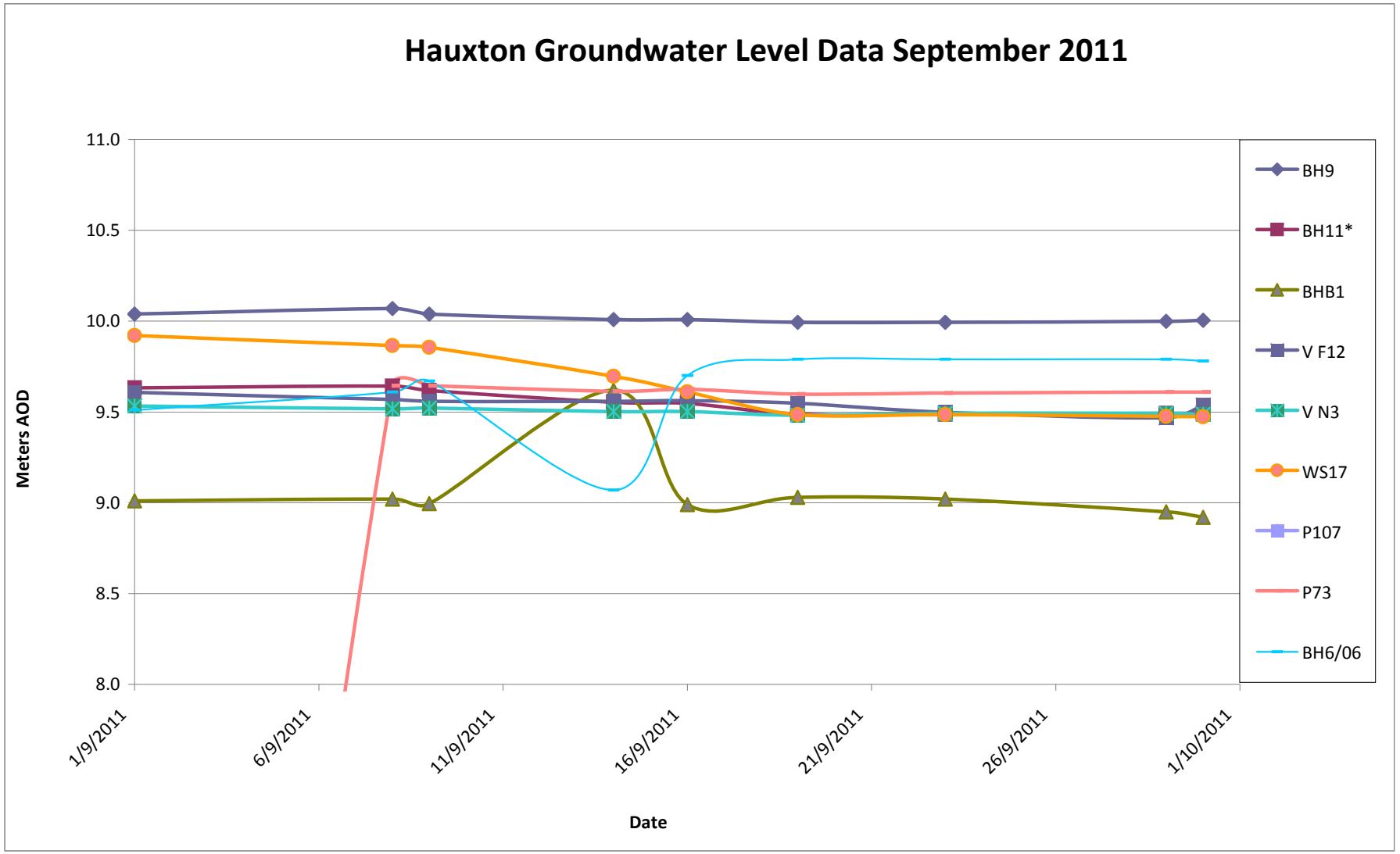
Value	Description
T16	GC/MS
T54	GC/MS (Headspace)
T7	Probe

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	µS/cm	N	001-003
pH	T7	AR			U	001-003
Dimefox	T16	AR	0.1	µg/l	N	001-003
Ethofumesate	T16	AR	0.1	µg/l	N	001-003
Hempa	T16	AR	0.1	µg/l	N	001-003
Schradan	T16	AR	0.1	µg/l	N	001-003
Simazine	T16	AR	0.01	µg/l	N	001-003
Dicamba	T16	AR	0.1	µg/l	N	001-003
Dichlorprop	T16	AR	0.1	µg/l	N	001-003
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	µg/l	N	001-003
Mecoprop	T16	AR	0.1	µg/l	N	001-003
1,2-Dichlorobenzene	T54	AR	1	µg/l	U	001-003
1,2-Dichloroethane	T54	AR	1	µg/l	U	001-003
Cis-1,2-Dichloroethylene	T54	AR	1	µg/l	U	001-003
Cyclohexanone	T54	AR	10	µg/l	N	001-003
Tetrachloroethene	T54	AR	1	µg/l	U	001-003
Toluene	T54	AR	1	µg/l	U	001-003
Trichloroethene	T54	AR	1	µg/l	U	001-003
Vinyl chloride	T54	AR	1	µg/l	U	001-003
Xylene (Total)	T54	AR	1	µg/l	U	001-003
2,4,6-Trichlorophenol	T16	AR	10	µg/l	U	001-003
2-Methyl-4,6-dinitrophenol	T16	AR	10	µg/l	N	001-003
4-Chloro-2-methylphenol	T16	AR	10	µg/l	N	001-003
Bis (2-chloroethyl) ether	T16	AR	10	µg/l	U	001-003
Phenol	T16	AR	10	µg/l	U	001-003

Results Pending

Appendix G
Groundwater Level Graph


Hauxton Groundwater Level Data September 2011
11.0
10.5
10.0
9.5
9.0
8.5
8.0
Meters AOD
1/9/2011
6/9/2011
11/9/2011
16/9/2011
21/9/2011
26/9/2011
1/10/2011
Date
BH9
BH11*
BHB1
V F12
V N3
WS17
P107
P73
BH6/06

Appendix H

Waste Water Treatment Plant Discharge Analysis

Water Quality Analysis of Effluent Discharge Sample

				Bromide	Chloride	Sulphate Ion	Suspended Solids (Total)	Ammoniacal Nitrogen	Biochemical Oxygen Demand	pH	Atrazine	Trietazine	Simazine	Total Atrazine, Trietazine and Simazine	Benazolin	2,3,6-TBA	Dicamba	Hempa	Schradan
Sample Taken	Report Date	Report Number	Sample Location	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l		µg/l	µg/l	µg/l	ug/l	µg/l	µg/l	µg/l	µg/l	µg/l
Consented Levels				*50*	*3000*	*5000*	*45*	*15*	*30*	*na*	*Total of all three*			*250*	*50*	*20*	*50*	*274*	*135*
13/1/2011	25/1/2011	224623	WWTW Discharge	<0.2	92.00	140.00	<10	0.38	<3	7.6	<0.01	0.05	<0.01	0.05	<0.1	<0.1	0.1	15	6.5
15/2/2011	23/2/2011	228099	WWTW Discharge	<0.1	170.00	220.00	<10	0.08	<3	9.1	<0.01	<0.01	<0.01	0.00	1.1	<0.1	<0.01	<0.1	<0.1
23/2/2011	9/3/2011	229026	WWTW Discharge	1.70	200.00	250.00	<10	<0.05	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	0.20	<0.1	0.40	0.20
2/3/2011	15/3/2011	229789	WWTW Discharge	<0.1	220.00	290.00	<10	<0.05	<3	8.2	<0.01	0.02	<0.01	0.02	<0.1	0.4	<0.1	0.9	0.4
7/3/2011	18/3/2011	230442	WWTW Discharge	NT	NT	NT	NT	NT	NT	8.1	NT	NT	<0.01	NT	NT	NT	0.20	0.6	0.3
23/3/2011	1/4/2011	232143	WWTW Discharge	<0.1	190.00	210.00	<10	<0.05	<3	7.9	<0.01	0.02	<0.01	0.02	<0.1	<0.1	<0.1	0.5	0.2
5/4/2011	13/4/2011	233543	WWTW Discharge	<0.1	190.00	200.00	<10	<0.05	<3	8.0	<0.01	0.03	<0.01	0.03	<0.1	0.8	<0.1	1.1	0.5
20/4/2011	3/5/2011	235339	WWTW Discharge	<0.1	150.00	190.00	<10	<0.05	<3	4.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	1.2	0.4
4/5/2011	16/5/2011	236232	WWTW Discharge	<0.2	150.00	180.00	<10	<0.01	<3	8.1	0.03	0.07	0.01	0.11	<0.1	0.8	<0.1	0.8	0.3
12/5/2011	26/5/2011	237211	WWTW Discharge	<0.1	160.00	190.00	15	0.18	<3	8.1	0.03	0.09	<0.01	0.12	<0.1	0.3	<0.1	0.5	<0.1
18/5/2011	31/5/2011	237962	WWTW Discharge	<0.1	130.00	170.00	<10	<0.05	<3	7.9	<0.01	<0.01	<0.01	0.00	<0.1	0.2	0.1	0.4	0.1
2/6/2011	14/6/2011	239421	WWTW Discharge	0.5	130.00	190.00	<10	<0.05	<3	7.8	0.05	0.07	<0.01	0.12	<0.1	3.3	0.3	10	6.7
14/6/2011	22/6/2011	240642	WWTW Discharge	<0.1	140.00	220.00	<10	<0.05	24	8.1	<0.01	<0.01	<0.01	0.00	<0.1	2.5	<0.1	31	30
29/6/2011	7/7/2011	242142	WWTW Discharge	<0.2	160.00	260.00	<10	<0.05	<3	8.2	<0.01	0.01	<0.01	0.01	<0.1	<0.1	<0.1	16	5
11/7/2011	21/7/2011	243434	WWTW Discharge	<0.1	150.00	240.00	<10	<0.05	<3	8.1	<0.01	0.03	<0.01	0.03	<0.1	3	<0.1	12	9.9
25/7/2011	1/8/2011	244979	WWTW Discharge	<0.1	150.00	240.00	<10	0.07	<3	8.2	<0.01	<0.01	<0.01	0.00	<0.1	10	0.4	19	12
30/8/2011	8/9/2011	249090	WWTW Discharge	0.3	89.00	95.00	<10	<0.05	<3	8.0	0.01	0.04	<0.01	0.05	<0.1	0.1	<0.1	23	8.7
8/9/2011	19/9/2011	250134	WWTW Discharge	0.3	100.00	99.00	<10	<0.05	<3	8.4	0.01	0.02	<0.01	0.03	<0.1	1.1	<0.01	<0.1	<0.1

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Wales (No 2514788) whose address is at
Hadfield House, Hadfield Street, Manchester M16 9FE

Scientific Analysis Laboratories Ltd

Certificate of Analysis

Hadfield House
Hadfield Street
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Tel : 0161 874 2400
Fax : 0161 874 2468

Report Number: 250134-1

Date of Report: 19-Sep-2011

Customer: VertaseFLI Limited
19 Napier Court
Barlborough Links
Barlborough
S43 4PZ

Customer Contact: The Project Management

Customer Job Reference: 907 BRI
Customer Purchase Order: 907 BRI
Date Job Received at SAL: 12-Sep-2011
Date Analysis Started: 12-Sep-2011
Date Analysis Completed: 19-Sep-2011

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs

UKAS TESTING
1549

Report checked
and authorised by :
Miss Emma Tibbitts
Senior Project Manager

Issued by :
Miss Emma Tibbitts
Senior Project Manager

SAL Reference: 250134
Customer Reference: 907 BRI

Water Analysed as Water
Miscellaneous

					SAL Reference	250134 001	250134 002
					Customer Sample Reference	WWTW Primary	WWTW Discharge
					Date Sampled	08-SEP-2011	08-SEP-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Ammoniacal nitrogen	T4	AR	0.05	mg/l		**0.11**	<0.05
Biochemical Oxygen Demand	T7	AR	3	mg/l		<3	<3
pH	T7	AR				**8.2**	**8.4**

SAL Reference: 250134
Customer Reference: 907 BRI

Water Analysed as Water
Suite A

					SAL Reference	250134 001	250134 002
					Customer Sample Reference	WWTW Primary	WWTW Discharge
					Date Sampled	08-SEP-2011	08-SEP-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Atrazine	T16	AR	0.01	µg/l		**0.04**	**0.01**
Trietazine	T16	AR	0.01	µg/l		**0.10**	**0.02**

SAL Reference: 250134
Customer Reference: 907 BRI

Water Analysed as Water
Suite B

					SAL Reference	250134 001	250134 002
					Customer Sample Reference	WWTW Primary	WWTW Discharge
					Date Sampled	08-SEP-2011	08-SEP-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Benazolin	T16	AR	0.1	µg/l		<0.1	<0.1
2,3,6-TCB	T16	AR	0.1	µg/l		**1.6**	**1.1**

SAL Reference: 250134
Customer Reference: 907 BRI

Water Analysed as Water
Suite C

					SAL Reference	250134 001	250134 002
					Customer Sample Reference	WWTW Primary	WWTW Discharge
					Date Sampled	08-SEP-2011	08-SEP-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Bromide	T253	AR	0.1	mg/l		**0.2**	**0.3**
Chloride	T253	AR	0.2	mg/l		**78**	**100**
Sulphate ion	T253	AR	0.1	mg/l		**63**	**99**
Suspended Solids (Total)	T2	AR	10	mg/l		<10	<10

SAL Reference: 250134
Customer Reference: 907 BRI

Water Analysed as Water
Suite D

					SAL Reference	250134 001	250134 002
					Customer Sample Reference	WWTW Primary	WWTW Discharge
					Date Sampled	08-SEP-2011	08-SEP-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
Dicamba	T16	AR	0.1	µg/l		<0.1	<0.1
Hempa	T16	AR	0.1	µg/l		**0.1**	<0.1
Simazine	T16	AR	0.01	µg/l		**0.02**	<0.01
Schradan	T16	AR	0.1	µg/l		<0.1	<0.1

SAL Reference: 250134
Customer Reference: 907 BRI

Water Analysed as Water
Suite E

					SAL Reference	250134 001	250134 002
					Customer Sample Reference	WWTW Primary	WWTW Discharge
					Date Sampled	08-SEP-2011	08-SEP-2011
Determinand	**Method**	**Test Sample**	**LOD**	**Units**			
TVC at 22 C	T34	AR	10	cfu/ml		**4200**	**5600**
TVC at 37 C	T34	AR	10	cfu/ml		**720**	**260**

Index to symbols used in 250134-1

Value	Description
AR	As Received
W	Analysis was performed at another SAL laboratory
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Method Index

Value	Description
T16	GC/MS
T7	Probe
T34	Micro
T2	Grav
T4	Colorimetry
T253	IC(EID299)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Ammoniacal nitrogen	T4	AR	0.05	mg/l	U	001-002
Biochemical Oxygen Demand	T7	AR	3	mg/l	N	001-002
pH	T7	AR			U	001-002
Atrazine	T16	AR	0.01	µg/l	N	001-002
Trietazine	T16	AR	0.01	µg/l	N	001-002
Benazolin	T16	AR	0.1	µg/l	N	001-002
2,3,6-TCB	T16	AR	0.1	µg/l	N	001-002
Bromide	T253	AR	0.1	mg/l	WU	001-002
Chloride	T253	AR	0.2	mg/l	WU	001-002
Sulphate ion	T253	AR	0.1	mg/l	WU	001-002
Suspended Solids (Total)	T2	AR	10	mg/l	N	001-002
Dicamba	T16	AR	0.1	µg/l	N	001-002
Hempa	T16	AR	0.1	µg/l	N	001-002
Schradan	T16	AR	0.1	µg/l	N	001-002
Simazine	T16	AR	0.01	µg/l	N	001-002
TVC at 22 C	T34	AR	10	cfu/ml	WN	001-002
TVC at 37 C	T34	AR	10	cfu/ml	WN	001-002

Appendix I
Soil Characterisation Results Summary

Results Received	Reported to SCDC	Grid square	Contaminant	Concentration (µg/kg)	Likely use/origin
12.04.2010	06.05.2010	K15	VOC/SVOC peaks detected		
12.04.2010	06.05.2010	K16	Series of Aromatic Hydrocarbons circa C_{13}-C_{16}	17,000	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
15.04.2010	06.05.2010 (09.06.2010)	J16	2(1-methylpropyl)-phenol	10,000	Encountered and assessed during site investigation, not a priority contaminant
			2,6-bis(1-methylpropyl)-phenol	100,000	Commonly used in the manufacture of specialty surfactants used as wetting agents for agrochemicals.
			2,6-bis(1,1-dimethylethyl)-4-(1-methylpropyl)-phenol	6,000	Commonly used as an antioxidant and stabiliser, also used in oils used in industrial applications.
			Unidentified branched aromatic alcohol, C_{14}	240,000	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by
			Unidentified branched aromatic alcohol, C_{18}	290,000	
15.04.2010	06.05.2010	K14	Phenanthrene	4,100	Encountered and assessed during site investigation, concentration below target value
			Fluoranthene	4,800	
			Pyrene	3,900	
			Benzo(b/k)Fluoranthene	2,200	
07.05.2010	24.05.2010	K9	Dodecanoic acid (Lauric acid), isooctyl ester	2,400	Lauric acid - main acid in coconut oil and palm kernel oil, is non-toxic and safe to handle, is used in many soaps, shampoos and body butters.
			Unidentified Aliphatic Hydrocarbon circa C_{30}	2,300	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			2,4-Dichloro-o-cresol	9,000	Potential herbicide degradation product
			Bis(2-ethylhexyl) maleate	3,800	Commonly used as an intermediate in hydrogenation or acetylation reactions, possibly used in agrochemicals manufacture
			Cyclo octaatomic sulphur	2,800	S_8 is the most common form of sulphur in the solid state, widely used in insecticide and fungicide manufacture

07.05.2010	24.05.2010 (09.06.2010)	L8	Dodecanoic acid (Lauric acid), isooctyl ester	7,400	Lauric acid - main acid in coconut oil and palm kernel oil, is non-toxic and safe to handle, is used in many soaps, shampoos and body butters.
			Unidentified aromatic hydrocarbon containing O and Cl circa C_7	8,400	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
07.05.2010	24.05.2010	L9	Unidentified Aliphatic Hydrocarbon circa C_{30}	2,300	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
13.05.2010	24.05.2010	H8	No VOC/SVOC peaks detected		
13.05.2010	24.05.2010 (09.06.2010)	H9	1,2-bis(2,4,6-trichlorophenoxy)ethane	6,900	Potential Prochloraz degradation product
			Prochloraz	9,100	Fungicide
			Unidentified aromatic hydrocarbon containing Cl circa C_8	9,400	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			Unidentified aromatic amine containing Cl circa C_{11}	2,100	
13.05.2010	24.05.2010	I7	No SVOC peaks detected		
13.05.2010	24.05.2010 (09.06.2010)	I9	2,4-Dichloro-o-cresol	29,000	Potential herbicide degradation product
			2,3,6-Trichlorotoluene	47,000	
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane	20,000	
			Unidentified aromatic alcohol containing Cl circa C_7	25,000	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.
			Unidentified aromatic hydrocarbon containing O circa $C_{16\text{-}18}$	12,000	
13.05.2010	24.05.2010	J7	No VOC/SVOC peaks detected		
20.05.2010	24.05.2010	J8	No VOC/SVOC peaks detected		
26.05.2010		J9	No VOC/SVOC peaks detected		
04.06.2010	16.06.2010 (09.06.2010)	H7	Dichloromethyl phenol	2,100	Same as 2,4-Dichloro-o-cresol (I9)
05.05.2010	16.06.2010 (09.06.2010)	K7	1,2-bis(2,4,6-trichlorophenoxy)ethane	2400.0	As for H9
05.05.2010	16.06.2010	K8	No VOC/SVOC peaks detected		

18.06.2010	29.06.2010	I8	2-methyl phenol	5,500	Encountered and assessed during site investigation, not a priority contaminant
			1,2-dichlorobenzene	3,600	Contaminant of concern, already included in the standard validation suite
17.06.2010	29.06.2010 (09.06.2010)	K10	2,4-Dichloro-o-cresol	550,000	As for I9 and H7
22.06.2010		L10	Cyclo octaatomic sulphur	16,000	As for L8 - Sulphur
20.07.2010	21.07.2010	K10 NAPL	Dichloromethyl phenol	1,800,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			Naphthalene	4,600,000	Encountered and assessed during site investigation, not a priority contaminant
			2-methylnaphthalene	3,900,000	
			1-methylnaphthalene *CAS 90-12-0*	2,400,000	More toxic than 2-methylnaphthalene, must be assessed separately
			Dinoseb *CAS 88-85-7*	68,000,000	2-(1-methylpropyl)-4,6-dinitro- phenol - herbicide and insecticide. Yellow crystalline solid.
21.07.2010	22.07.2010	J10	Dichloromethyl phenol	24,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane *CAS 21120-80-9*	13,000	Same as I9
			1,2,4-Trichlorobenzene	28,000	Encountered and assessed during site investigation, not a priority contaminant
			Trichlorobenzene	32,000	
			2-Chlorotoluene	60,000	
			Trichloro toluene isomer	48,000	Same as I9
			Trichloro benzenamine isomer	11,000	Potential herbicide degradation product
			2,3-Dichlorotoluene *CAS 32768-54-0*	290,000	
21.07.2010	22.07.2010	L11	Dichloromethyl phenol	5,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10, J10)
28.07.2010	02.08.2010	H10	2,4-Dichloro-o-cresol *CAS 1570-65-6*	10,000	As for I9, H7, K10, J10, L11
			Trichloro toluene isomers	58,000	Same as I9, J10
			Dichlorotoluene isomer	52,000	6 possible isomers, but very little data, using surrogate.
			2-Chlorotoluene	39,000	Encountered and assessed during site investigation, not a priority contaminant
			Trichlorobenzene	350,000	
28.07.2010	02.08.2010	I10	2,4-Dichloro-o-cresol *CAS 1570-65-6*	5,000	As for I9, H7, K10, J10, L11, H10
			Trichloro toluene isomers	24,000	Same as I9, J10, H10
03.08.2010	04.08.2010	L12	2,4-Dichloro-o-cresol *CAS 1570-65-6*	7,000	As for I9, H7, K10, J10, L11, H10, I10
03.08.2010	04.08.2010	L13	No VOC/SVOC peaks detected		
03.08.2010	04.08.2010	K12	2,4-Dichloro-o-cresol *CAS 1570-65-6*	7,000	As for I9, H7, K10, J10, L11, H10, I10, L12

03.08.2010	04.08.2010	K13 sand & gravel	Cyclo octaatomic sulphur	68,000	As for L8, L10 - Sulphur
05.08.2010	N/A	K13 chalk	2,4-Dichloro-o-cresol CAS 1570-65-6	650,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12
			Trichloro toluene isomers	1,140,000	Same as I9, J10, H10, I10
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane CAS 21120-80-9	140,000	Same as I9 and J10
			Dichlorotoluene isomer	99,000	Same as J10, H10
			2-Chlorotoluene	12,000	Encountered and assessed during site investigation, not a priority contaminant
05.08.2010	N/A	K11	2,4-Dichloro-o-cresol CAS 1570-65-6	22,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13
05.08.2010	N/A	J11	2,4-Dichloro-o-cresol CAS 1570-65-6	220,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13
			Trichloro toluene isomers	376,000	Same as I9, J10, H10, I10, K13
			Dinoseb CAS 88-85-7	90,000	Same as K10
			Dichlorotoluene isomer	18,000	Same as H10, K13
			2-Chlorotoluene	13,000	Encountered and assessed during site investigation, not a priority contaminant
12.08.2010	17.08.2010	J12	2-chloro Benzenemethanol CAS 17849-38-6	620	Potential agrochemical synthesis ingredient - further investigation is required
			2-Chlorobenzalazine CAS 5328-80-3	5,900	
			2,4-Dichloro-o-cresol CAS 1570-65-6	2,000	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11
			2(1-methylpropyl)-phenol	610	Encountered and assessed during site investigation, not a priority contaminant
12.08.2010	N/A	J13	2,4-Dichloro-o-cresol CAS 1570-65-6	3,400	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12
24.08.2010	25.08.2010	J14	Total Petroleum Hydrocarbons (C5-C12)	43,000	Encountered and assessed during site investigation, not a priority contaminant
			1,3,5-Trimethylbenzene CAS 108-67-8	1,600	Encountered and assessed during site investigation, not a priority contaminant
			1,2,4-Trimethylbenzene CAS 95-63-6	600	
			1,2,3-Trimethylbenzene CAS 526-73-8	700	Isomers encountered and assessed during site investigation, quantitative risk assessment not required
			1-Ethyl-2-Methylbenzene CAS 611-14-3	500	Potential agrochemical synthesis ingredient - further investigation is required
25.08.2010	N/A	I13	1-methylnaphthalene CAS 90-12-0	100	Same as K10NAPL

			Phenanthrene	200	Encountered and assessed during site investigation, not a priority contaminant
			Fluoranthene	300	
			Pyrene	300	
			Benzo(b/k)Fluoranthene	200	
01.09.2010	N/A	I14	Trichloro methyl benzene (trichloro toluene)	400	Same as I9, J10, H10, I10, K13, J11
01.09.2010	N/A	I15	Dichlorocresol	2600	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12
			Dichlorophenoxybutyric acid	6300	Herbicide encountered and assessed during site investigation, similar to MCPA and Mecoprop which are higher risk substances, therefore not a priority contaminant
01.09.2010	N/A	H14	No VOC/SVOC peaks detected		
01.09.2010	N/A	H15	No VOC/SVOC peaks detected		
03.09.2010	N/A	I11	Dichlorocresol	3,300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15
			Trichloro methyl benzene (trichloro toluene)	1,000	Same as I9, J10, H10, I10, K13, J11, I14
			Prochloraz CAS 67747-09-5	800	Same as H9
03.09.2010	N/A	I12	1-methylnaphthalene CAS 90-12-0	40,000	Same as K10NAPL, I13
			Dibenzofuran	24,000	Encountered and assessed during site investigation, not a priority contaminant
			Phenanthrene	60,000	
			Fluoranthene	29,000	
			Acenaphthene	31,000	
24.09.2010	N/A	J15	Methylpropyl phenol	340	Encountered and assessed during site investigation, not a priority contaminant
24.09.2010	28.09.2010	H13	Oxathiane 4,4-dioxide CAS 107-61-9	220	
	N/A		Trichloro methyl benzene (trichloro toluene)	230	Same as I9, J10, H10, I10, K13, J11, I14, I11
			Dichloromethylphenol	2100	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11
			1-(2-Chloroethoxy)-2-(o-Tolyloxy) ethane CAS 21120-80-9	470	Same as I9, J10, K13
01.10.2010	N/A	H11	No VOC/SVOC peaks detected		
01.10.2010	05.10.2010	H12	Indane CAS 496-11-7	3700000	2-ring hydrocarbon
	N/A		Ethyltoluene (ethyl methyl benzene) isomer	4500000	As J14
			Bis methylpropyl phenol isomer	980000	As J16
			1,3,5-Trimethylbenzene	3900000	Encountered and assessed during site

			1,2,4-Trimethylbenzene	10000000	investigation, not a priority contaminant
			1,2,3-Trimethylbenzene	3100000	
22.10.2010 (216017)	25.10.2010	G12	Nicotine	6400	Natural insecticide
	N/A		Dichloromethyl phenol	2900	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13
			Methylpropyl phenol	9400	Encountered and assessed during site investigation, not a priority contaminant
			Schradan	1200	Contaminant of concern, already included in the standard validation suite
22.10.2010 (216017)	N/A	G13	1-methylnaphthalene CAS 90-12-0	170	Same as K10NAPL, I13, I12
			Isophorone CAS 78-59-1	530	Encountered and assessed during site investigation, not a priority contaminant
			Naphthalene	690	
			2-methylnaphthalene	270	
			Phenanthrene	410	
			Fluoranthene	380	
			Pyrene	310	
22.10.2010 (216017)	N/A	G14	No VOC/SVOC peaks detected		
29.10.2010 (216821)	N/A	H17	No VOC/SVOC peaks detected		
29.10.2010 (216821)	N/A	G17	No VOC/SVOC peaks detected		
01.11.2010 (216817)	30.11.2010	G10	Dibromochloromethane CAS 124-48-1	300	Risk Assessment
	N/A		Dichloromethyl phenol	1300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12
			Isophorone	7100	Encountered and assessed during site investigation, not a priority contaminant
			Benzyl Chloride (1-chloro-2-methylbenzene CAS 95-49-8)	200	
			Methylpropyl phenol	7100	
			3,3,5-trimethyl cyclohexanone	700	
01.11.2010 (216817)	N/A	G11	Dichloromethyl phenol	2300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12, G10
			Trichloro methyl benzene (trichloro toluene)	2400	Same as I9, J10, H10, I10, K13, J11, I14, I11, H13
			1-Methyl naphthalene	760	Same as K10NAPL, I13, I12, G13
			2-methyl phenol	800	Encountered and assessed during site investigation, not a priority contaminant
			Methylpropyl phenol	22000	

			2-Methylnaphthalene	1500	
			2,4,5-Trichlorophenol	360	
			Chloroform	500	
			1,2-dibromoethane	700	
			EthylBenzene	1800	
			1,4-Dichlorobenzene	700	
			1,2,3-Trichlorobenzene	2000	
01.11.2010 (216817)	30.11.2010	G15	Ethyl methyl phenol	18000	Risk Assessment
			Dimethyl naphthalene	59000	Risk Assessment
	N/A		Dichloromethyl phenol	2400	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12, G10, G11
			1-Methyl naphthalene	26000	Same as K10NAPL, I13, I12, G13
			1-ethyl-3- methyl benzene (ethyl toluene)	600	As J14, H12
			Ethyltoluene	300	
			Isophorone	37000	Encountered and assessed during site investigation, not a priority contaminant
			Naphthalene	43000	
			Methylpropyl phenol	30000	
			2-Methylnaphthalene	21000	
			Phenanthrene	110000	
			Fluoranthene	69000	
			1,3,5-Trimethylbenzene	900	
			1,2,4-Trimethylbenzene	1600	
			1,2,3-Trimethylbenzene	400	
08.11.2010 (217789)	N/A	M7	No VOC/SVOC peaks detected		
08.11.2010 (217789)	N/A	M8	2-methyl phenol	11,000	Encountered and assessed during site investigation, not a priority contaminant
08.11.2010 (217793)	N/A	M6	No VOC/SVOC peaks detected		
08.11.2010 (217793)	N/A	N6	No VOC/SVOC peaks detected		
08.11.2010 (217795)	N/A	L5	No VOC/SVOC peaks detected		
08.11.2010 (217795)	N/A	M4	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	M5	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	N4	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	N5	No VOC/SVOC peaks detected		
08.11.2010 (217800)	N/A	M9	No VOC/SVOC peaks detected		

18.11.2010 (218834)	N/A	I6	No VOC/SVOC peaks detected		
23.11.2010 (219458)	N/A	L4	No VOC/SVOC peaks detected		
23.11.2010 (219456)	N/A	N3	No VOC/SVOC peaks detected		
20.01.2011 (224432)	N/A	F11	No VOC/SVOC peaks detected		
20.01.2011 (224432)	N/A	F12	No VOC/SVOC peaks detected		
20.01.2011 (224432)	24.01.2011	F13	Total Petroleum Hydrocarbons (C8-C14)	16000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
20.01.2011 (224432)	24.01.2011	E12	Total Petroleum Hydrocarbons (C8-C14)	28000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
	N/A		1-Ethyl-2-Methylbenzene (o-ethyl toluene) CAS 611-14-3	300	As J14, H12, G15
			1,2,4-Trimethylbenzene	700	Encountered and assessed during site investigation, not a priority contaminant
20.01.2011 (224432)	24.01.2011	E13	DDD	4100	Pesticide Risk Assessment Required.
	N/A		m/p ethyl toluene	1200	Encountered and assessed during site investigation, not a priority contaminants
			m-ethyl toluene:1-ethyl-3-methylbenzene, CAS 620-14-4		
			p-ethyl toluene: 1-ethyl-4-methylbenzene, CAS 622-96-8		
	24.01.2011		Total Petroleum Hydrocarbons (C8-C13)	73000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
	N/A		2,6-bis(1-methylpropyl)-phenol	5000	As J16, H12
			DDT	3200	Encountered and assessed during site investigation, not a priority contaminant
			4-(1-methylpropyl)phenol	2700	
			2(1-methylpropyl)-phenol	12000	
			1,2,3-trimethylbenzene	600	
			1,3,5-trimethylbenzene	1700	
			1,2,4-trimethylbenzene	3000	
			p-Isopropyltoluene	400	
24.01.2011 (224621)	25.01.2011	F15A	No VOC/SVOC peaks detected		
24.01.2011 (224621)	25.01.2011	F15B	No VOC/SVOC peaks detected		

09.02.2011 (226719)	10.02.2011	H6	No VOC/SVOC peaks detected		
09.02.2011 (226719)	10.02.2011	J5	No VOC/SVOC peaks detected		
09.02.2011 (226719)	10.02.2011	J6	No VOC/SVOC peaks detected		
17.03.2011 (230436)	21.03.2011	K5	Bis(2-ethylhexyl) maleate *CAS 142-16-5*	1,800	As L8
21.03.2011 (230436)	22.03.2011	K6	2,3-Dichlorotoluene *CAS 32768-54-0*	300	As J10, J11, H10, K13
			Bis(2-ethylhexyl) maleate *CAS 142-16-5*	2,000	As L8, K5
			Squalene *CAS 7683-64-9*	2,000	Natural organic compound found in the human body. Used in cosmetics, vaccines and steroid synthesis. Risk assessment not required.
			Glycerol tricaprylate CAS 538-28-8	4,700	Cosmetic ingredient. RisK Assessment notrequired.
28.03.2011 (231689)	29.03.2011	M10	No VOC/SVOC peaks detected		
30.03.2011 (232134)	01.04.2011	L14	No VOC/SVOC peaks detected		
31.03.2011 (232138)	24.05.2011	TB100 (J13, K12, K13)	Dimethyl nitroaniline isomer	5,400	Risk Assesment Required
			Chlorazine, CAS 580-48-3	2,400	listed as antipsychotic drug, very similar in structure to the herbicide simazine. Risk Assessment required.
	N/A		Dinoseb	57,000	As J11, K10, Already actioned
			DDD	9,300	As E13, Already actioned.
			Trietazine	8,600	Encountered and assessed during site investigation, not a priority contaminant
13.06.2011 (239403)	N/A	G16	No VOC/SVOC peaks detected		
13.06.2011 (239403)	N/A	H16	No VOC/SVOC peaks detected		
13.06.2011 (239578)	N/A	L6	No VOC/SVOC peaks detected		
13.06.2011 (239578)	N/A	L7	No VOC/SVOC peaks detected		