











# **Environmental Monitoring Report**

Reporting Period 30/01/2011-27/02/2011 Supplemental report

Former Bayer Crop Science Site Hauxton Cambridgeshire

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## 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 5<sup>th</sup> February 2010.

The time period that this report represents is from the 30<sup>th</sup> of January 2011, until the 27<sup>th</sup> of February 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 47. Week Commencing 31st January 2011

Excavation of contaminated soils progressed into grid squares H6 and I6 in the north of the site continued through the week removing impacted marl and Gault clay to approximately 4m below ground level. Contaminated materials were placed in treatment beds in the east of the site. Trial pits were excavated in the north of the site to asses the depth of validation required in the recently excavated areas. A section of the force ventilation vapour extraction bed was isolated and pipe work removed to allow the treated materials to be removed and relocated on site.. Relocating of existing treatment beds and stockpiles was undertaken to create further space for newly created treatment beds. The majority of the treatment beds on site are to wet to be processed.

## Week 48. Week Commencing 7th February 2011

Excavation of contaminated materials continued through in to grid square I6, with treatment beds being created in the east of the site. Tarmac from this area was excavated and segregated to wait off site disposal. Further treatment beds that require force ventilation vapour extraction treatment were relocated to the force ventilation area, fitted with the pipe work and commissioned for treatment, these works were halted in unfavourable weather conditions to prevent potential site odours affecting local residents. Turning of treatment beds was undertaken on a number of beds that were previously too wet for processing, but have recently become dryer and easier to process to promote bioremediation.

## Week 49. Week Commencing 14th February 2011

Excavation of contaminated materials continued in to grid squares H6, J5 and J6 with treatment beds being created in the east of the site. Turning of treatment beds was undertaken on a number of beds that were previously too wet for processing, but have recently become dryer and easier to process to promote bioremediation.

## Week 50. Week Commencing 21st February 2011

Excavation of contaminated materials continued in to grid squares K5, K6 and K7 removing contaminated Gault Clay with treatment beds being created in the east of the site. Turning of



treatment beds was undertaken on a number of beds and spent mushroom compost was added to a number of treatment beds to assist in the stimulation of the biological process within the treatment bed.



## 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 22<sup>nd</sup> 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. Initially two mobile telescopic misting fans were used on site and a full boundary misting system was also erected to supplement the mobile units, along with the addition of two further mobile units to focus specifically on the excavation.

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 variety of 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, therefore due to the significant amount of snow fall and heavy rain during the reporting period 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 detected by the PID (Limit of detection of 0.1ppm) beyond the site boundary on the following occasion:

On the 25/02/2011at 08:30 the PID registered an intermittent peak of 1.0ppm at the northern and northeast monitoring location, odours related to the excavation process were intermittent, generally strong smell of solvents. Additional odour control measures were applied to allow the excavation to continue whilst reducing the odour impact 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 20/01/2011 and 17/02/2011 are reported in appendix C. Unfortunately a number of the sampling media were damaged in transit to the laboratory and could not be analysed. The analysis undertaken for this monitoring period indicates that the majority of the VOC's detected are around the baseline, except for Toluene 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 due to the significant amount of snow fall during the reporting period this has prevented real-time dust monitoring 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 143.50µg/m³, the average PM10 dust reading around the site is 87.06µg/m³. 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 24/01/2011 to 07/02/2011 (5 locations monitored) recorded a maximum dust deposition rate was 2.57%EAC at the north monitoring location. All other locations had a maximum dust deposition rate of 1.07%EAC, or less.

Dust monitoring undertaken from the 07/02/2011 to 22/02/2011 (6 locations monitored) recorded a maximum dust deposition rate was 0.47%EAC at the north monitoring location. All other locations had a maximum dust deposition rate of 0.33%EAC, or less.

Dust deposition values of less than 2.5% are regarded as having a very low nuisance potential. Only when percentages rise from 2.5% – 5% EAC is dust considered to have a low nuisance causing potential. 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 has been on site constantly to allow any maintenance or plant delivery 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 22<sup>nd</sup> 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 61dB. 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 has been some significant changes in levels along the Riddy Brook due which are effects of the recent heavy rain events notably on the 21<sup>st</sup> of February 2011.

## 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 24<sup>th</sup> February 2011 and are presented in Appendix F.

The surface water analysis of the  $24^{th}$  February 2011 shows traces of Trichloroethylene (7 µg/l), Cis1,2-Dichloroethylene (3 µg/l), Tetrachloroethylene (3 µg/l) and Ethofumesate (0.1 µg/l) were detected in the downstream samples of the Riddy Brook. Trace levels of Tetrachloroethylene (2 µg/l) were also detected in the down stream sample of the River Cam. These trace levels of have been recorded in the baseline data collected prior to the commencement of the remediation project and are not related to a specific incident.



#### 4.3. Groundwater Level Monitoring

Groundwater levels are recorded within at least 11 borehole locations onsite on a daily 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.

From approximately 2-3m below ground level discontinuous thin sand and gravel bands have also produced some limited quantities of water, which have tended to dry up within 24 hours.

The groundwater levels measured at locations around the site are shown in drawing D907\_31E, in appendix A. The groundwater levels are presented in Appendix E.

Groundwater contour plots are drawn up on a weekly basis to interpret the potential movement of the water beneath the site. Contour plots D907\_149, D907\_150, D907\_151 and D907\_152 (Appendix G) illustrate the weekly groundwater levels for the reported period.

The four contour plots constructed (Appendix G) illustrate that there have been little changes to groundwater levels within the boreholes on site, due to the discontinuous nature of the geology on site and the depth of open excavation, the contour plots do not accurately depict groundwater level across the site.

There has been no recharge of groundwater in the central and northern part of the site where the main excavations have taken place, the base of excavations on site are approximately at 10.00mAOD and remain free of groundwater. There has not been any change to the pumping regime in this part of the site during the monitoring period.



## 4.4. Groundwater Sampling and Analysis

Groundwater samples from 11 monitoring locations on site are taken on a monthly basis. The results for samples taken on 1<sup>st</sup> February 2011 and 25<sup>th</sup> of February are presented in Appendix F.

The contaminant concentrations present in the samples taken on the 1<sup>st</sup> of February 2011 and 25<sup>th</sup> of February are similar to the baseline data collected during the summer of 2008, but there appears to be gradual reduction in concentration of the main contaminants in the groundwater samples.



#### 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 15<sup>th</sup> 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 27/02/2011, seventy four 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. Thirty five characterisation samples analysed contained a total of twenty three compounds / potential contaminants that had not been previously identified.

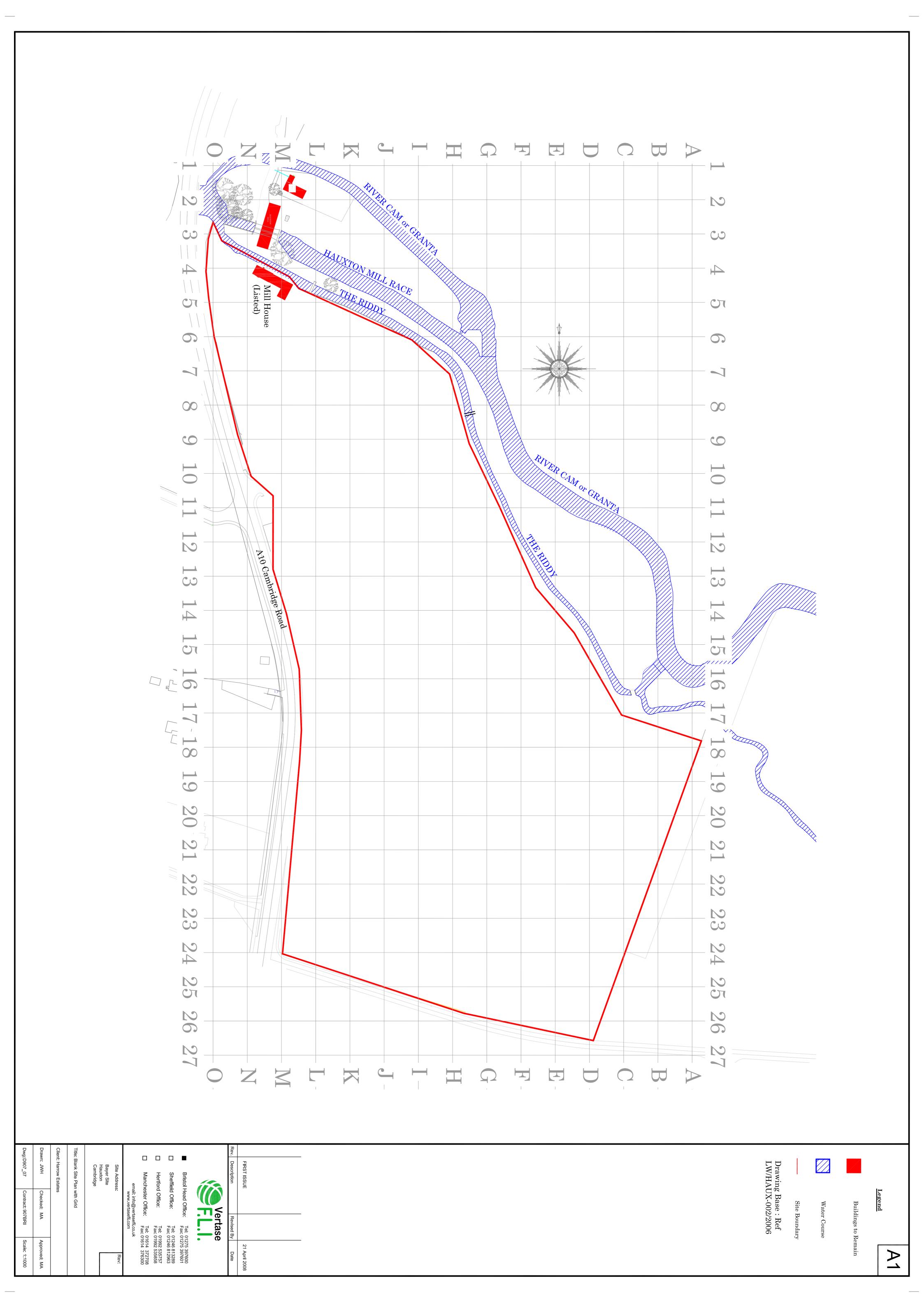
A summary table of the soil characterisation testing is presented in Appendix I, the previously unidentified compounds are listed here, with comments regarding the origin and likely usage on site.

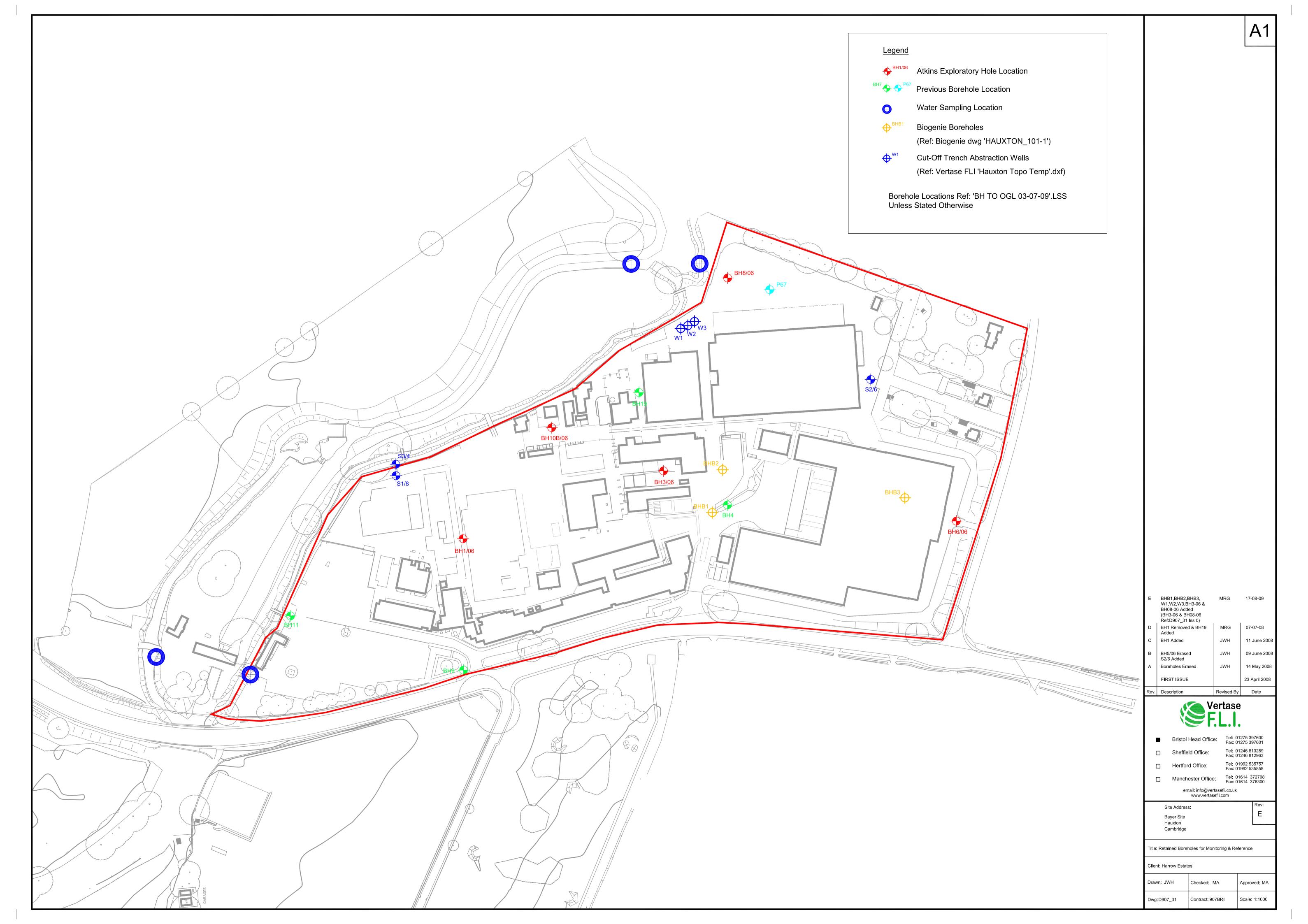
The remediation project consultants Atkins continuously review the soil characterisation analysis and report previously unidentified contaminates in accordance with condition 9, Planning Condition Document ref:S/2307/06/f Issued 10/02/2010.

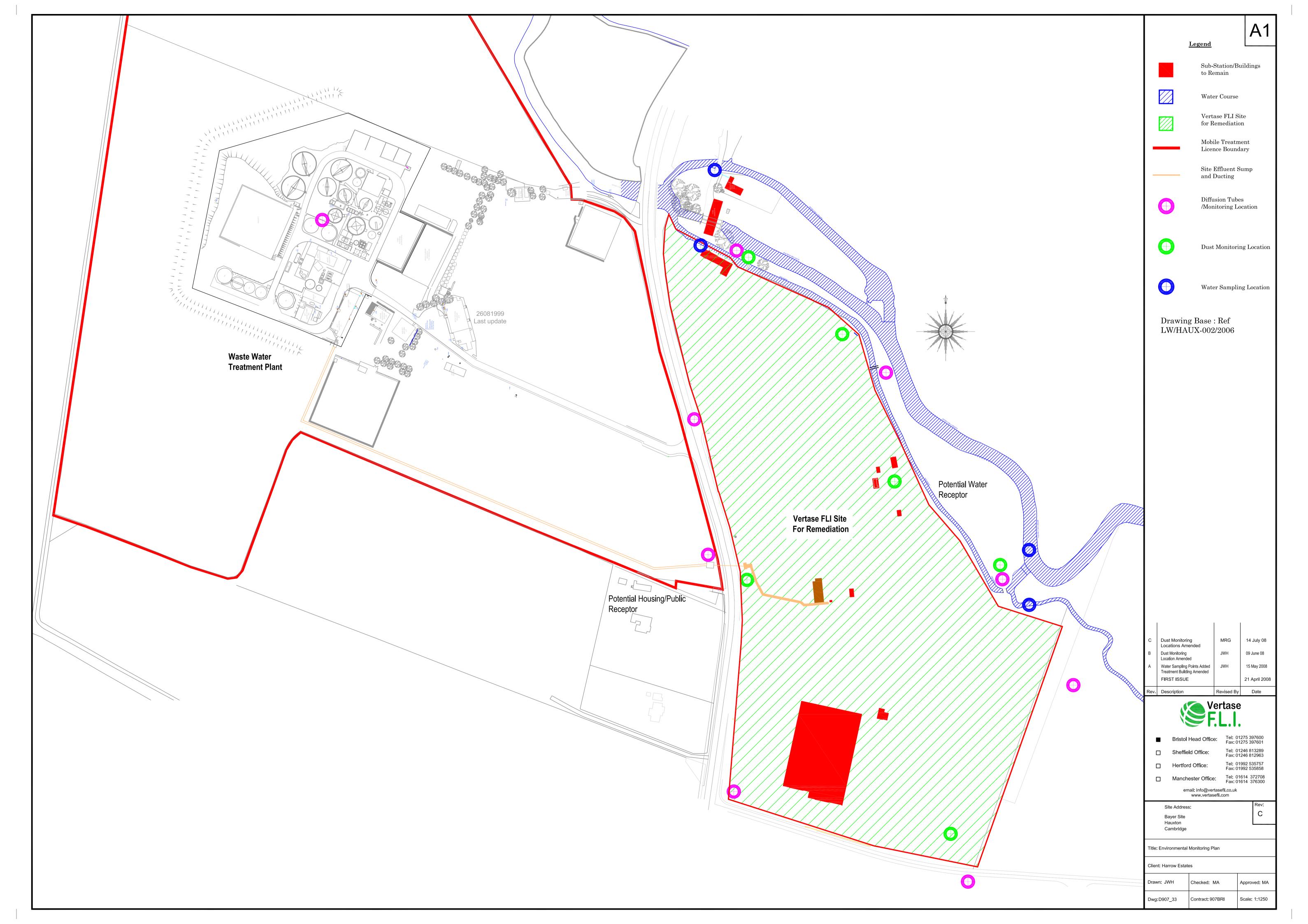


Appendix A

**Drawings** 









**Appendix B** 

**Environmental Monitoring Data** 

				_		ODOUR				DUST	NOISE LIT	TER	RIDI	DY BROOK	ı		MET	EOROLOGICAL AND ENVIRONME	NTAL CONDITION	٦
Assessor	Date	Daily Activity	Boundary	Start Finish Detectable Time Time (Yes or N	oity Intensit No) (1 to 9)	Quality (Description)	Tone Sensiti	ion Odour ivity Source 5) (1 to 5)	PID TSP	PM10	Average Present (dBa) (Description)	Materials attracting scavenners	Inspection	Water Level (mAOD)	Complaints	Action Required	Wind Speed (1 to 6)	Wind Temp Description (Rain, Direction (C)	Cloud Groun Cover Conditi (0 to 8) (West of	General Notes
T Walker	31/01/2011	excavating in grids/bed turning	N	10.30 10.35 n	1	no odour	0 2	1	63	67	70 no	no	clear	9.189	no n	10	2 1	erw 3 sun/dry	2 dry	TCE/pesticide odour at the NE boundary next to the dig. Deemed to be not to give rise to complaints or nuisance
T Walker	31/01/2011	axcavating in grids/baid turning	NE1 E	10.35 10.40 y 10.35 10.40 10.40 10.45 y	2	TCE/Pesticides	-1 2	3	399 83 78	104 31 50	56 no	no	dear clear clear	9.639	00 0 00 0	10	H			
T Walker T Walker T Walker	31/01/2011	sectional in problem forming section in problem fo	SE S	10.40 10.45 y 10.45 10.50 y 10.50 10.55 n 10.55 11.00 n 11.00 11.10 n	2 1	exhaust fumes odour control no odour	1 3 0 3	3	133	24	50 no 53 no	00 00			no n	10				
T Walker T Walker T Walker	31/01/2011 31/01/2011 31/01/2011	axcavating in gridsi-bad turning axcavating in gridsi-bad turning axcavating in gridsi-bad turning	W NW	10.55 11.00 n 11.00 11.10 n		no odour no odour no odour	0 4 0 4	1	87	79	66 no 74 no 56.3 no	no no			00 0 00 0	10	1 1	sw 3 sun	2 dry	
T Walker T Walker T Walker	31/01/2011	axcavating in grids/bed turning axcavating in grids/bed turning	N NE	16.00 16.05 n 16.05 16.10 y	1 4	no odour TCE/Pesticides	0 2 4 2	1 3	135	35 42	56 no 71 no	00 00	dear clear	9.189	no n	10				
T Walker T Walker T Walker	31/01/2011	accavating in grissrbed turning accavating in gridsrbed unning accavating in gridsrbed turning	E SE	16.15 16.20 y 16.20 16.25 n	4	TCE/Pesticides no odour	3 2	3 1	58	42	62 no 71 no	no no	clear	9.639	no n	10	Ħ			
T Walker T Walker T Walker T Walker	31/01/2011 31/01/2011 31/01/2011	accavating in gridsubed turning accavating in gridsubed turning accavating in gridsubed turning accavating in gridsubed turning	SW	16.25 16.30 n 16.30 16.35 n		no odour no odour no odour no odour no odour	0 3	1	511	81	63 no 83 no	no			no n	10				
T Walker	01/02/2011	axcavating in grids/bed turning	NW N	16.40 16.45 n 10.00 10.05 n		no odour no odour	0 2	i	43	21	44 no 56 no	no no	clear	9.189	no n	10	2 5	SW 7 dry	3 dry	Excavation producing some odours onto Riddy brook footpath but odours are not excessive
T Walker T Walker T Walker	01/02/2011	axcavating in gridshed turning axcavating in gridshed turning axcavating in gridshed turning	NE NE1	1106 1116 a 1107 1116 a 1108 1116 a 1109 1	3	TCE	-1 2	3	110	36 34	57 00	00	clear clear	0.030	no n	10				
T Walker T Walker	01/02/2011	arcavating in grids/bed turning arcavating in grids/bed turning	SE S	10.20 10.25 n 10.25 10.30 n	-	no odour no odour	0 3	í	101	10	51 no 49 no	no no	Jean	2.020	no n	10				
T Walker T Walker T Walker	01/02/2011 01/02/2011 01/02/2011	excarvating in gridarbeat turning excarvating in gridarbeat turning excarvating in gridarbeat turning	W NW	10.30 10.35 n 10.35 10.40 n 10.40 10.45 n	1	no odour no odour no odour	0 4 0 4		123	68	47 no 49 no 53 no	00 00			00 0 00 0	10 10	Ħ			
	01/02/2011	excavating in grids/bad turning	N	15.00 15.05 n	1	no odour	0 2	,	76	36	56 no	no	dear	9.189	no n	10	2 1	wnw 6 sun	3 dry	edours from moving force vertied bed beginning to cause odours on boundary, odour control system has beer turned on to run overnight.
T Walker T Walker T Walker T Walker T Walker	01/02/2011	axconvising in griddebad turning axconvising in griddebad turning axconvising in griddebad turning	NE1 E	15.20 15.25 n 15.15 15.20 15.20 15.25 n		no odour	0 2		111	23 42 18	43 no	no	clear clear clear	9.638	no n	10	Ħ			
T Walker T Walker T Walker	01/02/2011	incovating in grids/baid turning incovating in grids/baid turning	SE S	15.25 15.30 y 15.30 15.35 y	2	TCE TCP	-1 3 -1 3	3	64	26	38 no 71 no	no			no n	10				
T Walker	01/02/2011	ixcarvating in gridsi-bad turning ixcarvating in gridsi-bad turning ixcarvating in gridsi-bad turning	W	15.40 15.45 n 15.45 15.50 n	-	TCP no odour no odour no odour	0 4		28	29	67 no 65 no	no no			no n	10	2.9 5			
T Walker T Walker T Walker	02/02/2011	accoviding in gridsibatd urring accoviding in gridsibatd urring accoviding in gridsibatd urring/concrete crushing accoviding in gridsibatd urring/concrete crushing accoviding in gridsibatd urring/concrete crushing	N NE	9.00 9.05 n 9.05 9.10 y	3	no odour odour control	0 2	3	84 116 98	36 28	57 no 63 no	no	dear dear	9.189	00 00	10	2.9	sw 5 dry/overcast	6 dry	odours on boundary are minima
T Walker T Walker	02/02/2011	incovising in grids/bed turning/concrete crushing incovising in grids/bed turning/concrete crushing	E SE	9.15 9.20 n 9.20 9.25 n 9.35 9.40 n	1	no odour no odour no odour	0 2 0 3	,	121	16	67 no 53 no	no no	dear	9.639	no n	10	Ħ			
T Waker T Waker T Waker	02/02/2011	axcavating in grids/bed turning/concrete crushing axcavating in grids/bed turning/concrete crushing axcavating in drids/bed turning/concrete crushing	SW W	9.35 9.40 n 9.45 9.50 n 9.50 9.55 n	-	no odour no odour no odour	0 3 0 4		108	26	46 no 38 no 47 no	no no			no n	10	Ħ			
T Walker T Walker T Walker T Walker	02/02/2011	excavating in grids/bed turning/concrete crushing excavating in grids/bed turning/concrete crushing	NW N	10.00 10.05 n 16.30 16.35 n		no odour no odour no odour no odour	0 2	1	46	71	54 no 61 no	no no	dear	9.189	no n	10	Ħ			Weather station not in use
T Walker T Walker	02/02/2011 02/02/2011 02/02/2011	securation in platitibula turning locación custanos securation in platitibula turning locación custano securation in securation securation securation in securation	NE1 E	9.45 9.50 h 9.50 9.55 h 10.00 10.05 h 16.30 16.35 h 16.40 16.45 16.40 16.45	4	Explodour control	-2 2	3	141	23 26 31	54 no	10	clear clear	9.639	no n	10 10	Ħ			
T Walker T Walker	02/02/2011	excevating in grids/bed turning/concrete crushing	SE S	16.50 17.08 h 17.00 17.05 h 17.08 17.10 h 17.10 17.18 h 17.18 17.22 h	1	no odour no odour	0 3 0 3	1	53	48	62 no 65 no	00			no n	10				
T Walker T Walker T Walker	02/02/2011 02/02/2011 02/02/2011	axcavating in grids/bed turning/concrete crushing axcavating in grids/bed turning/concrete crushing axcavating in grids/bed turning/concrete crushing	SW W NW	17.08 17.10 n 17.10 17.18 n 17.18 17.22 n	-	no odour no odour no odour	0 4 0 2	1	67	97	66 no 71 no 70 no	no no			00 0 00 0	10 10	Ħ			
l Stephenson I Stephenson	03/02/2011	noving 93 and 87 into warehouse noving 93 and 87 into warehouse	N NE	8.40 8.45 n 8.45 8.50 n			2 2		98.2 33.3 29.4	70 29.3	66.6 no 54.8 no	no no	dear dear	9.189	no n	10	H			
I Stepherson I Stepherson I Stepherson	03/02/2011	moving 93 and 87 into warehouse noving 93 and 87 into warehouse noving 93 and 87 into warehouse	E SE	8.55 9.00 y 9.00 9.05 y	4 3	chlorinated phenois consistent with wind very faint chemical odour sweet consistent with w	-1 2 40 3	4 3	17.3	3.1	50 no 47.1 no	no no	dear	9.639	no o	to odour control needs activating/adj to	u10.5 S	SW 4.8 dry	7 damp	no odour at church
l Stephenson l Stephenson	03/02/2011	noving 93 and 87 into warehouse noving 93 and 87 into warehouse noving 93 and 87 into warehouse	S	9.05 9.10 n 9.10 9.15 y	3	wet veg and car emissions	3 -1 4	,		19.4	65.6 no 75.1 no	no no			no n	10				
I Stephenson I Stephenson I Stephenson	03/02/2011	and the second s	NW N	17.18 17.22 6 8.40 8.45 8.50 6 8.45 8.50 8.55 8.55 8.55 8.55 9.00 9.05 9.00 9.05 9.05 9.00 9.05 9.00 9.05 9.00 9.05 9.10 9.15 9.00 9.05 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.15 9.20 9.25 9.25 9.25 9.25 9.25 9.25 9.25 9.25	3	car emissions	0 2		200	107	63.5 no 59.4 no 61.3 no	no no	clear	9.189	no n	10	6 5	SW 7 sunny	6 damp	no odour at church
Stephenson Stephenson	03/02/2011	moving 93 and 87 moving 93 and 87 moving 93 and 87	NE NE1	17.05 17.10 n 17.10 17.15	,	slight chlorinated phenols and veg	1 2		217	120 154	58.5 no	no	clear clear	9.639	no n	10				
I Stephenson I Stephenson I Stephenson I Stephenson	03/02/2011	moving 93 and 87 moving 93 and 87 moving 93 and 87	SE S	17:15 17:20 y 17:25 17:25 n 17:25 17:35 n 17:35 17:35 n 17:35 17:40 n 17:40 17:45 y 8:50 8:55 n 8:55 9:00 y 9:00 9:05 9:10 n 9:10 9:15 y			3 3		171	126	61.2 no 54.3 no 71.2 no	no no			no n	10				
I Stephenson I Stephenson I Stephenson I Stephenson	03/02/2011	noving 93 and 87 noving 93 and 87 noving 93 and 87 noving 93 and 87 into warehouse	W W	17.30 17.35 n 17.35 17.40 n	5	ashphalt, car fumes	4		372	106	73.4 no 75.1 no 81.2 no	no no			no n	10				
Stanhenson	04/02/2011	noving 93 and 87 into warehouse noving 93 and 87 into warehouse	N NE	8.50 8.55 n 8.55 9.00 y	4	odour control fresh linen	2 2	5			68.4 no 59.2 no	no no	clear clear	9.189	no n	10	2 8	SW 4 clear	2 damp	No odour at church
I Stephenson I Stephenson I Stephenson	04/02/2011	moving 93 and 97 into warshouse moving 93 and 97 into warshouse moving 93 and 97 into warshouse moving 93 and 97 into warshouse	NE1 E SE	9.00 9.05 9.05 9.10 n 9.10 9.15 v			2 2	6			64.8 no 53.1 no	00	clear	9.639	no n	10 10	Ħ			
I Stephenson I Stephenson I Stephenson I Stephenson	04/02/2011	moving 93 and 87 into warehouse moving 93 and 87 into warehouse moving 93 and 87 into warehouse	S SW	9.10 9.15 y 9.15 9.20 y 9.20 9.25 y 9.20 9.25 y 9.25 9.30 y 9.30 9.35 y 16.30 16.35 h 16.35 16.40 y	3 5	odour control fresh linen wet veg and termac wet veg exhaust fumes termac exhaust emissions	-1 3 -2 4	1			69.3 no 72.8 no	00 00			no n	10				
I Stephenson I Stephenson	04/02/2011	moving 93 and 87 into warehouse moving 93 and 87 into warehouse moving 93 and 87 into warehouse	NW N	9.30 9.36 y 9.30 16.36 n	3	exhaust emissions	-1 4 -1 2		133	131	74.9 no 73.8 no 63.8 no	no no	dear	9.189	no n no n	10	15 5	SW 5 gales	8 damp	damp vegetation odour at church
I Stephenson I Stephenson I Stephenson I Stephenson	04/02/2011	moving 93 and 87 into warehouse moving 93 and 87 into warehouse moving 93 and 87 into warehouse moving 93 and 87 into warehouse	NE NE1	16.35 16.40 y 16.40 16.45	5	odour control and wet veg and chlorinated pheno	1 2	3	208 267	157 158	68.9 no	no	clear clear	0.630	00					
l Stepherson l Stepherson	04/02/2011	moving 93 and 87 into warehouse moving 93 and 87 into warehouse	SE S	16.50 16.55 y 16.55 17.00 n	4	odour control and and fresh linen odour control and chlorinated phenol	1 3	5	173	172	39.8 no 58.2 no 71.3 no	no no			no a	adjust odour control				
I Stepherson I Stepherson I Stepherson	04/02/2011 04/02/2011	moving 93 and 87 into warehouse moving 93 and 87 into warehouse	SW W	17.00 17.05 n 17.05 17.10 y		car fumes and veg car fumes and wet veg	0 4		145	184	71.3 no 70.7 no 78.2 no	no no			00 00					
Stephenson Stephenson Stephenson	07/02/2011 07/02/2011	No Works	N NE	10.30 10.35 n 10.35 10.40 y	3	chlorinated phenols	-1 2	3	133.9 21.9	28.5 43.7	63.3 no 72.8 no	no no	clear dear	9.169	no n	10	20 8	SW 4.5 cloudy and wind	8 damp	no odour at church
I Stephenson I Stephenson I Stephenson	07/02/2011 07/02/2011 07/02/2011	No Works No Works No Works	NE1 E SE	10.46 10.50 y 10.50 10.55 n	4	chlorinated phenols	-2 2 3	4	61.2 44.1	58.9 38.3	73.6 no 48.7 no	00	clear clear	9.648	no n no c	to check/activate odour control to	Ħ			
I Stephenson I Stephenson	07/02/2011	The second secon	S SW W	16-02   16-05   16-05   16-05   16-05   16-05   16-05   16-05   16-05   16-05   17-05   16-05   17-05   16-05   17-05	2 4 4	car exhaust emissions car exhaust emissions car exhaust emissions	0 3		78.6	13.2	68.2 no 78.4 no 75.6 no	no no			no n	10	Ħ			
I Stephenson I Stephenson	07/02/2011 07/02/2011 07/02/2011	No Works No Works No Works No Works	NW N	11.15 11.20 n 17.00 17.05 n	ľ		2 2		16.4 73.6	22.9	75.6 no 77.1 no 53.8 no	no no	clear	9.169	00 n	10	18 4	■ 6 sunty	damp	no odour at church
I Stephenson I Stephenson	07/02/2011 07/02/2011 07/02/2011	No Works No Works No Works No Works	NE NE1	17.05 17.10 n 17.10 17.15	-	ethininated phonois	0 2		73.6 104.3	17.8 42.4	55.3 no	00	clear clear clear	0.648	00 00 00 0	to to there when refour control colors	Ħ			
Stanherson	07/02/2011	No Works No Works	SE S	17.20 17.25 y 17.25 17.30 n	3	chlorinated phenois chlorinated phenois	-1 3 3	3	34.8	18.9	58 no 64.1 no	no no		-	no o	check when odour control online check when odour control online to	Ħ			
I Stepherson I Stepherson I Stepherson I Stepherson	07/02/2011 07/02/2011 07/02/2011	No Works No Works No Works No Works	SW W NW	17.30 17.35m 17.35 17.40ly 17.40 17.44 n	3	exhaust fumes ashphalt	-1 4	+1	73.8	11.2	66.7 no 71.9 no 79.5 no	no no			no n	10	Ħ			
Stephenson Stephenson Stephenson	08/02/2011 08/02/2011	No Works Moving 60D into force vern kit Moving 60D into force vern kit Moving 60D into force vern kit	N NE	9.30 9.35 n 9.35 9.40 y	4	chlorinated phenols	-1 2	4			53.8 no 53.3 no	no no	clear dear	9.119	no n	10	3 8	SW 1 clear	0 damp	bonfins smoka odour at church
l Stephenson			NE1 E SE	2.40 2.45 9.45 9.50 y 9.50 9.55 y	3 5	slight sweet chemical odour bonfire smoke	0 2	1			38.4 no 56.2 no	no no	dear	9.628	00 0 00 0	10	H			
l Stephenson I Stephenson	08/02/2011	Moving 60D into force vent kit Moving 60D into force vent kit Moving 60D into force vent kit	SW	9.55 10.00 y 10.05 10.10 y	5	oorfire smoke bonfire smoke bonfire smoke	1 3				46.1 no 55.4 no	no no			no n	10	Ħ			
I Stephenson I Stephenson I Stephenson	08/02/2011	Moving 80D into force want kit Moving 80D into force vant kit Moving bed into force vant kit	W NW N	10.15 10.20 y 15.00 15.05 n		car fumes ashphalt	0 2	-	66.2	48.5	67.7 no 62.8 no 67.3 no	10 10	clear	9.119	no n	10 10	8 5	SSE 8 cloudy	8 damp	na adour at church
I Stepherson I Stepherson	08/02/2011	Moving bed into force vent kit Moving bed into force vent kit	NE NE1	15.05 15.10 y 15.10 15.15	5	hydrocarbon and chlorinated phenols	1 2	5	24.3 16	9.8 21.9	73.7 no	no	dear clear	0.000	no n	10	H			
I Stephenson I Stephenson I Stephenson	08/02/2011 08/02/2011	Moving bed into force vent kit Moving bed into force vent kit Moving bed into force vent kit	SE S	15.20 15.25 n 15.25 15.30 n	1		3 3		23.1	3.4	39.8 no 51.6 no	10	- mail	e-040	no n	10	Ħ			
I Stephenson I Stephenson	08/02/2011	Moving bed into force vent lot Moving heaf into force vent lot	SW W	15.30 15.35 y 15.35 15.40 y 15.40 15.45 y	5 4 4	car exhaust fumes car exhaust and slight TCP Car exhaust emissions	-2 4 -1 4	2	71.4	61.5	74.6 no 73.2 no 62.2 no	no no			00 0	10	Ħ		H	
Stephenson Stephenson Stephenson Stephenson	08/02/2011	Moving bed into force vent kit Moving bed into force vent kit	N NE	17.00 17.05 n 17.05 17.10 n	_		2 2		26.7 82.4	20.7 31.6	58 no 50.4 no	no no	clear	9.119	no n	10	2 5	S 8.1 sunity	1 damp	slight bonfire odour at church
Stephenson	08/02/2011 08/02/2011	Address of the Common of the C	NE1 E SE	10.10 10.16 y 10.15 10.20 y 15.00 15.05 in 15.00 15.05 in 15.01 15.05 in 15.01 15.05 in 15.01 15.05 in 15.01 15.15 in 15.20 15.25 in 15.20 17.05 in 17.00 17.05 in 17.01 17.15 in 17.25 in 17.35 in			2		15.5 53.6	14.2 11.2	42.9 no	no	clear	9.628	no n	10	Ħ		HE	
l Stephenson I Stephenson I Stephenson	08/02/2011 08/02/2011	Moving bed into force were kill Moving TBBB Into Into Moving TBBB Into Into Into Into Into Into Into Into	S SW	17.25 17.30 y 17.30 17.35 n	3	bonfire smoke	1 3	1	24.2	13.1	46.7 no 73.9 no	no no			no n	10	Ħ			
I Stephenson I Stephenson M Alisobroni	08/02/2011 08/02/2011 09/02/2011	Moving bed into force vent kit Moving bed into force vent kit Moving 1869	W NW N	17.35 17.40 y 17.40 17.45 n 16.00 16.05 v	3	chlorinated phenois exhaust fumes	-1 4 2 -1 2	5	71.3 250.4	79.6	68.1 no 82.3 no 62.8 small amoun	no no tino	clear	9.189	no o no n	odour control no itter collected	6	S 11 sun dry	2 div	
M Alisobrook M Alisobrook	09/02/2011 09/02/2011	Moning TBRD	NE NE1	17.40 17.45 h 16.00 17.45 h 16.00 18.05 y 15.43 15.48 y 15.37 15.42 h 15.31 15.35 h 15.25 15.30 y 15.18 15.23 h 15.12 15.17 y 15.08 15.11 h	1	vegetation	1 2	1	73.3 97.6	50.4 75.5	51.8 no	no	clear		no no		Ħ			
M Allsobrook M Allsobrook M Allsobrook M Allsobrook	09/02/2011 09/02/2011	woving 1869 Moving 1869	SE S	15.31 15.36 n 15.25 15.30 y 15.18 15.23 n	-	vegetation	1 3	+	90.9	77.7	40 00 51.7 00 68.7 00	10 10	OMM	p. 628	00 00		Ħ			
M Alisobrook M Alisobrook	09/02/2011	Moving TB60 Moving TB60	ŚW	15.12 15.17 y 15.06 15.11 n	4	traffic fumes	-2 4 4		90.9	53.4	66.7 no 61.1 no 75.1 no	no			no no		H			

M Alladerook (09/02/2011 Moving TBI9) Slaghenson (19/02/2011 Moving 60) lists waterhouse Slaghenson (19/02/2011 Moving 60) lists waterhouse Slaghenson (19/02/2011 Moving 60) lists waterhouse	NW   15.00   15.05 y   2   traffic furnes   N   10.30   10.35 fy   4   fresh finen odour control   NE   10.35   10.40 y   5   wet veg. chlorinted phenolit	1   2   1   0     78.5   1   2   5   0     50.9	no ho dear 9.189 to to	3 S tain 8 wat s	odour of wet veg at the church, no dustmate due to heavy rain
Sasphanson 10022011 Moving 600 into warehouse	NE 10.35 10.49 5 wat vsg, chlorinad phanoti NE1 10.40 10.45 6 E 10.46 10.56 y 5 wet vsg and fisch linen ods SE 10.56 10.55 y 6 wet vsg and fisch linen ods SE 10.55 11.00 4 4 wet vsg and adaphalit	Adout control 1 2 4 0 87.4    Control 1 2 3 0 99.3	no 960 Stear No 90		
Comparison   Com	S 10.55 11.00 4 west veg and adophalt SW 11.00 11.05 y 4 west veg and adophalt W 11.05 11.10 y 5 west tarmac, exhaust fumes	11 3 1 0 48.7 0 4 1 0 98.1 5our control -1 4 2 0 77.8	100 100 100 100 100 100 100 100 100 100		
I Stephenson 10/02/2011 moving termac I Stephenson 10/02/2011 moving termac	NW         11.15         11.20 y         5         west sarmast and ashigheit fur.           N         17.00         17.05 y         5         fresh linen odour control at west veg and odour control.           NE         17.05         17.10 y         4         west veg and odour control.	rs	no n	1.5 8 10 rain-heavy 8 wat s	eet veg & asphalt odour at church, no dustmate due to heavy rair
I Stephenson 10/02/2011 moving stamac   Stephenson 10/02/2011 moving stamac   Stephenson 10/02/2011 moving stamac	NE1 17:10 17:15 E 17:15 17:20 y 6 wet veg SE 17:20 17:25 y 6 wet veg	-1 2 1 0 65.9 -1 3 1 0 70.8	Slear   10 10 10   10   10   10   10   10		
I Sasphenson 1002/2011 Broving samac I Sasphenson 1002/2011 Broving samac I Sasphenson 1002/2011 Broving samac I Sasphenson 1002/2011 Broving samac I Sasphenson 1002/2011 Broving samac	\$ 17.25 17.30 y 5 ext astrohalt and veg. \$W 17.30 17.35 y 4 ext veg and cer fumes  W 17.35 17.40 y 5 ext veg and cer fumes  NW 17.40 17.45 y 4 ext veg and exhaust fumes	11 0 72.1 12 4 1 0 73.5 12 6 1 0 81.8 11 2 1 0 72.4	100 100 100 100 100 100 100 100 100 100		
Stephenson   11/02/2011 moving tarmac     Stephenson   11/02/2011 moving tarmac     Stephenson   11/02/2011 moving tarmac     Stephenson   11/02/2011 moving tarmac	N 9.30 9.36 y 4 ashphalt, wet veg, river NE 9.35 9.40 y 4 wet veg, river, odour control NE1 9.40 9.45	1   2   1   0   28.1   17.7   58   51.9h TCP   0   2   3   0   84.7   36.9   55.8   23.2   22.2	no 10 déar 9.229 no 10 no 10 déar 10.229 no 10 n	1.5 S 10.1 clear 1 wet	no odsur at church
Suspherson 11002/2011 Incoling samsac I Suspherson 11002/2011 Incoling samsac Suspherson 11002/2011 Incoling samsac Suspherson 11002/2011 Incoling samsac Suspherson 11002/2011 Incoling samsac Suspherson 11002/2011 Incoling samsac	90	2 0 34.9 8.2 45.7 0 3 1 0 38.8 3 0 18.5 17 51.1 4 0 72.9	00 H0 clear 9.878 90 H0		
I Stanhanson 11/02/2011 mining samac	W 10.10 10.15 y 2 wet ashphalt slight TCP NW 10.15 10.20 n N 17.00 17.05 y 4 adour control	0 4 2 0 16.8 9.2 76.2 2 0 73.2 1 2 4 0 83.3	100 100 100 100 100 100 100 100 100 100	0.5 S 10 cloudy 6 wat	no oddur at church
Sapphanson   11/02/2011   Sapphanson   11/	NE 17.05 17.10 5 odour control and solvent a NE1 17.01 17.15	1 2 3 0 55.7	no 10 Sear 00 10 10 10 10 10 10 10 10 10 10 10 10		
Staphensen   15002011 moons same:   Staphensen   15002011 moons same:	SE 17.20 17.25ty 3 set vag S 17.25 17.20 10 SW 17.30 17.35 in W 17.35 17.40 in NW 17.45 17.45 in	1 3 1 0 34.6 3 0 67.5 4 0 71.8 4 0 77.8	00 10 10 10 10 10 10 10 10 10 10 10 10 1		
Caspyramous   1902/2011   Sovering servines	17-45   17-45   18-4	0 2 3 0 98.4 84 59.4 11 2 5 0 108.9 49.8 67	100 100 100 100 100 100 100 100 100 100	0.5 SE 6 dear 1 wet 6	church - no odour
	NW 1740 17-60 N 930 2.55 3 440 CC, sight chartost NE 9.30 2.55 5 Security Control of the National Proteins NET 9.40 2.40 5 Security Control of the National Proteins E 9.40 2.50 5 Security Control of the National Proteins E 9.50 2.50 4 Security Control of the National Proteins SE 9.50 1.50 4 Security Control of the National Proteins SE 9.50 1.50 4 Security Control of the National Proteins SE 9.50 1.50 4 Security Control of the National Proteins SE 9.50 1.50 5 Security Control of the National Proteins SE	ols 0 2 3 0 782 16.8 60.9 -11 3 2 0 572			
	S 9.55 10.00 2 wet airphilit SW 10.05 10.10 h W 10.10 10.15 h W 10.15 10.20 4 etherioster phanels	0 3 1 0 17.2 13.5 83.8 4 0 2 73.5 4 0 29.6 17.1 78.3	00 M0 N0		
Suphenson   14002011   Isocovaling in grids H6	Vf         10.10         10.15         4         oborinated phenois           NW         10.15         10.20         4         oborinated phenois           N         17.00         17.00         4         real inen           NE         17.05         17.00         4         real inen           NE1         17.01         17.10         0         obvents and hydrocarbons           NE1         17.10         17.10         NE1         NE1         NE3	1 2 3 5 151 73 20.5 1 2 5 0 104 74 70.2 1 103 93	100 100 100 100 100 100 100 100 100 100	2 S 7.9 dear 1 wet	odour of welt veg and asphalt at the church
I Stephenson 14/02/2011 excavating in grids H6 I Stephenson 14/02/2011 excavating in grids H6	NET 17:0 17:15 E 17:15 17:29 4 Resh Insen 3E 17:20 17:28 5 5 17:29 17:39 5 3W 17:39 17:39 7 3W 17:39 17:39 3 3 Donfrie smoke	1 2 3 5 92 54 47.2 3 5 0 53.1 5 0 84 115 48.9	00 N0 deller (2.678 00 00 00 00 00 00 00 00 00 00 00 00 00		
Sasphenson   1-402/2011 excurating in grids H8	W 17.35 17.40 in NW 17.40 17.45 y 5 fresh linen, car fumes	1	10 10 10 10 10 10 10 10 10 10 10 10 10 1	6 SE 7 dry 6 dry 6	slight pesticides odour on A10 but not considered problematic at the current time
T Walker 15/02/2011 excevating in grids/bed turning/concrete crushing T Walker 15/02/2011 excevating in grids/bed turning/concrete crushing T Walker 15/02/2011 excevating in grids/bed turning/concrete crushing	NE 9.05 9.10 n 1 no odour NE1 9.05 9.10 E 9.10 9.15 n 1 no odour	0 2 1 0 131 56 59 1 13 27 0 2 1 0 96 31 62	no 16 déar 50 10 10 10 10 10 10 10 10 10 10 10 10 10		
TWikes \$500001 issuranting a published transpropriess analysis TWikes \$100001 issuranting a published transpropriess caulating TWikes \$1000001 issuranting neighbold transpropriess caulating TWikes \$10000011 issuranting neighbold transpropriess caulating \$10000011 issuranting neighbold \$100000011 issuranting neighbold \$100000011 issuranting neighbold \$10000000011 issuranting neighbold \$1000000000000000000000000000000000000	V	0 3 1 0 67 0 3 1 0 34 38 78 0 4 1 0 34 71	no 10 90 90 90 90 90 90 90 90 90 90 90 90 90		
Wasker 1502/2011 Israelviran in gradubat unring-concrete oursing     TWaker 1502/2011 Israelviran in gradubat unring-concrete oursing     Stephenson 1502/2011 Israelviran in grids JS & JB bad turning     Stephenson 1502/2011 Israelviran in grids JS & JB bad turning     Stephenson 1502/2011 Israelviran in grids JS & JB bad turning	W   9.30   9.35 y   3   5690-066	1 4 5 0 741 101 601 1 2 3 0 370 139 65.8 2 0 370 139 65.8	00 10 10 10 10 10 10 10 10 10 10 10 10 1	12 SE 6 drizzlia 8 wat	Bonfire odcur and wet veg at church
United States (1990) Instruction of the Ambient American Conference Conferenc	NE1 17:10 17:15 E 17:15 17:20 h SE 17:20 17:25 h	2 0 102 53.9 2 0 102 82.9 52.3 3 5 5 51.9	00.02 00.02 00 00 00 00 00 00 00 00 00 00 00 00 0		
Stephenson   55022011   accovating in grids JS ALF bed turning   Stephenson   155022011   accovating in grids JS ALF bed turning   Stephenson   155022011   accovating in grids JS ALF bed turning   Stephenson   155022011   accovating in grids JS ALF bed turning	S 17.25 17.30 y 4 bonfine amoke SW 17.30 17.35 y 5 bonfine smoke ashphalt fun W 17.35 17.40 y 4 wat ashphalt and car fume	2 3 1 0 91.6 163.7 165.3 a 1 4 1 0 500.8 137.6 76.2	00 10 10 10 10 10 10 10 10 10 10 10 10 1		
Suphaneon 15002011 accenting mg/ss 3 ABARbet turning Twalawar 16002011 accenting mg/ss 3 ABARbet turning	NE 10.35 10.40 n 1 odour control NE1 10.35 10.40	0 2 1 0 0 72.4 11 2 3 0 220 226 60 0 2 1 0 415 118 60	100 100 100 100 100 100 100 100 100 100	5 SW 8.9 dry 3 dry	
TWalker 16/02/2011 excavating in grids/bed turning/concrete crushing	E 10.40 10.45 n 1 no odour SE 10.45 10.50 n 1 no odour S 10.50 10.55 n 1 no odour	0 2 1 0 401 170 68 0 3 1 0 50 0 3 1 0 327 170 57	no no dear 9.636 no		
TWIST STATES AND STATE	\$ 10.50 10.50 1 1 0 0.004	0 4 1 0 65 0 4 1 0 253 228 77 0 2 1 0 76	00 10 10 10 10 10 10 10 10 10 10 10 10 1		
Finales 10000718 leasurage jar plathet immigraceurs undergi (100004 10000718 leasurage) are plathet immigraceurs undergi (100004 10000718 leasurage) are plathet immigraceurs undergi Finales 10000718 leasurage jar plathet immigraceurs undergi (10000718 leasurage) are plathet immigraceurs undergi	W	1 2 5 0 146 187 62 10 107 107 107 107 107 107 107 107 107 1	100 100 100 100 100 100 100 100 100 100	o on o oy o	
T Walker 1602/2011 excessing in gridsbed surringloconcels crushing	SE 15.20 15.25 h 1 no odour  S 15.25 15.30 h 1 no odour  SW 15.30 15.36 h 1 no odour  W 15.35 15.40 h 1 no odour	0 2 1 0 105 97 71 0 3 1 0 82 0 3 1 0 216 86 74 0 4 1 0 73	00 10 00 00 00 00 00 00 00 00 00 00 00 0		
Wakee 1602/2011 Recording in gridshed surring/concesse crushing     Wakee 1602/2011 Recording in gridshed surring/concesse crushing     Wakee 1702/2011 Recording in gridshed surring/concesse crushing     Wakee 1702/2011 Recording in gridshed surring/concesse crushing     Wakee 1702/2011 Recording in gridshed surring/concesse crushing	W 15.36 15.40 h 1 so odour  NW 15.40 15.45 h 1 so odour  N 9.30 9.35 h 1 so odour  NE 9.35 9.40 h 1 so odour	0 4 1 0 202 141 72 0 2 1 0 20 2 1 0 57 56	no	5 SW 9 dry 3 dry	astrong adour on S/SW corner of site on church road moved fagger onto church road/A10 corner to prevent
T Walker 17/02/2011 Inconvising in grids/bed turning/concrete crushing	N   9.00   9.00   1   10 colour     N   9.00   10   10   10   10   10   10   10	2 1 0 208 61 62 154 41 2 1 0 108 71 61	no 10 5647 00 10 10 10 10 10 10 10 10 10 10 10 10		
T Walker 17/02/2011 excavating in grids/bed turning/concrete crushing T Walker 17/02/2011 excavating in grids/bed turning/concrete crushing	SW 10.05 10.10 y 4 tophoe	3 1 0 71 2 3 5 0 121 86 70 2 4 5 0 60	00 10 10 10 10 10 10 10 10 10 10 10 10 1		
T Walker 17002011 Incovering in gridsched surring/concrete crushing T Walker 170020011 Executating in gridsched surring/concrete crushing T Walker 170020011 Executating in gridsched surring/concrete crushing I Sapphenson 170020011 Executating in grids 35/36 Sapphenson 170020011 Executating in grids 35/36	W 10.10   10.15 in 1 no odour  NW 10.15   10.20 in 1 no odour  N 15.00   15.05 in   no odour  NE 15.20   15.25 y 2 Fresh linen OC  NE1   15.20   15.25	2 1 0 114 106 65 2 1 0 65 2 2 0 66.1	100 100 100 100 100 100 100 100 100 100	0 NNW 5.7 clear 4 wat s	smell of fresh linen down southern boundary with church lane. No odour at the churc
Stupherson   17/02/2011   Excevating in grids JSU8     Stupherson   17/02/2011   Excevating in grids JSU8     Stupherson   17/02/2011   Excevating in grids JSU8	NE1 15.15 15.20 E 15.20 15.25 n SE 15.25 15.30 y 5 Fresh linen OC	2 0 54.4 1 3 5 0 53.8	00 10 10 10 10 10 10 10 10 10 10 10 10 1		
Blaspherson   1790/2011   Secarating in grids JSU8     Blasphers	S 15.30 15.35 y 3 Bonline small, fresh linen C SW 15.35 15.40 y 3 Veg, car fumes, chamical c W 15.40 15.45 y 3 Vegetation and car fumes	11 3 3 0 52.4 00 4 2 0 66.6 0 4 1 0 76.6	00 10 10 10 10 10 10 10 10 10 10 10 10 1		
Stephenson   1702/2011   Excavating in grids JSU8     T Walker   1502/2011   Incurvating in grids bed turning/concess crushing     T Walker   1802/2011   Incurvating in grids bed turning/concess crushing     T Walker   1802/2011   Incurvating in grids bed turning/concess crushing     T Walker   1802/2011   Incurvating in grids bed turning/concess crushing     T Walker   1802/2011   Incurvating in grids bed turning/concess crushing     Walker   1802/2011   Walker     Walker   1802/2011   Wal	N 2.15 9.20 n 1 no odour NE 2.10 9.15 n 1 no odour NE 2.10 9.15 n 1 no odour	2 1 0 302 210 30 2 1 0 342 122 57 2 1 0 342 105 57	100 100 100 100 100 100 100 100 100 100	5.9 SW 7 dry 8 dry	slight smell on A10 of pesticides but nothing to cause offence
T Walker 18/02/2011 excevating in grids-bed turning/concrete crushing T Walker 18/02/2011 excevating in grids-bed turning/concrete crushing	1.1   1.2	2 1 0 494 202 62 3 1 0 494 202 62 3 1 0 534 284 61	no to dear 0.653 no		
T Walker 18/02/2011 excavating in grids/bed turning/concrete crushing	SW 9.35 9.40 h 1 to odour W 9.40 9.41 y 3 pasticides NW 9.05 9.10 y 3 odour control	-1 4 1 0 24 119 70 -1 4 5 0 224 119 70 -1 2 5 0 55	70 70 70 70 70 70 70 70 70 70 70 70 70 7		
T Walker 1802/2011 accessering in getablead surring/concrete cousting T Walker 1802/2011 excessing in getablead surring/concrete cousting T Walker 1802/2011 excessing in getablead surring/concrete cousting	N 15.00 15.05m 1 no odour	2 1 0 124 58 58 58 2 1 0 246 111 51 512 240	no no dear 9.191 no no no no dear 9.191 no	6.7 SE 5 dry 8 dry 9	Pessicide odour at gate on the A10 is noticeable but a ruisance. Foggers and odour suppressant in this area
Title 40000001	Met   15.00   15.19   No colour   No col	2 1 0 346 107 72 3 1 0 47 3 1 0 106 96 52	no ho dear 9.633 ho no		
TWikker 18022011 standarding girlished bringscrosse cashing girlished bringscrosse cashing girlished bringscrosse cashing	NW 15.35 15.40 y 3 pesticides/TCE N 8.00 8.05 n	-1 4 5 0 110 83 61 -1 4 5 0 110 83 61 -2 2 5 0 65 2 1 0 225 287 68.1	00 No	8 SE 4.6 Idoudy 8 damp	no odour at church
Stephenson   21/02/2011 Excavating in grids J5	NE1 8.10 8.15 E 8.15 8.20 n	0 2 1 0 216 255 50 2 2 239 228 2 0 249 232 45 2	no 10 dear 10 10 10 10 10 10 10 10 10 10 10 10 10		
Sisphenson   2102/2011   Biceviating in grids 15	SE         8.20         8.25 y         3         woll vsg           S         8.26         8.39 y         3         woll vsg           SW         8.20         8.35 y         4         car furnes and rest vsg           W         8.35         8.40 y         4         car furnes and salphalt           WW         8.40         8.45 y         4         car furnes and salphalt	0 3 1 0 50.3 0 3 1 0 222 200 61.5 -1 4 1 0 183 240 78.3	700 100 100 100 100 100 100 100 100 100		
Stephenson   21/02/2011 Excevating in grids JS     Stephenson   21/02/2011 Excevating in grids JS, bed turning 130,137. Mushroom compost on site   Stephenson   21/02/2011 Excevating in grids JS, bed turning 130,137. Mushroom compost on site   Stephenson   21/02/2011 Excevating in grids JS, bed turning 130,137. Mushroom compost on site	NE 17.05 17.10 n	-1   1   1   1   163   240   76.3   17	no ho dear 10.789 no ho no ho no ho ho	2.6 SE 9.9 cloudy 8 damp 6	sorfire small at church
Stephenson 21/02/2011 Excavating in grids J5, bed turning 130,137. Mushroom compost on site     Stephenson 21/02/2011 Excavating in grids J5, bed turning 130,137. Mushroom compost on site	NET 17.10 17.15 E 17.15 17.20 o	2 0 214 211 202 55.9 3 0 213 202 47.7			
Suphenson 24002011 Excusting in grids JS, but turring \$30.137. Mathroom compost on site Suphenson 24002011 Excusting in grids JS, but turring \$30.377. Mathroom compost on site Suphenson 24002011 Excusting in grids JS, but turring \$30.377. Mathroom compost on site Suphenson 24002011 Excusting in grids JS, but turring \$30.377. Mathroom compost on site Suphenson 24002011 Excusting in grids JS, but turring \$30.377. Mathroom compost on site Suphenson 24002011 Excusting in grids JS, but turring \$30.377. Mathroom compost on site \$30.00000000000000000000000000000000000	SE   17:20   17:25	9 201 181 55.6 0 4 5 0 17.7 1 4 1 0 307 194 71.2 1 2 4 0 71.1	704		
T Waker 22(02/2011 excessing in gridsbut surring/concete crushing T Waker 22(02/2011 excessing in gridsbut surring/concete crushing	N 11.00 11.05 y 2 sodour control NE 11.05 11.10 n 1 no odour	1 2 5 0 326 261 68 0 2 1 0 375 298 66	no no dear 9.208 no no no no dear no no	6 SW 9 dry 8 dry	

T Walker 22	2/02/2011 4	axcavating in grids/bad turning/concrete crushing axcavating in grids/bad turning/concrete crushing axcavating in grids/bad turning/concrete crushing	NE1	11.05	1.10				428	289		clear		no	ng						
T Walker 22	2/02/2011 4	exceveting in grids/bed turning/concrete crushing	E	11.10	1.15 n 1	no odour	0	2 1	0 516	395 56	no no	2 dear	9.649	no	10						
T Walker 22	2/02/2011 4	excevating in grids/bed turning/concrete crushing	SE	11.15	1.20 n 1	no odour	0	3 1	0	47	no no	2		no	no						
T Walker 22	2/02/2011	axcavating in grids/bed turning/concrete crushing	8	11.20	125 n 1	no odour	0	3 1	0 319	269 52	00 00			00	00						
T Walker 22	2/02/2011	accavating in grids/bed turning/concrete crushing	SW	11.25	130 0 1	no odour	0	4 1	0	40	00 00	1		00	00						
T Walker 22	2/02/2011	excevating in grids/bed turning/concrete crushing	W	11.30	135 6 1	no odour	0	4 1	0 453	249 63	00 00	1		00	00						
T Walker 22	210222011	excevating in grids/bed turning/concrete crushing	NEW	11.35		no odour	-	9 4	0	69	00 00			0.0	20	_	_		_		
T Walker 22	2002/2011	securation in mid-had turning/concern courting	M	17.00	7.05 6 5	no odour	0	2 1	ő	50	00 00	) dear	9.208	00	20	Cu	w 6	de		day	
T Walker 22	2002/2011	excavating in grids/bed turning/concrete crushing excavating in grids/bed turning/concrete crushing	ME	17.05	7.10 6	no odour	0	2 1	ő	69	00 00	) dear	2.200	100	20			ury	-	u.y	
T Walker 22	C-00/2011 N	acuracy in grouped curring-concein crowing	146	17.10	7.1011	10 00001	-	*		20	110	U CHAI		110		_			_		
T Walker 22	202/2011 4	excevering in grids/bed turning/concrete crushing	NE I	17.10	7.13		_					CHAI	9.649	no	10	_			_		
T Walker 22	202/2011 4	excavating in grids/bed turning/concrete crushing	E	17.15	7.20011	no odour no odour	9	4		61	110 110	O GMAT	9.049	110	10	_			_		
Walker 22	2/02/2011 e	excavating in grids/bed turning/concrete crushing	SE	17.20	7.25 n 1		0	3 1	0	60	no no	0		no	no				_		
T Walker 22	2/02/2011 e	excavating in grids/bed turning/concrete crushing	S	17.25	7.30 n 1	no odour	0	3 1	0	62	no no	0		no	no				_		
T Walker 22	2/02/2011 e	excavating in grids/bed turning/concrete crushing	SW	17.30	7.35 n 1	no odour	0	4 1	0	64	no no	0		no	no				_		
T Walker 22	2/02/2011 e	excevating in grids/bed turning/concrete crushing	W	17.35	7.40 n 1	no odour	0	4 1	0	59	no no	0		no	no						
T Walker 22	2/02/2011 e	excevating in grids/bed turning/concrete crushing	NW	17.40	7.45 n 1	no odour	0	2 1	0	58	no no	0		no	10						
T Walker 23	3/02/2011 e	excevating in grids/bed turning/concrete crushing	N	13.00		no odour	0	2 1	0	52	no no	o dear	9.213	no	10 5	SE		rain	3	wet	dust sampling not done due to heavy rais
T Walker 23		axcavating in grids/bed turning/concrete crushing	NE	13.05	3.10 n 1	odour control	1	2 5	0	60	no no	o dear		no	no						
	3/02/2011 4	axcavating in grids/bed turning/concrete crushing	NE1	13.10								clear		no	no						
T Walker 23	3/02/2011 4	excevating in grids/bed turning/concrete crushing	E	13.15	3.20 n 1	odour control	1	2 5	0	53	no no	2 dear	9.645	no	10						
T Walker 23	3/02/2011 4	exceveting in grids/bed turning/concrete crushing	SE	13.20	3.25 n 1	no odour	1	3 1	0	52	no no	2		no	10						
T Walker 23	3/02/2011 4	accavating in grids/bed turning/concrete crushing accavating in grids/bed turning/concrete crushing	S	13.25	3.30 n 1	no odour	- 1	3 1	0	56	00 00	2		no	no						
T Walker 23	3/02/2011	excevating in grids/bed turning/concrete crushing	8W	13.30	3.35 n 1	no odour	1	4 1	0	52	00 00			00	00						
T Walker 23		exprovation in mids/had turning/concrete coushing	W	13.35	3.40 n 1	no odour	1	4 1	0	58	00 00	1		00	00						
T Walker 25	302/2011 6	excavating in grids/bed turning/concrete crushing excavating in grids/bed turning/concrete crushing	NW	12.55	300 n 1	no odour	- 0	2 1	n e	50	00 00			00	no.	_	_		_		
I Sweborcon 20	20222011	no works due to rain	M	17.25	7.90 6			9	0	53.1	00 00	s dear	9.213	000	0.0	Cu	M 0.3	rain		and the	smell of wet veg at church
Stephenson 23	210022011	to works due to rain	100	17.23	7.00	odour control, wet timber (bridge)				52.8		- John	P.A.13	110		- 01		tax:	-	mu.	
Stephenson 23	2102/2011 0	to works due to nam	NET	17.20	7.30	populi conico, wei afficial (chiqge)				32.0	- N	olov		200	90	_	_	+	+		
Stepherson 2:			NE I							45.7		CHAF	9.645	10		-	-		+		
Downton 23	2/02/2011 if	to works due to rain	e e	17.10	7.13(1)	and the second order or constant		6 0	0	45.7		o clear	V.040	no	10	_	_		+		
Stepherson 23	2/02/2011 in	no works due to rain no works due to rain	oc.			wet veg and odour control		3 3	0	50 57.8		90		no	10	_	_		+		North and the same of the control for an architecture of the same
Stephenson 23			5	17.00		diesel/petrol fuel		3 1	ν			0		110	no .	_			+		Diesel/petrol fuel adour coming from cambs farm machinery/organic food shop
Stephenson 23	s/02/2011 in	no works due to rain	SW	16.55		wet ashphalt	10	4 1	0	72.3		0		no	no	_			+		1
Stephenson 23	s/02/2011 in	no works due to rain	W	16.50		wet ashphalt and car fumes		j4  1	0	83.1		0		no	no	_			+		1
Stephenson 23	3/02/2011 n	no works due to rain	NW	16.45	6.50 y 3	damp ashphalt	-1	2 1	0	82.4		0		no	no						
T Walker 24		excevating in grids/bed turning/concrete crushing	N	9.05	9.10 n 1	no odour	0	2 1	10	53	clear no	o dear	9.218	no	no 1	SV	V 9	dry	13	dry	
T Walker 24	4/02/2011 a		NE			odour control		2 5	0	61	clear no	o dear		no	no	$\boldsymbol{\bot}$	$\equiv$		-		
T Walker 24	4/02/2011 4	excavating in grids/bed turning/concrete crushing	NE1	9.15	9.20							clear		no	no	$\neg$	$\neg$	1			
			E	9.20	9.25 n 1	no odour	0	2 1	0	64	clear no	o doudy	9.639	no	no						
T Walker 24	4/02/2011 N	excevating in grids/bed turning/concrete crushing	SE	9.25	9.30 n 1	no odour	0	3 1	0	67	clear no	2		no	ne				-		
T Walker 24	4/02/2011	excavating in grids/bed turning/concrete crushing	S	9.30	9.35 n	no odour	i i	3	0	25	clear no	2		00	no		-t	1			
T Walker 24	110022011	excavating in grids/bed turning/concrete crushing	OW	9.35	0.60 6	no odour	-	4 1	0	70	clear no			0.0	20	_	_		_		
T Walker 24	LID2/2011	excavating in grids/bed turning/concrete crushing	w	9.45	9.500 6	no odour	ň	12 1	6	70	clear no			00	90	-	-				1
T Walker 24	102/2011 e	atowaing in grossbed turning-concrete crosning	***	9.40	9.50 n i	no odour	9		0	71	Chief No.	0		no	no .	_	_		_		
T Walker 24	402/2011 N	excevating in grids/bed turning/concrete crushing excevating in grids/bed turning/concrete crushing	New	16.30		no odour	9	2 1	0 905	400	CHART INC	O desident	dy 9.218	no	10	-		dry	_	44.	
	402/2011 6	atowaing in grouped turning/concrete crosning	N .	16.30	0.30 ft			4	0 305	120 03	no no	d douby sits	12 10 12 10 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	no	10 3	DV	v 10	dry	3	ay	
T Walker 24 T Walker 24	402/2011 6	excavating in grids/bed turning/concrete crushing	NE			no odour	0	2 1	0 246	121 56	no no	io slightly do	idy	no	10	_	_		_		
I Walker 24	402/2011 e	excevating in grids/bed turning/concrete crushing	NE1	16.35	6.40					37				no	no				_		
		excevening in grids/bed turning/concrete crushing	E	16.40		odour control-top	-1	2 5	0 104	63 61	no no	o slightly do	dy 9.639	no	no						
T Walker 24	4/02/2011 e	excavating in grids/bed turning/concrete crushing	SE	16.45	6.50 n 1	no odour	0	3 1	0	57	no no	0		no	10						
	4/02/2011 e	excavating in grids/bed turning/concrete crushing excavating in grids/bed turning/concrete crushing	S	16.50	6.55 n 1	no odour	0	3 1	0 143	27 61	no no	0		no	no						
T Walker 24	402/2011 e	excavating in grids/bed turning/concrete crushing	SW	16.55	7.00 n 1	wood smoke		4 1													
						odour control	0	4 1	0 184	146 69	00 00			00	no	_					
I Walker 24 T Walker 24	402/2011 e 402/2011 e	excevating in grids/bed turning/concrete crushing	NW	17.00	7.05 y 2 7.10 n 1	odour control	0	4 1	0 184	146 69 71	no no	0		00	100				_		
T Walker 24 T Walker 24	402/2011 e	excavating in grast-bad turning-concrete crushing excavating in grids/bad turning/concrete crushing	NW	17.00	7.05ly 2 7.10 n 1		0	4 1 2 1	0 184	148 69 71	00 00 00 00	0		no no	no no						Elevated PID readings at Mil House footbath ranging up to 1.0cm; Foogar moved down to cover the area.
T Walker 24	402/2011 e	excavating in grids/bed turning/concrete crushing	NW NW	17.05	7.05y 2 7.10 n 1	no odour	0	2 1	0 184	146 69 71	00 00 00 00	a clear	9 219	00	00 00	SW	v 10	do	7	dev	Elevated PID readings at Mill House footpath sanging up to 1.0ppm Fogger moved down to cover the area. Readings are very intermittent and reduced with fooser, work was confinued.
T Walker 24	402/2011 e	excavating in grids/bad turning/concrete crushing excavating in grids/bad turning/concrete crushing	NW NW	17.05	7.10 n 1 8.35 y 6	no odour thinners/solvent	3	4 1 2 1 2 5	1 246	146 69 71 104 56 72 41	60 60 60 60	o dear	9.209	00 00 00	no no no	SW	V 10	dry	7	dry	Elevated PID readings at Mill House footpath ranging up to 1.0ppm Foggar moved down to cover the area. Readings are very intermittent and reduced with fogger, work was continued.
T Walker 24	402/2011 e	excavating in grids/bed turning/concrete crushing excavating in grids/bed turning/concrete crushing excavating in grids/bed turning/concrete crushing	N N NE NE	17.05 8.30 8.35	7.10 n 1 8.35 y 6 8.40 y 3	no odour	0 0 -3 -2	4 1 2 1 2 5 2 5	0 184 0 1 246 0.5-0.7 189	146 89 71 104 56 72 41 96	00 00 00 00 00 00	o dear	9.209	00 00 00 00	100 100 100 100 100	SW	V 10	dry	7	dry	Elevated PID readings at Mil House footpath ranging up to 1.0ppm Foggar moved down to cover the area. Readings are very intermitant and reduced with foggar, work was continued.
T Walker 25 T Walker 25 T Walker 25 T Walker 25	402/2011 e	excavating in grids/bad turning/concrete crushing	NW NE NE	17.05 8.30 8.35 8.35	7.10 n 1 8.35 y 6 8.40 y 3	no odour thinners/solvent thinners/pasticides	0 0 -3 -2	2 5 2 5	0 1 246 0.5-0.7 189	146 89 71 104 56 72 41 36 50 50 50 50 50 50 50 50 50 50 50 50 50	00 00 00 00 00 00	o clear o clear clear	9.209	00 00 00 00 00	00 00 00 00 00 00	SW			7	dey	Exvisted PID readings at MII House loopsuft ranging up to 1.0ppm Fogger moved drem to cover the area. Readings are very intermittent and reduced with logger, work was continued.
T Walker 25 T Walker 25 T Walker 25 T Walker 25 T Walker 25	402/2011 e	excavating in gridshed turningleoncreate crushing excavating in gridshed turningleoncreate crushing excavating in gridshed turningleoncreate crushing excavating in gridshed turningleoncreate crushing excavating in gridshed turningleonceate crushing excavating in gridshed turningleonceate crushing	N NE NE NE1 E	8.30 8.35 8.35 8.40	7.10 n 1 8.35 y 6 8.40 y 3 8.40 n 1	no odour thinners/solvent thinners/pasticides	0 0 -3 -2	2 5 2 5 2 5	0 1 246 0.5-0.7 189	146 69 71 104 56 72 41 36 58 58 58	00 00 00 00 00 00 00 00	o dear o dear o dear o dear	9.209	00 00 00 00 00	100 80 80 100 100 100 100 100 100 100 10	SV	V 10		7	dry	Several PIC readings at MIII House torques renging up to 1 (ppm Figger moved down to cover the area. Readings are very intermittent and reduced with fingser, work was continued.
T Walker 25	5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e	excessiving in gridsthed sumingleoncease crushing accessiving in gridsthed sumingleoncease crushing accessive contractions.	N NE NE1 E SE	8.30 8.35 8.35 8.40 8.45	7.10 h 1 8.35 y 6 8.40 y 3 8.40 h 1 8.50 h 1	no odour thinners/solvent thinners/pasticides the odour no odour	3 -3 -2	4 1 2 1 2 5 2 5 2 5	0 1 246 0.5-0.7 180 105 0 87	146 69 71 104 56 72 41 36 26 58 46 99 61	00 100 00 100 00 100 00 100 100 100	0 dear 0 dear 0 dear 0 dear	9.209	no no no no no no	60 60 60 60 60 60 60 60 60 60 60 60 60 6	SV			7	dry	Sworted PD readings at MR Proute floopseth ranging up to 1 (agent Program record down to cover the area. Readings are vary intermittent and reduced with flogger, work was continued.
T Walker 25	5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e	accounting in gristished turning/concrete crushing	W NW NE NE1 E SE S	8.30 8.35 8.35 8.40 8.46 8.50	7.10 h 1 8.35 y 6 8.40 y 3 8.40 h 1 8.50 h 1	no adour thinners/solvent thinners/pastoides no adour no adour no adour no adour	3 -2 0 0	2 5 2 5 2 5 2 1 3 1	0 1 246 0.5-0.7 189	36 26 58 46	00 00 00 00 00 00 00 00 00 00 00 00 00 00	0 dear of dear	9.209	no no no no no no no	50 50 50 50 50 50 50 50 50 50 50 50 50 5	SV			7	dry	Excelled PIO readings at MII House beginning from 1 figure Froger moved down to cover the area. Headings are very intermitten and reduced with flagor, work was continued.
T Walker 2:	5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e 5/02/2011 e	accoration in defaulted turning/concesse coustring accorating in defaulted turning/concesse coustring	W NW N NE NE1 E SE S SW	8.30 8.35 8.35 8.40 8.45 8.50	7.10 n 3 8.35 y 6 8.40 y 3 8.40 8 8.50 n 1 8.50 n 1 9.00 n 1	no adour thinners/solvent thinners/pessoides the adour no adour no adour no adour no adour no adour no adour	0 0 -3 -2 0 0 0	2 5 2 5 2 5 2 5 3 1 3 1	0 1 246 0.5-0.7 189 105 0 87 0 78	36 26 58 46	00 100 100 100 100 100 100 100 100 100	0 dear 0 dear 0 dear 0 dear 0 dear	9.209	no no no no no no no no	50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	SV			7	dry	Evenue InfO readings at MR House location reaging up to 1 (type Flogor moved down to cover the area. Readings are very insumitated and reutural with flogor, work was continued.
T Walker 25	5/02/2011 o 5/02/2011 o 5/02/2011 o 5/02/2011 o 5/02/2011 o 5/02/2011 o 5/02/2011 o 5/02/2011 o	excerniting in pridicited turning/concesse counting secondaria pridicited turning/concess counting	W NW N NE NE1 E SE S S SW W	17.05 8.30 8.35 8.35 8.40 8.45 8.50 8.50	7.10 n 1 8.35 v 6 8.40 v 3 8.41 s 5 8.45 n 1 8.50 n 1 8.55 n 1 9.00 n 1	no odour thinners/solvent thinners/solvent thinners/pusicides the odour the odour the odour the odour the odour	0 0 3 -3 -2 0 0 0 0	2 5 2 5 2 5 2 5 3 1 3 1	0 1 246 0.5-0.7 180 105 0 87	36 26 58 46	100 100 100 100 100 100 100 100 100 100	0 dear dear dear dear dear dear dear dear	9.209	00 00 00 00 00 00 00 00 00 00	50 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	SV			7	dry	Swated PD neddings at MRProses forgish language to 1.0 ppm Flagger moved down to cover the area. Radding are very insumitates and reduced with flagger, work was continued.
T Walker 2: T Walker 2:	N02/2011 6 S/02/2011 6 S/02/2011 6 S/02/2011 6 S/02/2011 6 S/02/2011 6 S/02/2011 6 S/02/2011 6 S/02/2011 6 S/02/2011 6	securities problem templopocoreas coulting securities problem tem	W NW NE NE1 E SE SE SW W	8.30 8.35 8.35 8.40 8.45 8.50 8.50 9.00	7.10 n 1 8.35 y 6 8.40 y 3 8.45 n 1 8.45 n 1 8.55 n 1 9.00 n 1 9.00 n 1	na odour #innervisolvene #inne	0 0 3 -2 2 0 0 0 0	2 5 2 5 2 5 3 1 3 1 4 1 2 1	0 1 246 0.5-0.7 129 105 0 87 0 78 0 114	36 58 46 32 61 60 56 66 72	00 00 00 00 00 00 00 00 00 00	0 dear 0		00 00 00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00 00 00 00 00 00	SW			7	day	Readings are very infermittent and reduced with fingiler, work was continued.
T Walker 2: T Walker 3: T Walk	802/2011 a 502/2011 a 502/2011 a 502/2011 a 502/2011 a 502/2011 a 502/2011 a 502/2011 a 502/2011 a 502/2011 a	scenaria problem la minigiocone contra scenaria problem la minigio contra scenaria scenaria problem la minigio contra scenaria scena	W NW NE NE1 E SE S S W W NW N	8.30 8.35 8.35 8.40 8.45 8.50 8.50 9.00	7.10 n 1 8.35 y 6 8.40 y 3 8.45 n 1 8.45 n 1 8.55 n 1 9.00 n 1 9.00 n 1	no odour thinners/solvent thinners/solvent thinners/pusicides the odour the odour the odour the odour the odour	0 0 0 3 -2 0 0 0 0 0	2 5 2 5 2 5 2 1 3 1 3 1 4 1 4 1 2 5	0 1 246 0.5-0.7 199 105 0 87 0 78 0 78 0 114 0 28.1	36 58 46 32 61 60 56 68 72 74.9 54.2	00 00 00 00 00 00 00 00 00 00	0 dear 0 dear 0 dear 0 dear 0 dear 0 dear	9.209	00 00 00 00 00 00 00 00 00 00 00 00 00	50 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SW			7	dry	Except PD readings at MR House togeth reaging up to 1 Signif Figger moved down to color the area.  Reading are very retermined and related with Rigger, with was continued.  Solidary and work of the second
T Walker 2:  I Sacpherson 2:  I Sacpherson 2:	\$02/2011 a \$02/2011 a	securation in existent innegleptoress coulding security in particular interpretation of the country security in particular in particular interpretation coulding security in paticular interpretation could security in paticular in	W NW NE NE1 E SE S SW W W NW NE	8.30 8.35 8.35 8.40 8.45 8.50 8.55 9.00 9.05 11.10	7.10 in 3 3.35 y 6 8.40 y 3 8.40 y 3 8.45 in 1 8.50 in 1 8.50 in 1 9.00 in 1 9.00 in 1 9.10 in 1 9.11 in 5	na odour #innervisolvene #inne	0 0 3 -2 0 0 0 0 0 0	2 5 2 5 2 5 2 5 2 1 3 1 3 1 4 1 2 1 2 1	0 1 246 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	74.9 542.2 103.4 60	00 00 00 00 00 00 00 00 00 00	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		00 00 00 00 00 00 00 00 00 00 00 00 00	50 50 50 50 50 50 50 50 50 50 50 50 50 5	SW			7	dry	Readings are very infermittent and reduced with fingiler, work was continued.
T Walker 2: I Sagherson 3: I Sagh	502/2011 a 502/2011 a	assessment in pridictude timologicomena conductu securitaria principal del principal control conductude securitaria principal cond	W NW NE NE1 E SE S S SW W NW NW NE1	8.30 8.35 8.35 8.40 8.45 8.50 9.00 9.05 11.10 11.05	7.10 fs 1 8.55 y 8 8.40 y 3 8.40 s 1 8.45 n 1 8.55 n 1 9.00 n 1 9.00 n 1 9.00 n 1 1.10 n 1 1.	na odour #innervisolvene #inne	0 0 0 3 -2 0 0 0 0 0 0 0 0	4 1 2 1 2 5 2 5 2 5 2 1 3 1 3 1 4 1 2 1 2 5	0 1 248 0.5-0.7 189 105 0 3 87 0 78 0 114 0 0 114 0 0 97.4 0 95.4	74.9 54.2 103.4 60 42.4	No	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9.209	90 90 90 90 90 90 90 90 90 90 90 90	60 80 80 80 80 80 80 80 80 80 80 80 80 80	SW			7	dry	Readings are very infermittent and reduced with fingiler, work was continued.
T Walker 2:  I Salpherson 2:  I Stephenson 2:  I Stephenson 2:  I Stephenson 3:	802/2011 a 502/2011 a	exception in prighted temporare contribu- sessments in prighted temporare contribu- tion of the contribution of the contribution of the contribution contribution of the contribution of t	W NW NE NE1 E SE S S W W NW N NE1 E	8.30 8.35 8.35 8.40 8.45 8.50 8.55 9.00 11.10 11.05	7.10 in 1 8.35 y 6 8.40 y 3 8.40 y 3 8.40 in 1 8.45 in 1 8.50 in 1 8.55 in 1 9.05 in 1 9.05 in 1 1.15 y 5 1.15 y 5 1.05 in 1 1.05 in 1 1.05 in 1 1.05 in 1	No obser  Shonari Universit  Shonari Universit  No obser  No obser	0 0 3 -2 0 0 0 0 0 0 0	4 1 2 1 2 5 2 5 2 5 1 3 1 1 3 1 1 4 1 1 2 1 1 4 1 1 2 2 1 5 2 5 2 2 5 2 5 2 5 2 5 5 2 5 5 5 5	0 1 246 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	78 98 98 98 98 98 98 98 98 98 98 98 98 98	100 116 100 116 100 116 100 116 100 116 100 116 100 116	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		90 90 90 90 90 90 90 90 90 90 90 90 90 9	60 60 60 60 60 60 60 60 60 60 60 60 60 6	SVI			7	dry	Readings are very infermittent and reduced with fingiler, work was continued.
T Walker 2:  I Salpherson 2:  I Stephenson 2:  I Stephenson 2:  I Stephenson 3:	802/2011 a 502/2011 a	exception in prighted temporare contribu- sessments in prighted temporare contribu- tion of the contribution of the contribution of the contribution contribution of the contribution of t	W NW NE NE1 E SE SW W NW NE NE1 NE	8.30 8.35 8.35 8.40 8.50 8.50 8.50 9.00 11.10 11.05 11.00	7.10 h 1 8.35 y 6 8.40 y 3 8.40 y 3 8.40 h 3 8.45 h 1 8.50 h 1 8.55 h 1 9.00 h 1 1.15 y 5 1.10 h 1 1.15 y 5 1.10 h 1 1.05 h 3 1.00 h 0 1.00 h 0 5.55 y 3 3	No obour  Niverantipoded  Niverantipoded  Niverantipoded  No obour  No obour	0 0 0 3 -2 0 0 0 0 0 0 0 0 0 2	4 1 2 1 2 5 2 5 2 5 2 5 3 1 3 1 4 1 4 1 2 1 2 5 2 1 3 1 3 1 4 1 2 1 2 5	0 1 248 0.5-0.7 189 105 0 3 87 0 78 0 114 0 28.1 0 97.4 0 87.3 0 87.3	26 58 66 32 61 60 72 74.9 54.2 4 99.9 52.7	100 116 100 116 100 116 100 116 100 116 100 116 100 116	0 clear con	9.209	90 90 90 90 90 90 90 90 90 90 90 90 90 9	60 60 60 60 60 60 60 60 60 60 60 60 60 6	SVI			7	dry	Readings are very infermittent and reduced with fingiler, work was continued.
T Walker 2:  Sayhenson 3:  Sayhenson 2:  Sayhenson 3:  Sayhenson 3:  Sayhenson 3:  Sayhenson 3:  Sayhenson 2:  Sayhenson 3:	802/2011 a \$02/2011 a	scorosini in prinched interpresente contrata contrata in prinched	W NW NE	8.30 8.35 8.35 8.45 8.45 8.50 8.55 9.00 9.05 11.10 11.05 11.05 10.55	7.10 h 1 8.35 y 6 8.40 y 3 8.40 y 3 8.40 h 1 8.50 h 1 8.50 h 1 8.50 h 1 8.55 h 1 9.50 h 1 9.50 h 1 1.15 y 5 1.15 y 5 1.00 h 1 1.00 h 1 1.00 h 1 1.00 h 3 0.05 y 3 0.05 y 3	no policy of the control of the cont	0 0 3 3 2 0 0 0 0 0 0 0 0 0 0	4 1 2 1 2 5 2 5 2 5 2 1 3 1 3 1 4 1 4 1 2 1 2 5 2 5 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 4 1 2 1 5 2 5 3 1 1 3 1 3 1 4 1 5 2 5 2 5 3 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2	0 1 248 0.5-0.7 189 105 0 3 87 0 78 0 114 0 0 114 0 0 97.4 0 95.4	36 58 58 46 46 32 61 60 56 60 68 72 74.9 54.2 103.4 60 59.9 52.7 58.2 25.8 70.4	100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115 100 115	1	9.209	00 00 00 00 00 00 00 00 00 00 00 00 00	60 8 8 60 60 60 60 60 60 60 60 60 60 60 60 60	SW			7	dry	Readings are very infermittent and reduced with fingiler, work was continued.
T Waker 2:  T Waker 3:  T Wake	802/2011 e 502/2011 e	excension in prinched surreprocesses condens excension in prinched excension in prinched excension in prinched excension in excension in prinched excension in prinched excension in prinched excension in excension in prinched excension in prinched excension in prinched excension in excension excension in prinched excension in prinched excension in prinched excension in excension excension in prinched excension in prinched excension in prinched excension in excension excension in prinched excensi	W NW NE NEE SE SW W NEE NEE S SW NW NEE SE S SW NW NEE SE S SW NW NEE SE S SW NEE SE S SW NEE SE S SW NEE SE S SW S	17.05 8.30 8.35 8.35 8.40 8.45 8.55 9.05 11.10 11.05 11.05 11.05 10.95 10.45	7.10 m 1  8.55 y 6  8.50 y 3  8.40 y 3  8.40 m 1  8.50 m 1  8.50 m 1  8.50 m 1  9.00 m 1  9.00 m 1  1.10 m 1  1.10 m 1  1.00 m 0  1.00 m	No spiker in State of the State of Stat	0 0 0 3 -2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0	4 1 1 2 5 5 2 5 5 1 1 3 1 1 4 1 1 2 2 5 5 2 5 1 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 1 3 3 1 1 4 1 1 1 1	0 1 246 15 266 15 266 16 26 26 26 26 26 26 26 26 26 26 26 26 26	36 58 58 46 32 61 60 72 72 74.9 54.2 103.4 60 42.4 93.9 52.7 70.4 55.5 70.4	100 100 100 100 100 100 100 100 100 100	2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.209	00 00 00 00 00 00 00 00 00 00 00 00 00	60 60 60 60 60 60 60 60 60 60 60 60 60 6	SW			7	dey	Readings are very infermittent and reduced with fingiler, work was continued.
T Waker 2:  T Waker 3:  T Wake	802/2011 e 502/2011 e	secondaria in pittibular lampiopromise condessi secondaria in pittibular lampionromise condessi secondaria in pittibular lampionromis	W NW NE NE1 E S S W NW NE NE1 E S S S W NW NE	17.05 8.30 8.35 8.35 8.45 8.45 8.50 8.50 8.50 11.00 11.05 11.00 10.55 10.45 10.45 10.45	7.10 h 1 8.40 y 6 8.40 y 3 8.40 y 3 8.40 h 1 8.50 h 1 1.50 h 1 1.5	No calcular  Notice of the Control o	0 0 0 3 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 2 1 2 5 2 5 2 5 2 1 3 1 4 1 2 1 2 1 2 5 3 1 4 1 2 1 2 1 3 1 4 1 2 1 2 1 3 1 4 1 4 1 2 1 3 1 4	0 286 05-07 189 105-07 189 105-07 189 105-0 27 105 105 105 105 105 105 105 105 105 105	26 98 98 46 98 46 92 91 92 91 92 92 92 92 92 92 92 92 92 92 92 92 92	100 155 100 15	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9.209	00 00 00 00 00 00 00 00 00 00 00 00 00	60	SVI			7	dry	Readings are very infermittent and reduced with fingiler, work was continued.
T Waker 2:  T Waker 3:  T Wake	802/2011 e 502/2011 e	secondaria in pittibular lampiopromise condessi secondaria in pittibular lampionromise condessi secondaria in pittibular lampionromis	W NW NE NE1 E S S NE1 E E S S S NE1 E E S S NE1 E E S NE1 E E S NE1 E E S S NE1 E E S S NE NE1 E E S S NE	17.05 8.30 8.35 8.35 8.35 8.40 8.45 8.45 9.00 11.10 11.05 11.05 11.00 10.40 10.35	7.10 h 1 3.35 y 6 3.35 y 6 3.40 y 3 3.40 y 3 3.40 h 1 3.50 h 1 3.5	No spiker in State of the State of Stat	0 0 3 -2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 1 2 5 5 2 5 5 1 1 3 5 1 1 2 2 5 5 2 7 5 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1	0 1 246 0 50.7 189 0 105.0 7 189 0 105 0 7 105 0	26 98 98 98 98 98 98 98 98 98 98 98 98 98	100 155 100 15	2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.209	00 00 00 00 00 00 00 00 00 00 00 00 00	100 100 100 100 100 100 100 100 100 100	SW	N 8	patchy	7	dy	Padrig are very internitive and reduced with liggin, work was continued.  Solidar at districts.
T Walker 2:  T Walker 3:  T Wal	\$02,2011 o	susception in grighted tempogramment conducts susception in grighted tempogramment susce	W NW NE NE1 SW W NW NE NE1 SE SE SW W NW NE NE1 SE SE SW W NW NW NE NE1 E SW W NW	17.05 8.30 8.35 8.35 8.40 8.45 8.50 9.00 9.05 11.10 11.05 11.05 10.90 10.45 10.40 10.35 10.30	7.10 h 1 3.35 y 6 3.35 y 6 3.40 y 3 3.40 y 3 3.40 y 3 3.40 y 3 3.50 h 7 3.5	so about  Stromer kinkwatel  Stromer  Stro	0 0 0 3 -2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 2 1 2 5 2 5 2 5 2 1 3 1 4 1 2 1 2 1 2 5 2 1 3 1 4 1 2 1 2 1 3 1 4 1 2 1 2 1 3 1 4 1 4 1 2 1 4	0 246 0.5 0.7 189 0.5 0.7 189 0.5 0.7 189 0.5 0.7 189 0.5 0.7 105 0.5 0.7 105 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0	36 58 58 46 32 61 1 60 55 68 68 72 74.9 54.2 105.4 60 105.8 72 75.8 70.4 51.5 51.5 71.2 24.3	00 100 100 100 100 100 100 100 100 100	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9.209	90 90 90 90 90 90 90 90 90 90 90 90 90 9	100 100 100 100 100 100 100 100 100 100	2 SW	N 8		7	wet	Readings are very infermittent and reduced with fingiler, work was continued.
T Walker 2:  T Wal	\$02,2011 o	secondaria in pitched interopioronesi condesi secondaria interopioronesi condesi	W NW NE	17.05 8.30 8.35 8.35 8.40 8.45 8.55 9.00 11.00 11.05 11.00 10.55 10.40 10.45 10.40 10.30 16.10	7.10 h 1 8.35 y 8 8.35 y 8 8.40 y 3 8.40 y 1 8.4	No calcular  Notice of the Control o	3 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	4 1 1 2 5 5 2 5 5 1 1 3 5 1 1 2 2 5 5 2 5 5 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 3 3 1 1 4 4 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1	0 246 0.5-0.7 189 0.5-0.7 189 0.5-0.7 189 0.70 0.	26 98 98 98 98 98 98 98 98 98 98 98 98 98	00 100 100 100 100 100 100 100 100 100	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.209	90 90 90 90 90 90 90 90 90 90 90 90 90 9	100 100 100 100 100 100 100 100 100 100	2 SV	N 8	patchy	5	wet	Padrig are very internitive and reduced with liggin, work was continued.  Solidar at districts.
T Walker 24 T Walker 25 T Walker 27 T Walk	\$02,2011 a	securios (in pitched interpretations controlly production production production of the controlly production production production of the controlly production product	W NW NE NE NE NE NE NW N NE NE NW N NE NE NE NE NW N NE NE NE NW N N NE NE NW N N N N	17.05 8.30 8.35 8.35 8.40 8.45 8.55 8.50 9.00 9.05 11.00 10.45 10.50 10.45 10.50 10.	7.10 6 1 8.35 7 6 8.35 7 6 8.35 7 6 8.45 7 3 8.45 8 1 8.5	so about  Stromer kinkwatel  Stromer  Stro	0 0 0 3 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 1 2 5 5 2 1 1 3 1 1 4 1 1 2 1 1 2	0 246 35.0.7 169 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	36 58 58 58 58 58 58 58 58 58 58 58 58 58	100 150 150 150 150 150 150 150 150 150	2	9.209 9.639 9.209	90 90 90 90 90 90 90 90 90 90 90 90 90 9	100 100 100 100 100 100 100 100 100 100	2 SW	N 8	patchy	5	dry	Padrig are very internitive and reduced with liggin, work was continued.  Solidar at districts.
T Walker 2:  T Wal	\$02,2011 a	succession in gridded interophorous condens succession in gridded	W NW NE NET NE NET NET NET NET NET NET NET N	17.05 8.30 8.35 8.40 8.40 8.65 8.40 8.65 8.40 11.10 11.05 11.05 11.05 11.05 10.40 10.40 10.30 16.10 10.55	7.10 h 1 8.35 y 8 8.35 y 8 8.40 y 3 8.40 y 1 8.40 y 1 8.50 h 1 1.50 h 1 1.5	so about  Stromer kinkwatel  Stromer  Stro	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 1 2 5 5 2 5 5 1 1 3 1 1 2 2 5 5 1 1 2 1 1 2 2 5 5 1 1 2 2 5 5 1 1 2 2 5 5 1 1 2 2 5 5 1 1 2 2 2 5 1 1 2 2 2 5 1 1 2 2 2 5 1 1 2 2 2 5 1 1 2 2 2 5 1 1 2 2 2 5 1 1	0 246 0.5-0.7 189 0.5-0.7 189 0.5-0.7 189 0.70 0.	26 99 40 122 140 150 160 160 160 160 160 160 160 160 160 16	100 855 100 100 100 100 100 100 100 100 100 1	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.209	90 90 90 90 90 90 90 90 90 90 90 90 90 9	100 100 100 100 100 100 100 100 100 100	SW 2 SW 11 S	N 8	patchy	5	wet	Padrig are very internitive and reduced with liggin, work was continued.  Solidar at districts.
T Walker 2:  T Wal	\$02,2011 a	succession in gridded interophorous condens succession in gridded	W NW NE NE1 SE SW W N NE1 SE SW NW N NE1 SE SW NW N N NE1 NE1 SE SW NW N N NE1 SE SW NW N N N N N N N N N N N N N N N N N	17.05 8.30 8.35 8.40 8.40 8.65 8.40 8.65 8.40 11.10 11.05 11.05 11.05 11.05 10.40 10.40 10.30 16.10 10.55	7.10 h 1 8.35 y 8 8.35 y 8 8.40 y 3 8.40 y 1 8.40 y 1 8.50 h 1 1.50 h 1 1.5	so about  Stromer kinkwatel  Stromer  Stro	0 0 0 3 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 2 5 2 1 3 1 3 1 4 1 2 5 2 7 3 1 3 1 4 1 2 7 3 1 4 1 2 7 2 7 3 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 4 1 3 1 4 1 4 1 5 1 6 1 6 1 7 1 7 2 1 7 3	0 246 35.0.7 169 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	36 58 58 58 58 58 58 58 58 58 58 58 58 58	100 855 100 100 100 100 100 100 100 100 100 1	1   1   1   1   1   1   1   1   1   1	9.209 9.639 9.209	90 90 90 90 90 90 90 90 90 90 90 90 90 9	100 100 100 100 100 100 100 100 100 100	2 SW	N 8	patchy	5	dry	Padrig are very internitive and reduced with liggin, work was continued.  Solidar at districts.
T Walker 2:  T Wal	\$02,2011 a	seconda in pitched interpretament contrats seconda in pitched interpretament seconda	W NW NE NE1 E SE S W W NW NE NE1 NE SE S S W W NW NE NE1 NE SE S S W W NW NE NE1 NE SE S S W W NW NE NE SE S S S S W NW NE NE S S S S W NW NE S S S W NW NE NE S S S S S S W NW NE S S S S S S S S S S S S S S S S S S	17.05 8.30 8.35 8.45 8.40 8.50 8.50 8.55 8.50 9.00 9.05 11.10 11.05 10.45 10.40 10.40 10.40 10.40 10.55 10.55 10.50 10.5	7.106 1 8.359 6 8.359 6 8.359 7 8.40 1 8.40	No challer of the Control of the Con	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 2 5 2 5 2 5 2 5 2 5 3 1 3 1 4 1 2 5 2 1 3 7 4 1 2 7 2 7 3 1 4 1 2 7 2 7 3 7 4 1 2 7 2 7 3 7 4 7 2 7 2 7 3 7 4 7 4 7 4 7 4 7 5 7 7 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	0 246 35.0.7 169 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5	26 99 40 122 140 150 160 160 160 160 160 160 160 160 160 16	100 150 150 150 150 150 150 150 150 150	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.209 9.639 9.209	50 50 50 50 50 50 50 50 50 50 50 50 50 5	100 100 100 100 100 100 100 100 100 100	2 SV	N 8	patchy	7	dry	Padrig are very internitive and reduced with liggin, work was continued.  Solidar at districts.
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**Appendix C** 

**Long term Passive VOC Monitoring** 





## LABORATORY ANALYSIS REPORT

REPORT NUMBER GCMS 4637
CUSTOMER Vertase FLI Ltd
GRADKO LAB REFERENCE GMSF 0311-0320

DATE SAMPLES RECEIVED 23.02.11
DESPATCH REF.NUMBER SOR006001
JOB NUMBER 907BR1/5302

BOOKING IN REF. E1020

## 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 09015 Exposure Time(mins) 40160 Sample ID North

## Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Toluene	319.10	3.97
Naphthalene	78.12	0.97
Tetrachloroethylene	69.63	0.87
m/p-Xylene	34.87	0.43
Naphthalene, 2-methyl-	26.94	0.34
Benzene, 1,2,3-trichloro-4-methyl-	25.08	0.31
Pentadecane	22.77	0.28
Phenol	19.82	0.25
Naphthalene, 1-methyl-	16.14	0.20
Hexadecane	16.00	0.20

Tube Number GRA 09806 Exposure Time(mins) 40230 Sample ID North West

#### Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Toluene	112.12	1.39
Tetrachloroethylene	68.80	0.86
m/p-Xylene	46.95	0.58

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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Signed. L. Gates, Laboratory Supervisor





## LABORATORY ANALYSIS REPORT

o-Xylene	25.88	0.32
Undecane	22.99	0.29
Benzene, 1,2,3-trichloro-4-methyl-	22.05	0.27
Naphthalene	19.42	0.24
Benzene	18.71	0.23
Tridecane	15.80	0.20
Phenol	15.76	0.20

Tube Number GRA 09809
Exposure Time(mins) 40190
Sample ID South

## Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Toluene	24.33	0.30
Benzene	14.19	0.18
m/p-Xylene	12.06	0.15
Phenol	11.68	0.15
o-Xylene	8.55	0.11
Tetrachloroethylene	8.37	0.10
Undecane	6.44	0.08
Benzonitrile	6.01	0.07
Dodecane	4.13	0.05
Decane	3.71	0.05

Tube Number GRA 09696
Exposure Time(mins) 40200
Sample ID South West

#### Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Toluene	51.78	0.64
Tetrachloroethylene	49.18	0.61
m/p-Xylene	24.28	0.30
Benzene	22.07	0.27
Phenol	18.27	0.23
Undecane	17.72	0.22
o-Xvlene	17.38	0.22

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Form LQF32 Issue 2

REPORT OFFICIALLY CHECKED

Report Number GCMS4637

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## LABORATORY ANALYSIS REPORT

Dodecane	11.65	0.14
Heptane, 2,2,4,6,6-pentamethyl-	10.64	0.13
Tetradecane	10.53	0.13

Tube Number GRA 09013 Exposure Time(mins) 40170 Sample ID East

Tube received damaged and could not be analysed.

Tube Number GRA 09692 Exposure Time(mins) 40165 Sample ID North East

Tube received damaged and could not be analysed.

Tube Number GRA 09786 Exposure Time(mins) 40235 Sample ID West

#### Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Toluene	79.42	0.99
Tetrachloroethylene	70.64	0.88
m/p-Xylene	26.96	0.33
o-Xylene	22.68	0.28
Benzene, 1,2,3-trichloro-4-methyl-	18.73	0.23
Benzene	12.60	0.16
Phenol	11.82	0.15
Pentadecane	11.20	0.14
Octadecane	10.14	0.13
Heptadecane	9.18	0.11

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







## LABORATORY ANALYSIS REPORT

Tube Number	GRA 09796
Exposure Time(mins)	40230
Sample ID	wwtw

Top 10 VOC'S	Top	10	VOC	'S
--------------	-----	----	-----	----

Compounds	ng on tube	ppb in air*
Tridecane	35.87	0.45
Undecane	25.49	0.32
Dodecane	21.40	0.27
Tetradecane	20.02	0.25
Benzene	15.89	0.20
Toluene	15.84	0.20
Heptane, 2,2,4,6,6-pentamethyl-	14.25	0.18
Phenol	13.78	0.17
m/p-Xylene	13.39	0.17
o-Xylene	12.20	0.15

Tube Number GRA 09738
Exposure Time(mins) 40205
Sample ID Queen's Close

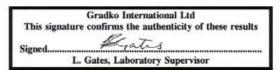
#### Top 10 VOC'S

100 10 1000		
Compounds	ng on tube	ppb in air*
m/p-Xylene	18.62	0.23
Benzene	17.75	0.22
Toluene	17.45	0.22
Phenol	16.05	0.20
o-Xylene	13.27	0.17
Octane	8.40	0.10
Undecane	8.30	0.10
Pentadecane	7.15	0.09
Benzonitrile	6.79	0.08
Ethylbenzene	6.38	0.08

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 09656
Exposure Time(mins) 40165
Sample ID Church Road

Top 10 VOC'S

Compounds	ng on tube	ppb in air*
Naphthalene	154.36	1.92
Phenol	20.75	0.26
Toluene	20.69	0.26
m/p-Xylene	19.07	0.24
o-Xylene	14.99	0.19
Benzene	13.74	0.17
Benzene, 1,2,4-trimethyl-	12.68	0.16
Naphthalene, 2-methyl-	9.91	0.12
Benzonitrile	8.55	0.11
Ethylbenzene	6.65	0.08

Semi-quantitative results for ng on tube are calculated using toluene standards.

Analysts Name M.Angelova Date of Analysis 24.02.11

Date of Report 03.03.11

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

REPORT OFFICIALLY CHECKED



**Appendix D** 

**Directional Dust Monitoring** 



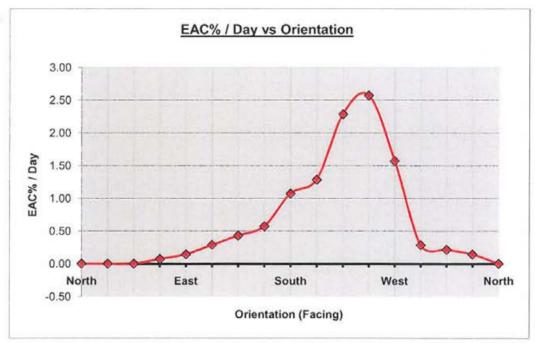
# Sticky Pad Data

## Gauge Number-North Location 907BRI

Sticky Pad Data

Date On	24/01/2011	Date Off	07/02/2011	Days =	14
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	90	360	North	0.00
20	88	337		0.14
40	87	314		0.21
60	86	291		0.29
80	68	269	West	1.57
100	54	246		2.57
120	58	223		2.29
140	72	200		1.29
160	75	177	South	1.07
180	82	154		0.57
200	84	131		0.43
220	86	109		0.29
240	88	86	East	0.14
260	89	63		0.07
280	90	40		0.00
300	90	17		0.00
315	90	0	North	0.00



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

The calculation is based on taking readings at 20mm intervals along the sticky pad.



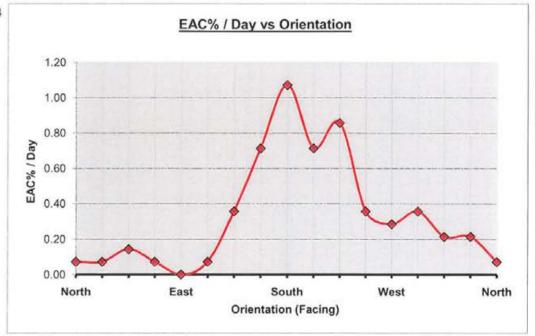
# Sticky Pad Data

## Gauge Number-East Location 907BRI

Sticky Pad Data

Date On Clean = 24/01/2011 Date Off 07/02/2011 Days = 14

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.07
20	87	337		0.21
40	87	314		0.21
60	85	291		0.36
80	86	269	West	0.29
100	85	246		0.36
120	78	223		0.86
140	80	200		0.71
160	75	177	South	1.07
180	80	154		0.71
200	85	131		0.36
220	89	109		0.07
240	90	86	East	0.00
260	89	63		0.07
280	88	40		0.14
300	89	17		0.07
315	89	0	North	0.07



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

The calculation is based on taking readings at 20mm intervals along the sticky pad.



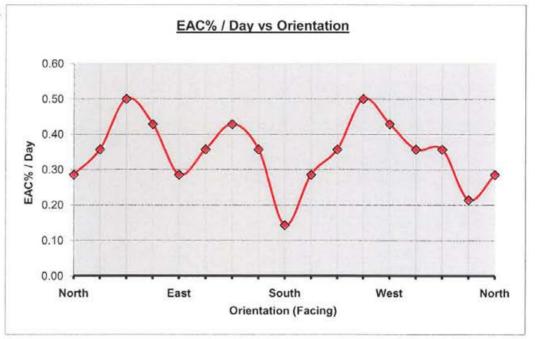
# Sticky Pad Data

## Gauge Number-West Location 907BRI

Sticky Pad Data

Date On	24/01/2011	Date Off	07/02/2011	Days =	14
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	86	360	North	0.29
20	87	337		0.21
40	85	314		0.36
60	85	291		0.36
80	84	269	West	0.43
100	83	246	11111000000	0.50
120	85	223		0.36
140	86	200		0.29
160	88	177	South	0.14
180	85	154		0.36
200	84	131		0.43
220	85	109		0.36
240	86	86	East	0.29
260	84	63		0.43
280	83	40		0.50
300	85	17		0.36
315	86	0	North	0.29



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

The calculation is based on taking readings at 20mm intervals along the sticky pad.

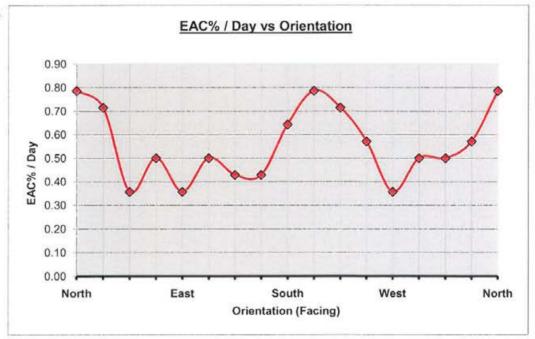


## Gauge Number-NE2 Location 907BRI

Sticky Pad Data

Date On	24/01/2011	Date Off	07/02/2011	Days =	14
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	79	360	North	0.79
20	82	337	121	0.57
40	83	314		0.50
60	83	291		0.50
80	85	269	West	0.36
100	82	246		0.57
120	80	223		0.71
140	79	200		0.79
160	81	177	South	0.64
180	84	154		0.43
200	84	131		0.43
220	83	109		0.50
240	85	86	East	0.36
260	83	63		0.50
280	85	40		0.36
300	80	17		0.71
315	79	0	North	0.79



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

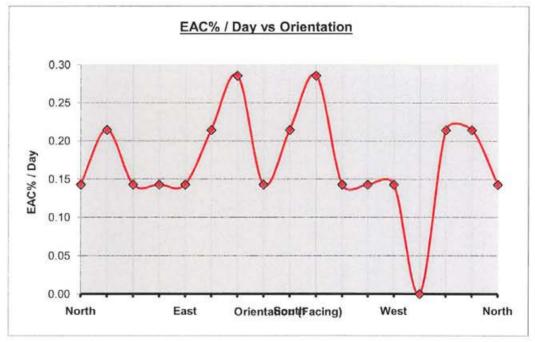


# Gauge Number-South Location 907BRI

Sticky Pad Data

Date On	24/01/2011	Date Off	07/02/2011	Days =	14
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	88	360	North	0.14
20	87	337		0.21
40	87	314		0.21
60	90	291		0.00
80	88	269	West	0.14
100	88	246		0.14
120	88	223		0.14
140	86	200		0.29
160	87	177	South	0.21
180	88	154		0.14
200	86	131		0.29
220	87	109		0.21
240	88	86	East	0.14
260	88	63		0.14
280	88	40		0.14
300	87	17		0.21
315	88	0	North	0.14



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

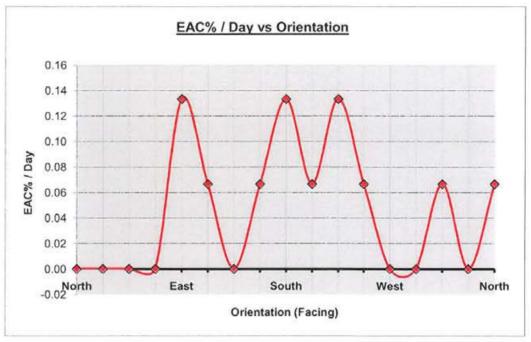


## Gauge Number-North Location 907BRI

Sticky Pad Data

Date On Clean = 90 Date Off 22/02/2011 Days = 15

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.07
20	90	337		0.00
40	89	314		0.07
60	90	291		0.00
80	90	269	West	0.00
100	89	246		0.07
120	88	223		0.13
140	89	200		0.07
160	88	177	South	0.13
180	89	154		0.07
200	90	131		0.00
220	89	109		0.07
240	88	86	East	0.13
260	90	63		0.00
280	90	40		0.00
300	90	17		0.00
315	90	0	North	0.00



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

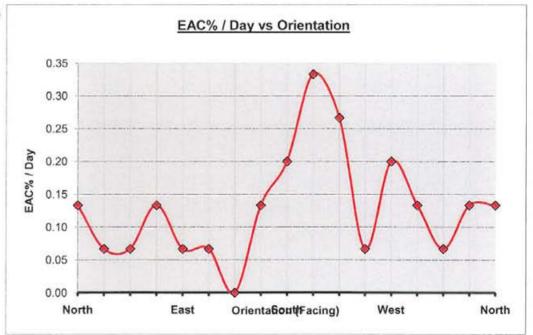


## Gauge Number-East Location 907BRI

Sticky Pad Data

Date On Clean = 90 Date Off 22/02/2011 Days = 15

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	88	360	North	0.13
20	88	337		0.13
40	89	314		0.07
60	88	291		0.13
80	87	269	West	0.20
100	89	246		0.07
120	86	223		0.27
140	85	200		0.33
160	87	177	South	0.20
180	88	154		0.13
200	90	131		0.00
220	89	109		0.07
240	89	86	East	0.07
260	88	63		0.13
280	89	40		0.07
300	89	17		0.07
315	88	0	North	0.13



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

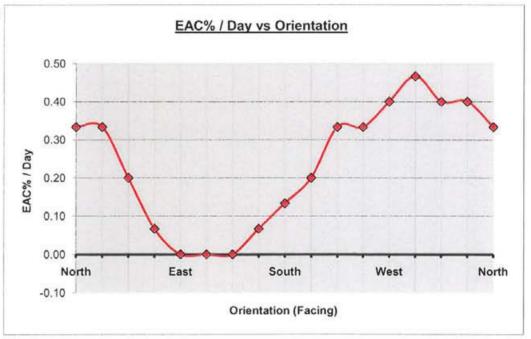


## Gauge Number-West Location 907BRI

Sticky Pad Data

Date On O7/02/2011 Date Off 22/02/2011 Days = 15

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	85	360	North	0.33
20	84	337		0.40
40	84	314		0.40
60	83	291		0.47
80	84	269	West	0.40
100	85	246		0.33
120	85	223		0.33
140	87	200		0.20
160	88	177	South	0.13
180	89	154		0.07
200	90	131		0.00
220	90	109		0.00
240	90	86	East	0.00
260	89	63		0.07
280	87	40		0.20
300	85	17		0.33
315	85	0	North	0.33



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

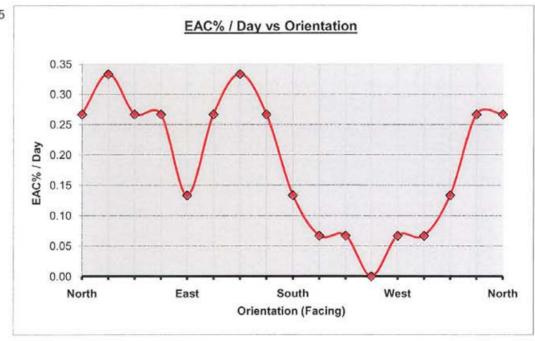


## Gauge Number-NE1 Location 907BRI

Sticky Pad Data

Date On	07/02/2011	Date Off	22/02/2011	Days =	15
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	86	360	North	0.27
20	86	337		0.27
40	88	314		0.13
60	89	291		0.07
80	89	269	West	0.07
100	90	246		0.00
120	89	223		0.07
140	89	200		0.07
160	88	177	South	0.13
180	86	154		0.27
200	85	131		0.33
220	86	109		0.27
240	88	86	East	0.13
260	86	63		0.27
280	86	40		0.27
300	85	17		0.33
315	86	0	North	0.27



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

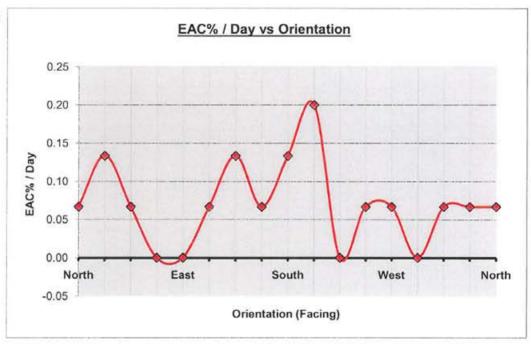


## Gauge Number-NE2 Location 907BRI

Sticky Pad Data

Date On	07/02/2011	Date Off	22/02/2011	Days =	15
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.07
20	89	337		0.07
40	89	314		0.07
60	90	291		0.00
80	89	269	West	0.07
100	89	246		0.07
120	90	223		0.00
140	87	200		0.20
160	88	177	South	0.13
180	89	154		0.07
200	88	131		0.13
220	89	109		0.07
240	90	86	East	0.00
260	90	63		0.00
280	89	40		0.07
300	88	17		0.13
315	89	0	North	0.07



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.

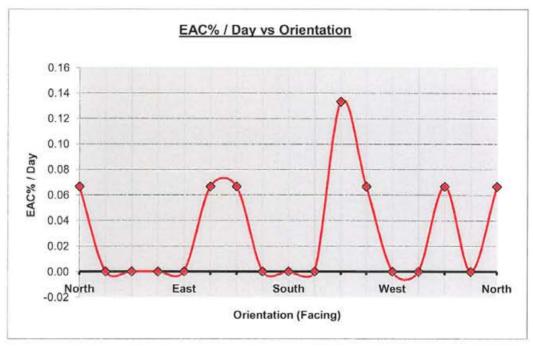


## Gauge Number-South Location 907BRI

Sticky Pad Data

Date On	07/02/2011	Date Off	22/02/2011	Days =	15
Clean =	90				

X Axis mm	Meter	Angle Deg	Orientation	EAC% / Day
0	89	360	North	0.07
20	90	337		0.00
40	89	314		0.07
60	90	291		0.00
80	90	269	West	0.00
100	89	246		0.07
120	88	223		0.13
140	90	200		0.00
160	90	177	South	0.00
180	90	154		0.00
200	89	131	= 27.	0.07
220	89	109		0.07
240	90	86	East	0.00
260	90	63		0.00
280	90	40		0.00
300	90	17		0.00
315	89	0	North	0.07



Note:

Cells coloured red are inputs.

The rest are either constants or calculated values.



Appendix E Groundwater Level Data

Former Bayer Cropscience Site Groundwater and surface water levels

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	P67**
31/01/2011	10.348	10.398	10.054	Covered	10.627	Lost	9.659	Covered	9.509	No Access	No Access	9.827	9.189	9.323	9.549	9.639	10.109	10.198	Blocked
01/02/2011	10.339	10.402	10.053	Covered	10.616	Lost	9.66	Covered	9.501	No Access	No Access	9.827	9.189	9.318	9.548	9.638	10.109	10.194	Blocked
02/02/2011	10.352	10.418	10.243	Covered	10.601	Lost	9.64	Covered	9.509	No Access	No Access	9.82	9.189	9.317	9.549	9.639	10.315	10.197	Blocked
03/02/2011	10.350	10.415	10.239	Covered	10.607	Lost	9.643	Covered	9.55	No Access	No Access	9.83	9.189	9.318	9.549	9.639	10.268	10.196	Blocked
04/02/2011	10.349	10.41	10.238	Covered	10.603	Lost	9.654	Covered	9.54	No Access	No Access	9.828	9.189	9.319	9.548	9.639	10.268	10.197	Blocked
07/02/2011	10.336	10.402	10.052	Covered	10.616	Lost	9.661	Covered	9.5	No Access	No Access	9.82	9.169	9.334	9.530	9.648	10.119	10.122	Blocked
08/02/2011	10.340	10.41	10.044	Covered	10.609	Lost	9.654	Covered	9.41	No Access	No Access	9.78	9.119	9.318	9.538	9.628	10.118	10.182	Blocked
09/02/2011	10.335	10.408	10.014	Covered	10.608	Lost	9.654	Covered	9.48	No Access	No Access	9.77	9.189	9.314	9.530	9.628	10.109	10.175	Blocked
10/02/2011	10.335	10.402	10.024	Covered	10.609	Lost	9.6545	Covered	9.51	No Access	No Access	9.827	9.189	9.318	9.548	9.638	10.109	10.194	Blocked
11/02/2011	10.388	10.452	10.039	Covered	10.64	Lost	9.703	Covered	9.55	No Access	No Access	9.86	9.229	9.394	9.562	9.678	10.148	10.212	Blocked
14/02/2011	10.340	10.451	10.04	Covered	10.64	Lost	9.703	Covered	9.55	No Access	No Access	9.86	9.229	9.394	9.562	9.678	10.148	10.212	Blocked
15/02/2011	10.498	10.392	10.222	Covered	10.585	Lost	9.701	Covered	9.55	No Access	No Access	9.809	9.203	9.306	9.543	9.639	10.325	10.141	Blocked
16/02/2011	10.479	10.368	9.953	Covered	10.567	Lost	9.675	Covered	9.429	No Access	No Access	9.797	9.198	9.295	9.540	9.636	10.235	10.13	Blocked
17/02/2011	10.438	10.361	9.926	Covered	10.558	Lost	9.671	Covered	9.392	No Access	No Access	9.777	9.193	9.291	9.538	9.633	10.202	10.12	Blocked
18/02/2011	10.440	10.38	9.925	Covered	10.554	Lost	9.667	Covered	9.39	No Access	No Access	9.764	9.191	9.284	9.538	9.633	10.198	10.112	Blocked
21/02/2011	12.270	11.86	12.794	Covered	12.039	Lost	11.143	Covered	12.2	No Access	No Access	12.51	10.789	11.094	11.160	11.609	12.048	11.422	Blocked
22/02/2011	10.430	10.387	9.924	Covered	10.555	Lost	9.667	Covered	9.381	No Access	No Access	9.76	9.208	9.31	9.555	9.649	10.208	10.12	Blocked
23/02/2011	10.274	10.426	9.928	Covered	10.58	Lost	10.252	Covered	9.359	No Access	No Access	9.795	9.213	9.305	9.549	9.645	10.097	10.141	Blocked
24/02/2011	10.304	10.403	9.928	Covered	10.578	Lost	10.052	Covered	9.359	No Access	No Access	9.811	9.218	9.323	9.544	9.639	10.093	10.169	Blocked
25/02/2011	10.169	10.41	9.813	Covered	10.589	Lost	10.183	Covered	9.289	No Access	No Access	9.757	9.209	9.305	9.550	9.639	10.12	10.142	Blocked
28/02/2011	10.170	10.41	9.814	Covered	10.638	Lost	9.761	Covered	9.3	No Access	No Access	9.761	9.195	9.295	9.549	9.645	10.13	10.2	Blocked



Appendix F Surface Water Analysis Reports



# Scientific Analysis Laboratories Certificate of Analysis

Hadfield House Hadfield Street Cornbrook Manchester M16 9FE

Tel: 0161 874 2400 Fax: 0161 874 2468

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

Report Number: 226523-1

Date of Report: 08-Feb-2011

Customer: VertaseFLI Limited

19 Napier Court
Barlborough Links
Barlborough
S43 4PZ

Customer Contact: The Project Management

Customer Job Reference: 907 BRI

Date Job Received at SAL: 02-Feb-2011

Date Analysis Started: 02-Feb-2011

Date Analysis Completed: 08-Feb-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



Report checked and authorised by : Amelia McVennon Project Manager Issued by : Amelia McVennon Project Manager SAL Reference: 226523 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton Suite

			SA	226523 001	226523 002	226523 003	226523 004	
		Custon	ner Sampl	ВН9	BH11	N3	S3/4	
			Da	01-FEB-2011	01-FEB-2011	01-FEB-2011	01-FEB-2011	
Determine and	Marthaul	Test	1.00	H-H-				
Determinand	Method	Sample	LOD	Units				
Electrical Conductivity	T7	AR	10	μS/cm	2200	1100	2000	3700
На	T7	AR			7.3	7.3	7.2	7.3

SAL Reference: 226523 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton OP/ON Suite

			SA	L Reference	226523 001	226523 002	226523 003	226523 004
		Custon	ner Sampl	e Reference	ВН9	BH11	N3	S3/4
			D	ate Sampled	01-FEB-2011	01-FEB-2011	01-FEB-2011	01-FEB-2011
Determinand	Method	Test Sample	LOD	Units				P. Walter
Dimefox	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1
Ethofumesate	T16	AR	0.1	μg/l	12	23	6.0	2.8
Hempa	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1
Schradan	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	83
Simazine	T16	ΔR	0.01	ua/l	<0.01	0.55	<0.01	<0.01

SAL Reference: 226523 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton Phenoxy Acid Herbs Suite

	176.00	77.65	SA	L Reference	226523 001	226523 002	226523 003	226523 004
	-	Custon	ner Sampl	e Reference	ВН9	BH11	N3	S3/4
			D	ate Sampled	01-FEB-2011	01-FEB-2011	01-FEB-2011	01-FEB-2011
Determinand	Method	Test Sample	LOD	Units				
Dicamba	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	<0.1	1.4
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1

SAL Reference: 226523 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton SVOC Suite

Mecoprop

			SA	L Reference	226523 001	226523 002	226523 003	226523 004
		Custor	ner Samp	le Reference	ВН9	BH11	N3	S3/4
			D	ate Sampled	01-FEB-2011	01-FEB-2011	01-FEB-2011	01-FEB-2011
Determinand	Method	Test Sample	LOD	Units				
2,4,6-Trichlorophenol	T16	AR	10	μg/l	<10	<10	<10	20
2-Methyl-4,6-dinitrophenol	T16	AR	10	μg/l	<10	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	μg/l	<10	<10	<10	170
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	190	40	210	2500
Phenol	T16	AR	10	μq/l	<10	<10	<10	<10

SAL Reference: 226523 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton VOC Suite

			SA	L Reference	226523 001	226523 002	226523 003	226523 004
		Custon	ner Sampl	e Reference	ВН9	BH11	N3	S3/4
			D	ate Sampled	01-FEB-2011	01-FEB-2011	01-FEB-2011	01-FEB-2011
Determinand	Method	Test Sample						
1,2-Dichlorobenzene	T54	AR	1	μg/l	<1	<1	<1	<1
1,2-Dichloroethane	T54	AR	1	μg/l	<sup>(13)</sup> <1	(13) 3	<sup>(13)</sup> <1	<sup>(13)</sup> 1
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	<1	1	<1	2
Cyclohexanone	T54	AR	10	μg/l	<10	<10	<10	<10
Tetrachloroethene	T54	AR	1	μg/l	<1	<1	<1	<1
Toluene	T54	AR	1	μg/l	<1	<1	<1	110
Trichloroethene	T54	AR	1	μg/l	<1	<1	<1	<1
Vinyl chloride	T54	AR	1	μg/l	<1	<1	<1	<1
Xylene (Total)	T54	AR	1	μg/l	<1	<1	<1	42

## Index to symbols used in 226523-1

Value	Description
AR	As Received
13	Results have been blank corrected.
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

#### **Method Index**

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

#### **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
Dichlorprop	T16	AR	0.1	μg/l	N	001-004
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	N	001-004
Mecoprop	T16	AR	0.1	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
1,2-Dichlorobenzene	T54	AR	1	μg/l	U	001-004
1,2-Dichloroethane	T54	AR	1	μg/l	U	001-004
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	U	001-004
Cyclohexanone	T54	AR	10	μg/l	N	001-004
Tetrachloroethene	T54	AR	1	μg/l	U	001-004
Toluene	T54	AR	1	μg/l	U	001-004
Trichloroethene	T54	AR	1	μg/l	U	001-004
Vinyl chloride	T54	AR	1	μg/l	U	001-004
Xylene (Total)	T54	AR	1	μg/l	U	001-004



# Scientific Analysis Laboratories Certificate of Analysis

Hadfield House Hadfield Street Cornbrook Manchester M16 9FE

Tel: 0161 874 2400 Fax: 0161 874 2468

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

Report Number: 227044-1

Date of Report: 11-Feb-2011

Customer: VertaseFLI Limited

Vertase FLI Ltd Regis building

3000 Manchester Business Park

Aviator Way Manchester M22 5TG

Customer Contact: Mr Michael Allsobrook

Customer Job Reference: 907 BRI

Date Job Received at SAL: 07-Feb-2011

Date Analysis Started: 08-Feb-2011

Date Analysis Completed: 11-Feb-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



Report checked and authorised by : Amelia McVennon Project Manager Issued by : Amelia McVennon Project Manager SAL Reference: 227044 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton Suite

			SA	L Reference	227044 001	227044 002	227044 003	227044 004	227044 005
		Custon	ner Sampl	e Reference	BH4	BH8/06	BH6/06	S3/6	VF12
			Da	ate Sampled	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
Electrical Conductivity	T7	AR	10	μS/cm	1900	3000	870	2800	890
pH	T7	AR	·		6.8	7.5	7.2	7.0	7.4

SAL Reference: 227044
Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton OP/ON	Suite								
			SA	L Reference	227044 001	227044 002	227044 003	227044 004	227044 005
		Custon	ner Sampl	e Reference	BH4	BH8/06	BH6/06	S3/6	VF12
			Da	ate Sampled	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011
Determinand	Method	Test Sample	LOD	Units			SYNDAY		
Dimefox	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1	<0.1
Ethofumesate	T16	AR	0.1	μg/l	300	0.1	<0.1	340	140
Hempa	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1	2.0
Schradan	T16	AR	0.1	μg/l	27	<0.1	<0.1	780	<0.1
Simazine	T16	AR	0.01	μg/l	1.6	1.3	<0.01	<0.01	12

SAL Reference: 227044

Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton Phenoxy Acid Herbs Suite

		4-14-7	SA	L Reference	227044 001	227044 002	227044 003	227044 004	227044 005
		Custon	ner Sampl	e Reference	BH4	BH8/06	BH6/06	S3/6	VF12
			Da	ate Sampled	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011
Determinand	Method	Test Sample	LOD	Units			nakity.		N.
Dicamba	T16	AR	0.1	μg/l	9.7	3.8	0.4	22	3.4
Dichlorprop	T16	AR	0.1	μg/l	18	0.4	<0.1	220	9.9
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	75	2.0	<0.1	560	43
Mecoprop	T16	AR	0.1	μg/l	200	5.6	2.3	340	22

SAL Reference: 227044
Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton SVOC Suite

			SA	L Reference	227044 001	227044 002	227044 003	227044 004	227044 005
		Custor	ner Sampl	le Reference	BH4	BH8/06	BH6/06	S3/6	VF12
			D	ate Sampled	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
2,4,6-Trichlorophenol	T16	AR	10	μg/l	<10	10	<10	1400	<10
2-Methyl-4,6-dinitrophenol	T16	AR	10	μg/l	<10	<10	<10	<sup>(9)</sup> <1000	<10
4-Chloro-2-methylphenol	T16	AR	10	μg/l	1100	<10	<10	1100	<10
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	280	<10	<10	7300	20
Phenol	T16	AR	10	μg/l	<10	<10	<10	<sup>(9)</sup> <1000	<10

SAL Reference: 227044 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton VOC Suite

				L D-4	007044 004	007044 000	007044 000	007044 004	007044.005
			SA	L Reference	227044 001	227044 002	227044 003	227044 004	227044 005
		Custon	ner Sampl	e Reference	BH4	BH8/06	BH6/06	S3/6	VF12
			D	ate Sampled	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011	04-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
1,2-Dichlorobenzene	T54	AR	1	μg/l	<1	<1	<1	120	<1
1,2-Dichloroethane	T54	AR	1	μg/l	(13) g	<sup>(13)</sup> <1	<sup>(13)</sup> <1	<sup>(13)</sup> 370	<sup>(13)</sup> 1
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	670	1	<1	1400	6
Cyclohexanone	T54	AR	10	μg/l	<sup>(5)</sup> <10	<sup>(5)</sup> <10	<sup>(5)</sup> <10	<sup>(5)</sup> 580	<sup>(5)</sup> <10
Tetrachloroethene	T54	AR	1	μg/l	2	43	<1	5400	5
Toluene	T54	AR	1	μg/l	2	<1	<1	1600	1
Trichloroethene	T54	AR	1	μg/l	5	<1	<1	3500	7
Vinyl chloride	T54	AR	1	μg/l	180	<1	<1	210	1
Xylene (Total)	T54	AR	1	μg/l	13	<1	<1	710	<1

## Index to symbols used in 227044-1

Value	Description
AR	As Received
9	LOD raised due to dilution of sample
5	Results are Semiquantitative
13	Results have been blank corrected.
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

#### **Method Index**

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

## **Accreditation Summary**

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	μS/cm	N	001-005
pH	T7	AR			U	001-005
Dimefox	T16	AR	0.1	μg/l	N	001-005
Ethofumesate	T16	AR	0.1	μg/l	N	001-005
Hempa	T16	AR	0.1	μg/l	N	001-005
Schradan	T16	AR	0.1	μg/l	N	001-005
Simazine	T16	AR	0.01	μg/l	N	001-005
Dicamba	T16	AR	0.1	μg/l	N	001-005
Dichlorprop	T16	AR	0.1	μg/l	N	001-005
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	N	001-005
Mecoprop	T16	AR	0.1	μg/l	N	001-005
2,4,6-Trichlorophenol	T16	AR	10	μg/l	U	001-005
2-Methyl-4,6-dinitrophenol	T16	AR	10	μg/l	N	001-005
4-Chloro-2-methylphenol	T16	AR	10	μg/l	N	001-005
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	U	001-005
Phenol	T16	AR	10	μg/l	U	001-005
1,2-Dichlorobenzene	T54	AR	1	μg/l	U	001-005
1,2-Dichloroethane	T54	AR	1	μg/l	U	001-005
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	U	001-005
Cyclohexanone	T54	AR	10	μg/l	N	001-005
Tetrachloroethene	T54	AR	1	μg/l	U	001-005
Toluene	T54	AR	1	μg/l	U	001-005
Trichloroethene	T54	AR	1	μg/l	U	001-005
Vinyl chloride	T54	AR	1	μg/l	U	001-005
Xylene (Total)	T54	AR	1	μg/l	U	001-005



# Scientific Analysis Laboratories Certificate of Analysis

Hadfield House Hadfield Street Combrook Manchester M16 9FE

Tel: 0161 874 2400 Fax: 0161 874 2468

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

Report Number: 229182-1

Date of Report: 03-Mar-2011

Customer: VertaseFLI Limited

19 Napier Court
Barlborough Links
Barlborough
S43 4PZ

Customer Contact: The Project Management

Customer Job Reference: 907BRI

Date Job Received at SAL: 25-Feb-2011

Date Analysis Started: 25-Feb-2011

Date Analysis Completed: 03-Mar-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



Report checked and authorised by : Amelia McVennon Project Manager Issued by : Amelia McVennon Project Manager SAL Reference: 229182 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton Suite

			SA	L Reference	229182 001	229182 002	229182 003	229182 004
		Custon	ner Sampl	e Reference	RIDDY DOWNSTREAM	RIDDY UPSTREAM	CAM UPSTREAM	CAM DOWNSTREAM
			Da	ate Sampled	24-FEB-2011	24-FEB-2011	24-FEB-2011	24-FEB-2011
Determinand	Method	Test Sample	LOD	Units				
Electrical Conductivity	T7	AR	10	μS/cm	930	940	870	950
pH	T7	AR			7.5	7.7	7.9	8.0

SAL Reference: 229182
Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton OP/ON Suite

		Custon	ner Sampl	L Reference e Reference ate Sampled	RIDDY DOWNSTREAM	229182 002 RIDDY UPSTREAM 24-FEB-2011	229182 003 CAM UPSTREAM 24-FEB-2011	229182 004 CAM DOWNSTREAM 24-FEB-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	<0.1	<0.1
Hempa	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1
Schradan	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1
Simazine	T16	AR	0.01	μg/l	<0.01	<0.01	<0.01	<0.01

SAL Reference: 229182 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton Phenoxy Acid Herbs Suite

		F-1017	SA	L Reference	229182 001	229182 002	229182 003	229182 004
		Custon	ner Sampl	e Reference	RIDDY DOWNSTREAM	RIDDY UPSTREAM	CAM UPSTREAM	CAM DOWNSTREAM
			Da	ate Sampled	24-FEB-2011	24-FEB-2011	24-FEB-2011	24-FEB-2011
Determinand	Method	Test Sample	LOD	Units			CHARLE	
Dicamba	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	<0.1	<0.1
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1
Mecoprop	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1

SAL Reference: 229182
Customer Reference: 907BRI

Nater Analysed as Water

Vertase Hauxton SVOC Suite

			SA	L Reference	229182 001	229182 002	229182 003	229182 004
		Custor	ner Samp	le Reference	RIDDY DOWNSTREAM	RIDDY UPSTREAM	CAM UPSTREAM	CAM DOWNSTREAM
			D	ate Sampled	24-FEB-2011	24-FEB-2011	24-FEB-2011	24-FEB-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	<10	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	μg/l	<10	<10	<10	<10
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	<10	<10	<10	<10
Phenol	T16	AR	10	μg/l	<10	<10	<10	<10

SAL Reference: 229182 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton VOC Suite

			SA	L Reference	229182 001	229182 002	229182 003	229182 004
		Custon	ner Sampl	e Reference	RIDDY DOWNSTREAM	RIDDY UPSTREAM	CAM UPSTREAM	CAM DOWNSTREAM
			Da	ate Sampled	24-FEB-2011	24-FEB-2011	24-FEB-2011	24-FEB-2011
Determinand	Method	Test Sample	LOD	Units				
1,2-Dichlorobenzene	T54	AR	1	μg/l	<1	<1	<1	<1
1,2-Dichloroethane	T54	AR	1	μg/l	<1	<1	<1	<1
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	3	<1	<1	<1
Cyclohexanone	T54	AR	10	μg/l	<10	<10	<10	<10
Tetrachloroethene	T54	AR	1	μg/l	3	<1	<1	2
Toluene	T54	AR	1	μg/l	<1	<1	<1	<1
Trichloroethene	T54	AR	1	μg/l	7	<1	<1	<1
Vinyl chloride	T54	AR	1	μg/l	<1	<1	<1	<1
Xylene (Total)	T54	AR	1	μg/l	<1	<1	<1	<1

## Index to symbols used in 229182-1

Value	Description
AR	As Received
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	001-004
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
Dichlorprop	T16	AR	0.1	μg/l	N	001-004
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	N	001-004
Mecoprop	T16	AR	0.1	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
1,2-Dichlorobenzene	T54	AR	1	μg/l	U	001-004
1,2-Dichloroethane	T54	AR	1	μg/l	U	001-004
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	U	001-004
Cyclohexanone	T54	AR	10	μg/l	N	001-004
Tetrachloroethene	T54	AR	1	μg/l	U	001-004
Toluene	T54	AR	1	μg/l	U	001-004
Trichloroethene	T54	AR	1	μg/l	U	001-004
Vinyl chloride	T54	AR	1	μg/l	U	001-004
Xylene (Total)	T54	AR	1	μg/l	U	001-004



# Scientific Analysis Laboratories Certificate of Analysis

Hadfield House Hadfield Street Cornbrook Manchester M16 9FE

Tel: 0161 874 2400 Fax: 0161 874 2468

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

Report Number: 229703-1

Date of Report: 10-Mar-2011

Customer: VertaseFLI Limited

19 Napier Court Barlborough Links Barlborough S43 4PZ

Customer Contact: The Project Management

Customer Job Reference: 907BRI
Customer Purchase Order: 907BRI
Date Job Received at SAL: 02-Mar-2011
Date Analysis Started: 03-Mar-2011
Date Analysis Completed: 10-Mar-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



Report checked and authorised by : Amelia McVennon Project Manager Issued by : Amelia McVennon Project Manager SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton Suite

			SA	L Reference	229703 001	229703 002	229703 003	229703 004	229703 005
		Custon	ner Sampl	e Reference	S3/6	VF12	BH8/06	BH6/06	BH4
	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011			
Determinand	Method	Test Sample	LOD	Units					
Electrical Conductivity						980	3300	900	2000
pH	T7	AR			7.0	7.4	7.6	7.2	6.8

SAL Reference: 229703
Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton Suite

			SA	L Reference	229703 006	229703 007	229703 008	229703 009	229703 010
	Custor	ner Sampl	le Reference	BHB1	N3	S314	ВН9	BH11	
			D	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Method	Test Sample	LOD	Units				P. Wall	
Electrical Conductivity	T7	AR	10	μS/cm	2100	2200	3700	2300	640
nН	T7	AR			6.9	7.2	7.2	7.3	7.4

SAL Reference: 229703
Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton OP/ON Suite

			SA	L Reference	229703 001	229703 002	229703 003	229703 004	229703 005	
	Customer Sample Reference				S3/6	VF12	BH8/06	BH6/06	BH4	
			Date Sampled 25-FEB-2011 25-FE							
Determinand	Method	Test Sample	LOD	Units						
Dimefox	T16	AR	0.1	μg/l	(19,9) <10	<sup>(9,19)</sup> <1.0	(19,9) < 1.0	<0.1	(19,9) <10	
Ethofumesate	T16	AR	0.1	μg/l	(19) 930	<sup>(19)</sup> 670	(19) 32	0.8	<sup>(19)</sup> 1400	
Hempa	T16	AR	0.1	μg/l	(9,19) <10	(19,9) < 1.0	(19,9) < 1.0	<0.1	(9,19) <10	
Schradan	T16	AR	0.1	μg/l	<sup>(19)</sup> 1400	<sup>(9,19)</sup> <1.0	(9,19) <1.0	<0.1	(9,19) <10	
Simazine	T16	AR	0.01	μg/l	<sup>(9,19)</sup> <1.0	(19,9) < 0.10	<sup>(19)</sup> 25	<0.01	(9,19) <1.0	

SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton OP/ON Suite

			SA	L Reference	229703 006	229703 007	229703 008	229703 009	229703 010
		Custon	ner Sampl	e Reference	BHB1	N3	S314	ВН9	BH11
			Da	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
Dimefox	T16	AR	0.1	μg/l	<sup>(19,9)</sup> <10	<0.1	<0.1	<0.1	<0.1
Ethofumesate	T16	AR	0.1	μg/l	<sup>(19)</sup> 2300	6.3	2.7	8.6	0.3
Hempa	T16	AR	0.1	μg/l	<sup>(19,9)</sup> <10	<0.1	<0.1	<0.1	0.2
Schradan	T16	AR	0.1	μg/l	<sup>(9,19)</sup> <10	<0.1	<0.1	<0.1	<0.1
Simazine	T16	AR	0.01	μg/l	<sup>(9,19)</sup> <1.0	0.14	<0.01	<0.01	1.5

SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton Phenoxy Acid Herbs Suite

			SA	L Reference	229703 001	229703 002	229703 003	229703 004	229703 005
		Custon	ner Sampl	e Reference	S3/6	VF12	BH8/06	BH6/06	BH4
			Da	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Units								
Dicamba	T16	AR	0.1	μg/l	1.3	1.5	3.0	0.1	13
Dichlorprop	T16	AR	0.1	μg/l	22	23	3.3	1.9	27
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	44	76	14	11	150
Mecoprop	T16	AR	0.1	μg/l	38	39	5.2	3.3	170

SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton Phenoxy Acid Herbs Suite

			SA	L Reference	229703 006	229703 007	229703 008	229703 009	229703 010
		Custon	ner Sampl	le Reference	BHB1	N3	S314	ВН9	BH11
			D	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Method	Test Sample	LOD	Units				100	
Dicamba	T16	AR	0.1	μg/l	12	<0.1	1.5	<0.1	0.1
Dichlorprop	T16	AR	0.1	μg/l	13	0.1	12	<0.1	<0.1
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	110	<0.1	1.2	0.2	0.3
Mecoprop	T16	AR	0.1	ug/l	97	21	70	0.2	0.5

SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton SVOC Suite

		- 10	SA	L Reference	229703 001	229703 002	229703 003	229703 004	229703 005
		Custon	ner Sampl	e Reference	S3/6	VF12	BH8/06	BH6/06	BH4
			Da	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
2,4,6-Trichlorophenol	T16	AR	10	μg/l	1200	<10	18	<10	12
2-Methyl-4,6-dinitrophenol	T16	AR	10	μg/l	<sup>(9)</sup> <1000	<10	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	μg/l	1900	<10	<10	<10	810
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	8500	14	<10	<10	230
Phenol	T16	AR	10	μg/l	<sup>(9)</sup> <1000	<10	<10	<10	<10

SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton SVOC Suite

			SA	L Reference	229703 006	229703 007	229703 008	229703 009	229703 010
		Custon	ner Sampl	e Reference	BHB1	N3	S314	ВН9	BH11
			D	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
2,4,6-Trichlorophenol	T16	AR	10	μg/l	17	<10	45	<10	<10
2-Methyl-4,6-dinitrophenol	T16	AR	10	μg/l	<10	<10	<10	<10	<10
4-Chloro-2-methylphenol	T16	AR	10	μg/l	<10	<10	25	<10	<10
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	170	240	2400	230	<10
Phenol	T16	AR	10	μg/l	<10	<10	<10	<10	<10

SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton VOC Suite

			SA	L Reference	229703 001	229703 002	229703 003	229703 004	229703 005
		Custon	ner Sampl	e Reference	S3/6	VF12	BH8/06	BH6/06	BH4
			D	ate Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
1,2-Dichlorobenzene	T54	AR	1	μg/l	<sup>(19)</sup> 690	1	<1	<1	2
1,2-Dichloroethane	T54	AR	1	μg/l	<sup>(19)</sup> 1200	<1	<1	<1	16
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	<sup>(19)</sup> 7100	16	3	2	<sup>(19)</sup> 1900
Cyclohexanone	T54	AR	10	μg/l	<sup>(5,19)</sup> 710	<sup>(5)</sup> <10	<sup>(5)</sup> <10	<sup>(5)</sup> <10	<sup>(5)</sup> <10
Tetrachloroethene	T54	AR	1	μg/l	<sup>(19)</sup> 46000	73	190	16	36
Toluene	T54	AR	1	μg/l	<sup>(19)</sup> 15000	21	6	5	3
Trichloroethene	T54	AR	1	μg/l	<sup>(19)</sup> 28000	64	32	8	38
Vinyl chloride	T54	AR	1	μg/l	<sup>(19)</sup> 590	4	<1	<1	320
Xylene (Total)	T54	AR	1	μg/l	<sup>(19)</sup> 4400	7	<1	<1	69

SAL Reference: 229703 Customer Reference: 907BRI

Water Analysed as Water

Vertase Hauxton VOC Suite

			SA	L Reference	229703 006	229703 007	229703 008	229703 009	229703 010
	Customer Sample Reference				BHB1	N3	S314	ВН9	BH11
			Da	te Sampled	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011	25-FEB-2011
Determinand	Method	Test Sample	LOD	Units					
1,2-Dichlorobenzene	T54	AR	1	μg/l	2	<1	<1	<1	<1
1,2-Dichloroethane	T54	AR	1	μg/l	16	<1	<1	<1	<1
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	<sup>(19)</sup> 1200	<1	2	1	<1
Cyclohexanone	T54	AR	10	μg/l	<sup>(5)</sup> <10	<sup>(5)</sup> <10	<sup>(5)</sup> <10	<sup>(5)</sup> <10	<sup>(5)</sup> <10
Tetrachloroethene	T54	AR	1	μg/l	26	<1	<1	<1	<1
Toluene	T54	AR	1	μg/l	3	<1	140	<1	<1
Trichloroethene	T54	AR	1	μg/l	18	<1	1	<1	<1
Vinyl chloride	T54	AR	1	μg/l	240	<1	2	<1	<1
Xvlene (Total)	T54	AR	1	ua/l	150	<1	97	<1	<1

#### Index to symbols used in 229703-1

Value	Description										
AR	As Received										
19	Due to high levels the analysis was conducted on a diluted sample										
5	Results are Semiquantitative										
9	LOD raised due to dilution of sample										
U	Analysis is UKAS accredited										
N	Analysis is not UKAS accredited										

#### **Method Index**

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

#### **Accreditation Summary**

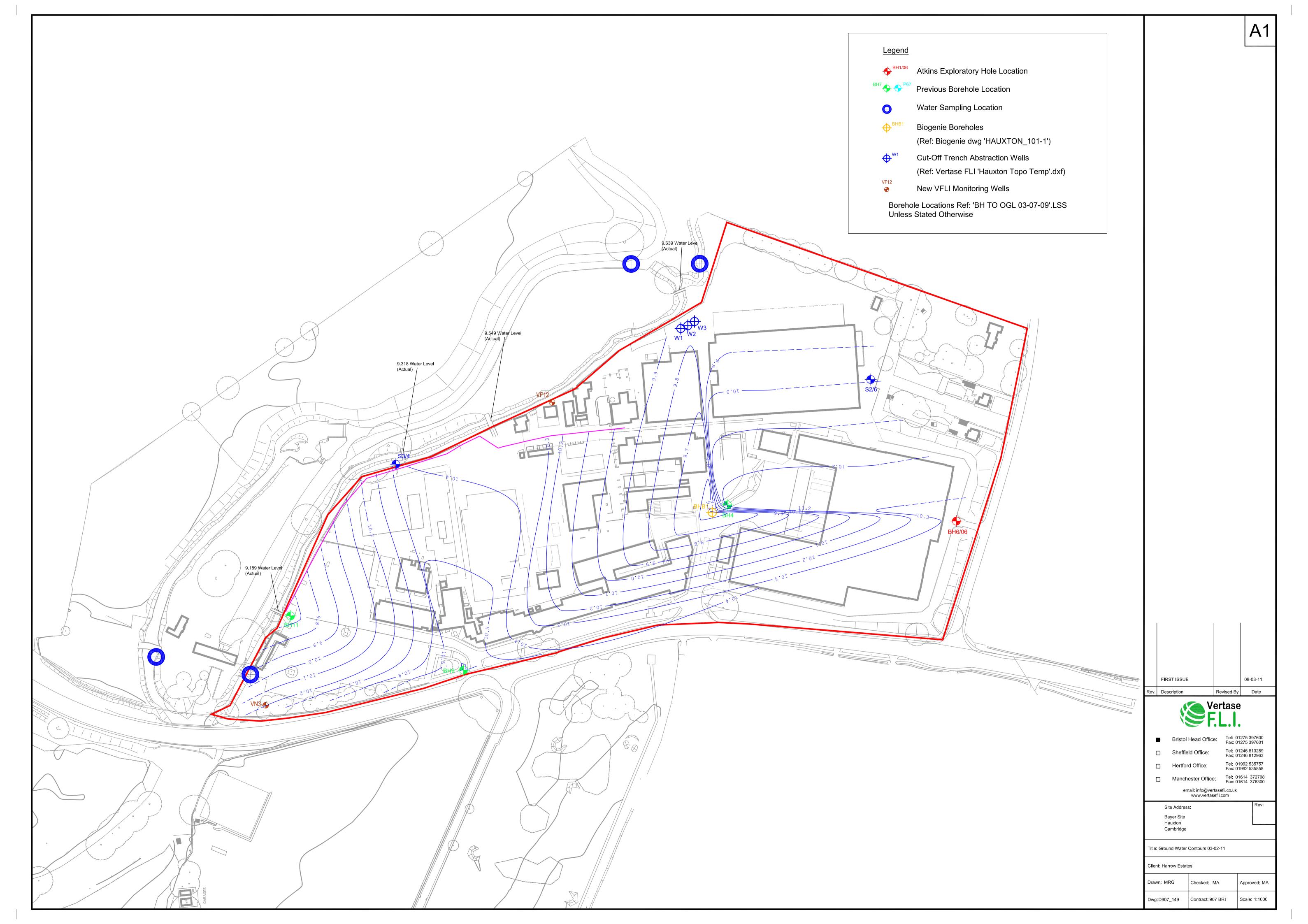
Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	μS/cm	N	001-010
рН	T7	AR			U	001-010
Dimefox	T16	AR	0.1	μg/l	N	001-010
Ethofumesate	T16	AR	0.1	μg/l	N	001-010
Hempa	T16	AR	0.1	μg/l	N	001-010
Schradan	T16	AR	0.1	μg/l	N	001-010

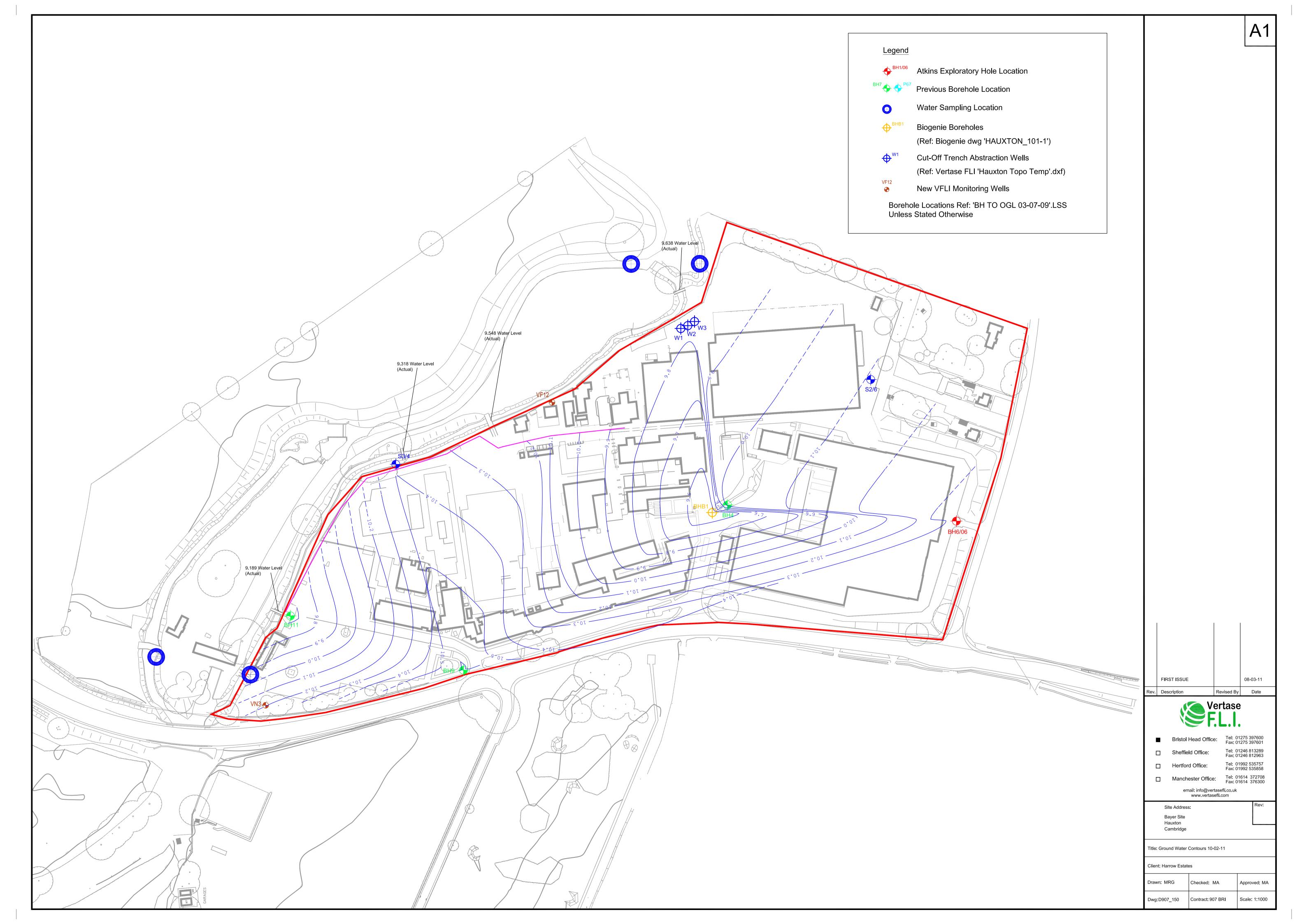
Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Simazine	T16	AR	0.01	μg/l	N	001-010
Dicamba	T16	AR	0.1	μg/l	N	001-010
Dichlorprop	T16	AR	0.1	μg/l	N	001-010
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	N	001-010
Mecoprop	T16	AR	0.1	μg/l	N	001-010
2,4,6-Trichlorophenol	T16	AR	10	μg/l	U	001-010
2-Methyl-4,6-dinitrophenol	T16	AR	10	μg/l	N	001-010
4-Chloro-2-methylphenol	T16	AR	10	μg/l	N	001-010
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	U	001-010
Phenol	T16	AR	10	μg/l	U	001-010
1,2-Dichlorobenzene	T54	AR	1	μg/l	U	001-010
1,2-Dichloroethane	T54	AR	1	μg/l	U	001-010
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	U	001-010
Cyclohexanone	T54	AR	10	μg/l	N	001-010
Tetrachloroethene	T54	AR	1	μg/l	U	001-010
Toluene	T54	AR	1	μg/l	U	001-010
Trichloroethene	T54	AR	1	μg/l	U	001-010
Vinyl chloride	T54	AR	1	μg/l	U	001-010
Xylene (Total)	T54	AR	1	μg/l	U	001-010

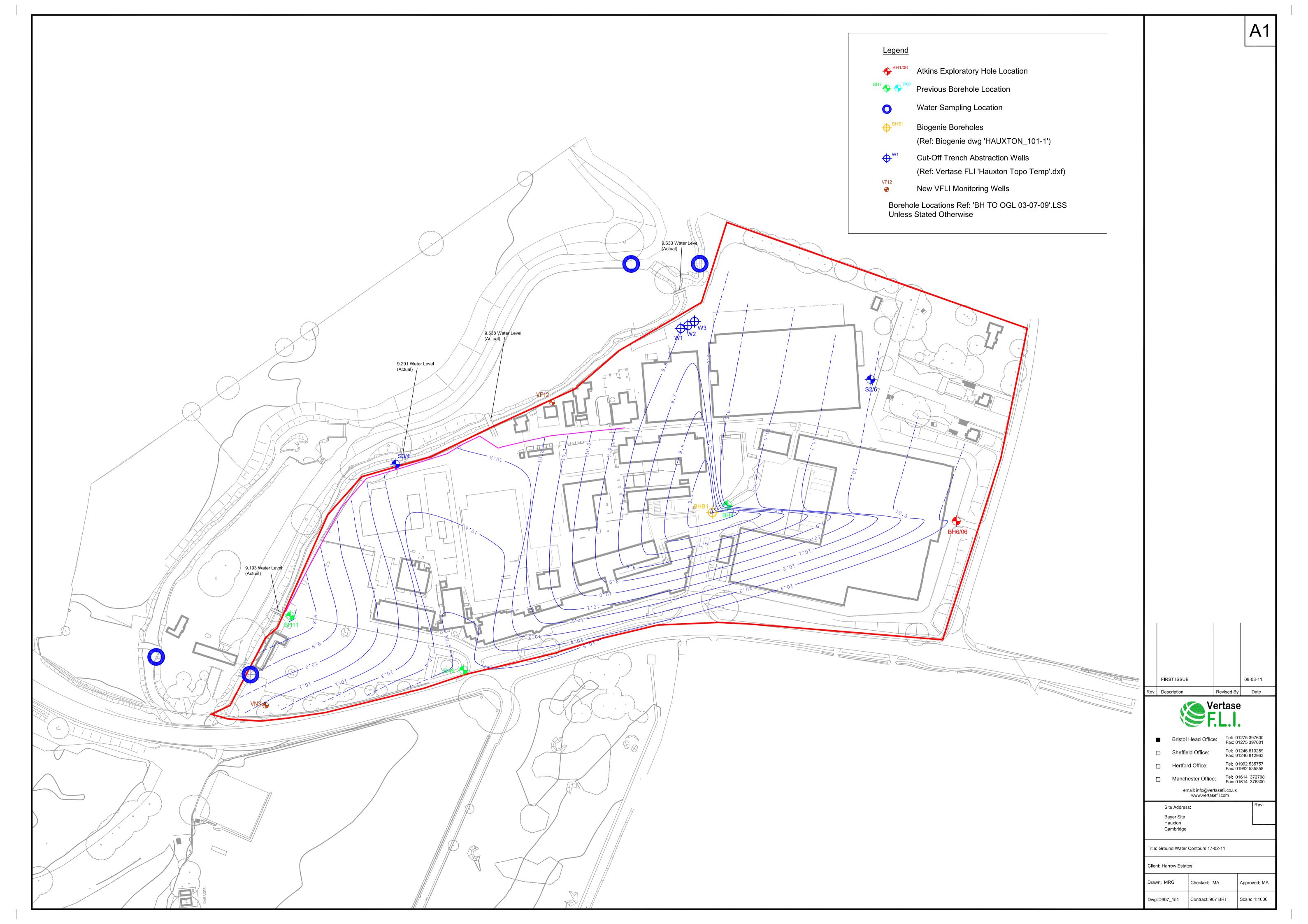


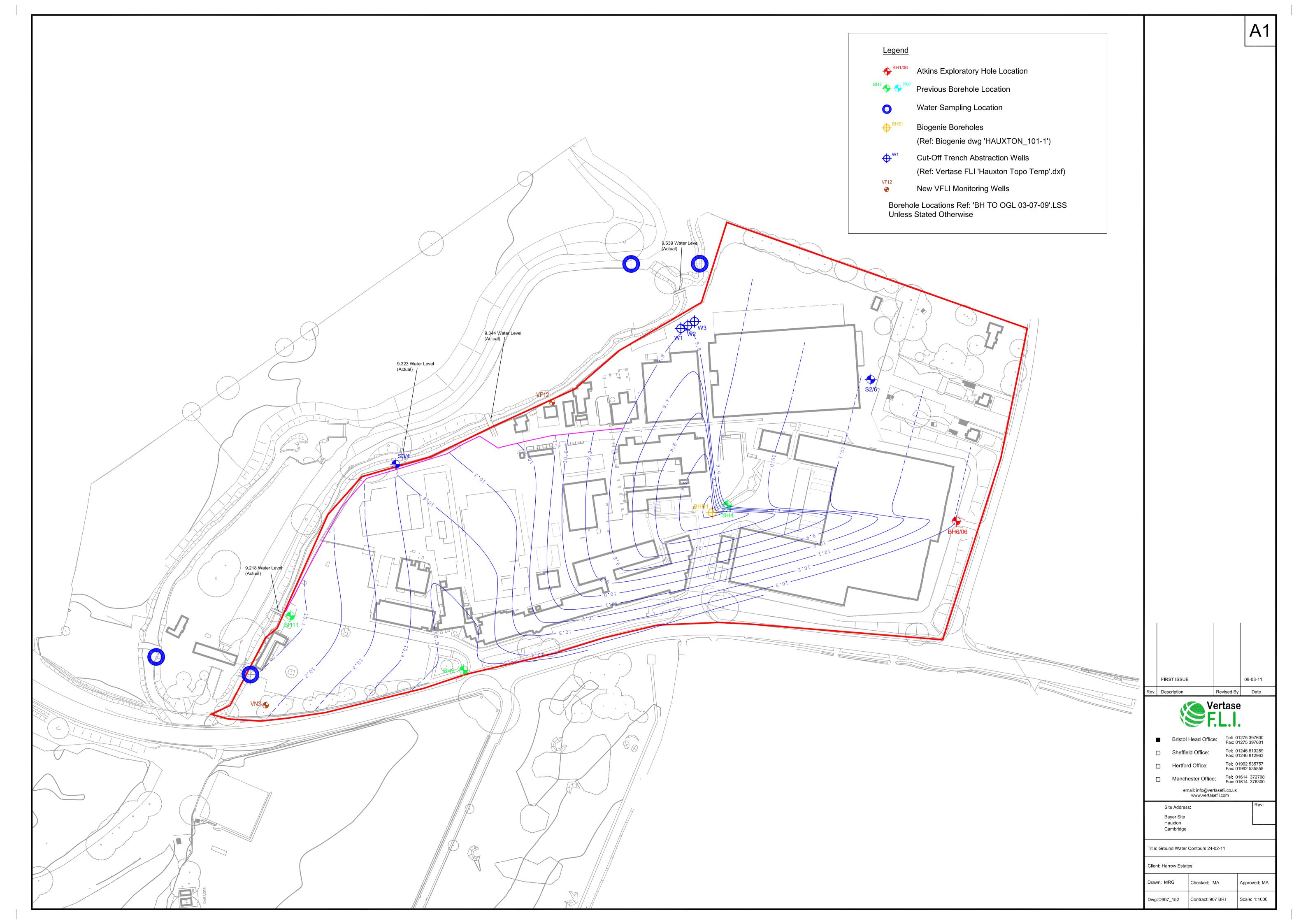


Appendix G
Groundwater Contour Plots











Appendix H
Waste Water Treatment Plant Discharge Analysis

				Suspended		Biochemical					Total Atrazine, Trietazine					
			Sulphate	Solids	Ammoniacal	Oxygen					and				'	<u> </u>
	Bromide	Chloride		(Total)	Nitrogen	Demand	рН	Atrazine	Trietazine	Simazine	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	To	otal of all th	ree	250	50	20	50	274	135
01/03/2010 17/03/2010 193447 Discharge Point	0.30	84.00	150.00	<10	< 0.05	<3	8.4	< 0.02	0.07	< 0.01	0.07	<0.1	0.40	<0.1	<0.1	<0.1
30/03/2010 09/04/2010 195429 Discharge Point	0.40	110.00	180.00	<10	< 0.05	<3	8.7	<0.01	<0.01	<0.01	0.00	<0.1	0.30	<0.1	0.40	<0.1
08/04/2010 13/04/2010 196139 T99 Circ	<1.0	110.00	190.00	<10	< 0.05	<3	8.0	< 0.01	<0.01	< 0.01	0.00	<0.1	<0.1	<0.1	2.90	0.40
10/04/2010 19/04/2010 196379 T100 Circ	<1.0	110.00	190.00	<10	0.05	<3	7.9	<0.01	0.01	<0.01	0.01	<0.1	<0.1	<0.1	0.90	0.30
12/04/2010 21/04/2010 196517 T100 Circ	<1.0	1100.00	200.00	<10	< 0.05	<3	8.2	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	1.50	<0.1
28/04/2010 19/05/2010 199291 Discharge Point	<1.0	130.00	200.00	<10	< 0.05	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	5.10	1.50
07/05/2010 17/05/2010 199176 T99 Discharge	<1.0	110.00	200.00	<10	<0.05	6.6	8.2	<0.01	<0.01	<0.01	0.00	<0.2	3.00	<0.2	3.30	0.60
18/05/2010 01/06/2010 200382 Discharge Point	<1.0	180.00	280.00	<10	0.09	<3	8.0	<0.01	0.01	<0.01	0.01	0.60	5.20	0.20	6.30	3.80
28/05/2010 17/06/2010 201487 Discharge Point	<1.0	130.00	210.00	<10	< 0.05	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	1.30	<0.1	4.30	1.10
15/06/2010 28/06/2010 203351 WTW Discharge	2.7	240.00	320.00	<10	0.05	<3	8.1	<0.01	0.02	<0.01	0.02	<0.1	2.40	0.2	4.10	1.00
01/07/2010 19/07/2010 205613 WWTW Discharge	3.3	290.00	370.00	13	0.07	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	0.40	<0.1	<0.1	<0.1
05/08/2010 16/08/2010 208693 WWTW Discharge	<1.0	160.00	300.00	<10	<0.05	<3	8.0	0.02	0.09	0.02	0.13	<0.5	0.40	<0.1	<0.1	<0.1
19/08/2010 26/08/2010 209961 WWTW Discharge	<0.1	160.00	260.00	<10	< 0.05	<3	7.7	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	<0.1	<0.1
01/09/2010 09/09/2010 211356 WWTW Discharge	2.6	180.00	280.00	<10	<0.05	5	8.1	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	2.9	<0.1
16/09/2010 29/09/2010 212901 WWTW Discharge	<0.1	86.00	170.00	<10	0.08	<3	7.9	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	3.5
24/09/2010 04/10/2010 213745 WWTW Discharge	<0.1	160.00	340.00	35	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	0.6
08/10/2010 21/10/2010 215625 WWTW Discharge	<0.1	150.00	270.00	<10	< 0.05	<3	8.2	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	52	2.2
21/10/2010 01/11/2010 216826 WWTW Discharge	<0.1	200.00	240.00	11	< 0.05	<3	7.7	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.1	24	9.4
10/11/2010 22/11/2010 218850 WWTW Discharge	<0.1	81.00	120.00	<10	< 0.05	<3	8.1	<0.01	0.03	<0.01	0.03	<0.1	0.7	<0.1	15	6.2
16/11/2010 23/11/2010 219447 WWTW Discharge	<0.1	150.00	160.00	<10	<0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	0.9	0.1	14	24
09/12/2010 23/12/2010 222558 WWTW Discharge	<0.2	64.00	120.00	<10	0.73	<3	8.1	<0.01	<0.01	<0.01	0.00	<0.1	2.9	0.3	10	5.1
22/12/2010 13/01/2011 223307 WWTW Discharge	<0.1	66.00	100.00	<10	< 0.05	<3	8.0	<0.01	<0.01	<0.01	0.00	<0.1	<0.1	<0.01	11	8.5
13/01/2011 25/01/2011 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
15/02/2011 23/02/2011 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



# Scientific Analysis Laboratories Certificate of Analysis

Hadfield House Hadfield Street Cornbrook Manchester M16 9FE

Tel: 0161 874 2400 Fax: 0161 874 2468

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

Report Number: 228099-1

Date of Report: 23-Feb-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: 16-Feb-2011
Date Analysis Started: 17-Feb-2011
Date Analysis Completed: 23-Feb-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



Report checked and authorised by : Amelia McVennon Project Manager Issued by : Amelia McVennon Project Manager SAL Reference: 228099 Customer Reference: 907 BRI

Water Analysed as Water

Miscellaneous

			SA	L Reference	228099 001	228099 002	228099 003	228099 004	228099 005	228099 006	
		Custon	ner Sampl	le Reference	T99 IN	STRIPPER OUT	MIXING SUMP	PRIMARY IN	PRIMARY OUT	DISCHARGE	
			D	ate Sampled	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	
Determinand	Method	Test Sample	LOD	Units							
Ammoniacal nitrogen	noniacal nitrogen T4 AR 50 µg/l				1100	1100	90	70	100	80	
Biochemical Oxygen Demand	xygen Demand T7 AR 3000 µg/		μg/l	<3000	3200	<3000	<3000	<3000	<3000		
pH	T7	AR			7.7	7.9	8.3	8.3	8.8	9.1	

SAL Reference: 228099 Customer Reference: 907 BRI

Water Analysed as Water

Suite A

			SA	L Reference	228099 001	228099 002	228099 003	228099 004	228099 005	228099 006	
		Custon	ner Sampl	e Reference	T99 IN	STRIPPER OUT	MIXING SUMP	PRIMARY IN	PRIMARY OUT	DISCHARGE	
			Da	ate Sampled	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011 15-FEB-2011		15-FEB-2011	
Determinand	Determinand Method Cast LOD Units				174 - 413		Telephone 1				
Determinand	Metriou	Sample	LOD	Office							
Atrazine	e T16 AR 0.01 µg/l				14	50	6.4	7.8	<0.01	<0.01	
Trietazine	T16	AR	0.01	μg/l	52	100	91	95	<0.01	<0.01	

SAL Reference: 228099 Customer Reference: 907 BRI

Water Analysed as Water

Suite B

Suite B										
		100	SA	L Reference	228099 001	228099 002	228099 003	228099 004	228099 005	228099 006
	Custon	ner Sampl	e Reference	T99 IN	STRIPPER OUT	MIXING SUMP	PRIMARY IN	PRIMARY OUT	DISCHARGE	
	- 3	Da	ate Sampled	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	
Determinand	Test Sample	LOD	Units	Wei Sin						
Benazolin	T16	AR	0.1	μg/l	0.4	<0.1	0.9	0.9	1.0	1.1
2,3,6-TCB T16 AR 0.1 μg/l					1.3	1.0	6.2	0.9	<0.1	<0.1

SAL Reference: 228099 Customer Reference: 907 BRI

Water Analysed as Water

Suite C

			SA	L Reference	228099 001	228099 002	228099 003	228099 004	228099 005	228099 006
		Custon	ner Sampl	e Reference	T99 IN	STRIPPER OUT	MIXING SUMP	PRIMARY IN	PRIMARY OUT	DISCHARGE
			D	ate Sampled	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011
Determinand	Method	Test Sample	LOD	Units						
Bromide	T253	AR	100	μg/l	<1000	<1000	<1000	<1000	<1000	<1000
Chloride	T253	AR	200	μg/l	170000	140000	150000	170000	170000	170000
Sulphate ion	ulphate ion T253 AR 100 μg/l		μg/l	220000	210000	220000	230000	230000	220000	
Suspended Solids (Total)	T2	AR	10000	μg/l	11000	16000	42000	<10000	<10000	<10000

SAL Reference: 228099 Customer Reference: 907 BRI

Water Analysed as Water

Suite D

			SA	L Reference	228099 001	228099 002	228099 003	228099 004	228099 005	228099 006
		Custon	ner Sampl	e Reference	T99 IN	STRIPPER OUT	MIXING SUMP	PRIMARY IN	PRIMARY OUT	DISCHARGE
		Da	ate Sampled	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	15-FEB-2011	
Determinand	Determinand Method Test Sample LOD Units									
Dicamba	T16	AR	0.1	μg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hempa	T16	AR	0.1	μg/l	6.0	5.7	5.9	7.8	<0.1	<0.1
Schradan	T16	AR	0.1	μg/l	1.1	1.4	1.9	2.1	<0.1	<0.1
Simazine	T16	AR	0.01	μg/l	15	14	8.4	9.6	<0.01	<0.01

SAL Reference: 228099 Customer Reference: 907 BRI

Water Analysed as Water

Suite E

			SA	L Reference	228099 001	228099 002	228099 003	228099 004	228099 005	228099 006
		Custon	ner Sampl	e Reference	T99 IN STRIPPER OUT M		MIXING SUMP	PRIMARY IN	PRIMARY OUT	DISCHARGE
Date Sampled					15-FEB-2011	15-FEB-2011 15-FEB-2011		15-FEB-2011 15-FEB-2011		15-FEB-2011
Determinand	Determinand Method Test Sample LOD Units							NP-		
TVC at 22 C after 3 days	C after 3 days T34 AR 10 cfu/ml			9300	1200	5000	7700	5600	9300	
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	560	1100	760	2000	560	40

9.1

7.7

SAL Reference: 228099 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton Suite

рН

			SA	L Reference	228099 001	228099 006					
	Customer Sample Reference										
	15-FEB-2011	15-FEB-2011									
Determinand	Method	Test Sample	LOD	Units							
Electrical Conductivity	T7	AR	10	μS/cm	1300	1200					

SAL Reference: 228099 Customer Reference: 907 BRI

T7

AR

Water Analysed as Water

Vertase Hauxton OP/ON Suite

	228099 001	228099 006				
	T99 IN	DISCHARGE				
	15-FEB-2011	15-FEB-2011				
Determinand						
Dimefox	T16	AR	0.1	μg/l	0.3	<0.1
Ethofumesate	T16	AR	0.1	μg/l	120	<0.1
Hempa	T16	AR	0.1	μg/l	6.0	<0.1
Schradan	T16	AR	0.1	μg/l	1.1	<0.1
Simazine	T16	AR	0.01	μg/l	15	<0.01

SAL Reference: 228099 Customer Reference: 907 BRI Water Analysed as Water Vertase Hauxton Phenoxy Acid Herbs Suite SAL Reference 228099 001 228099 006 **Customer Sample Reference** T99 IN DISCHARGE Date Sampled 15-FEB-2011 15-FEB-2011 Test Sample Determinand Method LOD Units Dicamba T16 AR 0.1 <0.1 <0.1 μg/l T16 AR 0.1 <0.1 <0.1 μg/l T16 AR Phenoxy Acetic acid herbicide: MCPA 0.1 <0.1 <0.1 μg/l Mecoprop T16 AR 0.1 μg/l <0.1 <0.1

SAL Refe	rence: 22	28099						
Customer Refe	rence: 90	7 BRI						
Water Analysed as Water Vertase Hauxton SVOC Suite								
			SA	L Reference	228099 001	228099 006		
	Customer Sample Reference T99 IN DISCHAR							
			D	ate Sampled	15-FEB-2011	15-FEB-2011		
Determinand	Determinand Method Test Sample LOD Units					NEW TO		
2,4,6-Trichlorophenol	T16	AR	10	μg/l	<10	<10		
2-Methyl-4,6-dinitrophenol	2-Methyl-4,6-dinitrophenol T16 AR 10 µg/l							
4-Chloro-2-methylphenol	T16	AR	10	μg/l	<10	<10		
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	<10	<10		
Phenol	T16	AR	10	μg/l	<10	<10		

		76.00			41174				
SAL Reference: 228099									
Customer Reference: 907 BRI									
Water Analysed as Water									
Vertase Hauxton VOC Su	ite								
				L Reference	228099 001	228099 006			
		Custor	ner Samp	le Reference	T99 IN	DISCHARGE			
			D	ate Sampled	15-FEB-2011	15-FEB-2011			
Determinand	Method	Test Sample	LOD	Units					
1,2-Dichlorobenzene	T54	AR	1	μg/l	<1	<1			
1,2-Dichloroethane	T54	AR	1	μg/l	(13) <1	<sup>(13)</sup> <1			
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	9	<1			
Cyclohexanone	T54	AR	10	μg/l	<10	<10			
Tetrachloroethene	T54	AR	1	μg/l	26	<1			
Toluene	T54	AR	1	μg/l	<1	<1			
Trichloroethene	T54	AR	1	μg/l	6	<1			
Vinyl chloride	T54	AR	1	μg/l	1	<1			
Xylene (Total)	T54	AR	1	μg/l	<1	<1			

#### Index to symbols used in 228099-1

Value	Description						
AR	As Received						
13	Results have been blank corrected.						
W	Analysis was performed at another SAL laboratory						
S	Analysis was subcontracted						
U	Analysis is UKAS accredited						
N	Analysis is not UKAS accredited						

#### **Method Index**

Value	Description				
T7	Probe				
T253	IC(EID299)				

T34	Micro			
T54	GC/MS (Headspace)			
T16	GC/MS			
T4	Colorimetry			
T2	Grav			

## **Accreditation Summary**

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Ammoniacal nitrogen	T4	AR	50	μg/l	U	001-006
Biochemical Oxygen Demand	T7	AR	3000	μg/l	N	001-006
pH	T7	AR			U	001
Atrazine	T16	AR	0.01	μg/l	N	001-006
Trietazine	T16	AR	0.01	μg/l	N	001-006
Benazolin	T16	AR	0.1	μg/l	N	001-006
2,3,6-TCB	T16	AR	0.1	μg/l	N	001-006
Bromide	T253	AR	100	μg/l	WU	001-006
Chloride	T253	AR	200	μg/l	WU	001-006
Sulphate ion	T253	AR	100	μg/l	WU	001-006
Suspended Solids (Total)	T2	AR	10000	μg/l	N	001-006
Hempa	T16	AR	0.1	μg/l	N	001
Schradan	T16	AR	0.1	μg/l	N	001
Simazine	T16	AR	0.01	μg/l	N	001
TVC at 22 C after 3 days	T34	AR	10	cfu/ml	SN	001-006
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	SN	001-006
Electrical Conductivity	T7	AR	10	μS/cm	N	001,006
Dimefox	T16	AR	0.1	μg/l	N	001,006
Ethofumesate	T16	AR	0.1	μg/l	N	001,006
Dicamba	T16	AR	0.1	μg/l	N	001
Dichlorprop	T16	AR	0.1	μg/l	N	001,006
Phenoxy Acetic acid herbicide: MCPA	T16	AR	0.1	μg/l	N	001,006
Mecoprop	T16	AR	0.1	μg/l	N	001,006
2,4,6-Trichlorophenol	T16	AR	10	μg/l	U	001,006
2-Methyl-4,6-dinitrophenol	T16	AR	10	μg/l	N	001,006
4-Chloro-2-methylphenol	T16	AR	10	μg/l	N	001,006
Bis (2-chloroethyl) ether	T16	AR	10	μg/l	U	001,006
Phenol	T16	AR	10	μg/l	U	001,006
1,2-Dichlorobenzene	T54	AR	1	μg/l	U	001,006
1,2-Dichloroethane	T54	AR	1	μg/l	U	001,006
Cis-1,2-Dichloroethylene	T54	AR	1	μg/l	U	001,006
Cyclohexanone	T54	AR	10	μg/l	N	001,006
Tetrachloroethene	T54	AR	1	μg/l	U	001,006
Toluene	T54	AR	1	μg/l	U	001,006
Trichloroethene	T54	AR	1	μg/l	U	001,006
Vinyl chloride	T54	AR	1	μg/l	U	001,006
Xylene (Total)	T54	AR	1	μg/l	U	001,006



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 peak	s detected
12.04.2010	06.05.2010	K16	Series of Aromatic Hydrocarbons circa C <sub>13</sub> -C <sub>16</sub>	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.
			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.
15.04.2010	06.05.2010 (09.06.2010)	J16	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 <sub>14</sub>	240,000	Potential herbicide degradation products. The structures are smaller and less complex
			Unidentified branched aromatic alcohol, C <sub>18</sub>	290,000	than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by
			Phenanthrene	4,100	Constitution of and accepted distinguish
15.04.2010	06.05.2010	i.2010 K14	Fluoranthene	4,800	Encountered and assessed during site investigation, concentration below target
15.04.2010	06.05.2010		Pyrene	3,900	value
			Benzo(b/k)Fluoranthene	2,200	value
			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.
07.05.2010	24.05.2010	К9	Unidentified Aliphatic Hydrocarbon circa C <sub>30</sub>	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 <sub>8</sub> 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 CI circa C <sub>7</sub>	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 <sub>30</sub>	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		
			1,2-bis(2,4,6- trichlorophenoxy)ethane	6,900	Potential Prochloraz degradation product
			Prochloraz	9,100	Fungicide
13.05.2010	24.05.2010 (09.06.2010)	H9	Unidentified aromatic hydrocarbon containing CI circa C <sub>8</sub>	9,400	Potential herbicide degradation products. The structures are smaller and less complex than contaminants of concern and will
			Unidentified aromatic amine containing CI circa C <sub>11</sub>	2,100	therefore degrade more readily than the target contaminants and will be captured by the remediation process.
13.05.2010	24.05.2010	17	No SVOC peaks detected		
			2,4-Dichloro-o-cresol	29,000	
			2,3,6-Trichlorotoluene	47,000	Potential herbicide degradation product
			1-(2-Chloroethoxy)-2-(o-Tolyloxy)- ethane	20,000	· · · · · · · · · · · · · · · · · · ·
	24.05.2010		Unidentified aromatic alcohol	25,000	Potential herbicide degradation products.
13.05.2010	(09.06.2010)	I IG	containing Cl circa C <sub>7</sub>		The structures are smaller and less complex than contaminants of concern and will
			Unidentified aromatic hydrocarbon containing O circa C <sub>16-18</sub>	12,000	therefore degrade more readily than the target contaminants and will be captured by the remediation process.
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	18	2-methyl phenol	5,500	Encountered and assessed during site investigation, not a priority contaminant
18.06.2010	29.06.2010	10	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
			Dichloromethyl phenol	1,800,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			Naphthalene	4,600,000	Encountered and assessed during site
1			2-methylnaphthalene	3,900,000	investigation, not a priority contaminant

20.07.2010	21.07.2010	K10 NAPL	1-methylnaphthalene	2,400,000	More toxic than 2-methylnaphthalene, must
20.01.20.0	2.107.120.10		CAS 90-12-0	2, 100,000	be assessed separately
			Dinoseb		2-(1-methylpropyl)-4,6-dinitro- phenol
			CAS 88-85-7	68,000,000	herbicide and insecticide. Yellow crystalline
					solid.
			Dichloromethyl phenol	24,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			1-(2-Chloroethoxy)-2-(o-Tolyloxy)-		
			ethane CAS 21120-	13,000	Same as I9
			80-9		
			1,2,4-Trichlorobenzene	28,000	Encountered and assessed during site
21.07.2010	22.07.2010	J10	Trichlorobenzene	32,000	investigation, not a priority contaminant
			2-Chlorotoluene	60,000	investigation, not a priority contaminant
			Trichloro toluene isomer	48,000	Same as I9
			Trichloro benzenamine isomer	11,000	
			2,3-Dichlorotoluene	200,000	Potential herbicide degradation product
			CAS 32768-54-0	290,000	
04.07.0040	00.07.0040	1.44	Dichloromethyl phenol	F 000	As for 2,4-Dichloro-o-cresol (I9, H7, K10
21.07.2010	22.07.2010	L11		5,000	J10)
			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
28.07.2010	02.08.2010	0 H10	Dichlorotoluene isomer		6 possible isomers, but very little data, using
				52,000	surrogate.
			2-Chlorotoluene	39.000	Encountered and assessed during site
			Trichlorobenzene	350,000	investigation, not a priority contaminant
			2,4-Dichloro-o-cresol		
			CAS 1570-65-6	5,000	As for I9, H7, K10, J10, L11, H10
28.07.2010	02.08.2010	I10	Trichloro toluene isomers		
			The meneral tendence recimene	24,000	Same as I9, J10, H10
03.08.2010	04.08.2010	L12	2,4-Dichloro-o-cresol	7,000	As for I9, H7, K10, J10, L11, H10, I10
			CAS 1570-65-6	.,	
03.08.2010	04.08.2010	L13	No VOC/SVOC peaks detected		
03.08.2010	04.08.2010	K12	2.4-Dichloro-o-cresol	7,000	As for I9, H7, K10, J10, L11, H10, I10, L12
03.06.2010	04.06.2010	K12	CAS 1570-65-6	7,000	AS 101 19, H7, K10, 310, L11, H10, 110, L12
03.08.2010	04.08.2010	K13 sand		60,000	As for LO L4O Culphur
03.08.2010	04.08.2010		Cyclo octaatomic sulphur	68,000	As for L8, L10 - Sulphur
2= 22 2212		& gravel	0.4.5:11	050.000	A ( 10 117 140 140 144 1140 140 140
05.08.2010	N/A	K13 chalk	2,4-Dichloro-o-cresol	650,000	As for I9, H7, K10, J10, L11, H10, I10, L12
			CAS 1570-65-6		K12
			Trichloro toluene isomers	1,140,000	Same as I9, J10, H10, I10
		1-(2-Chloroethoxy)-2-(o-Tolyloxy)-	140,000	Same as I9 and J10	
		ethane CAS 21120-			
			80-9		
			Dichlorotoluene isomer	99,000	Same as J10, H10
			2-Chlorotoluene	12,000	Encountered and assessed during site
		<u> </u>			investigation, not a priority contaminant
05.08.2010	N/A	K11	2,4-Dichloro-o-cresol	22,000	As for I9, H7, K10, J10, L11, H10, I10, L12,
		<u> </u>	CAS 1570-65-6		K12, K13
05.08.2010	N/A	J11	2,4-Dichloro-o-cresol	220,000	As for I9, H7, K10, J10, L11, H10, I10, L12
			CAS 1570-65-6		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	l13	1-methylnaphthalene CAS 90-12-0	100	Same as K10NAPL
			Phenanthrene	200	Encountered and assessed during site
			Fluoranthene	300	investigation, not a priority contaminant
			Pyrene	300	
01.09.2010	N/A	l14	Benzo(b/k)Fluoranthene Trichloro methyl benzene (trichloro toluene)	200 400	Same as I9, J10, H10, I10, K13, J11
01.09.2010	N/A	l15	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

I	1		Dibenzofuran	24,000	Encountered and assessed during site
			Phenanthrene	60,000	investigation, not a priority contaminant
			Fluoranthene	29,000	investigation, not a priority contaminant
			Acenaphthene	31,000	
24.09.2010	N/A	J15	Methylpropyl phenol	340	Encountered and assessed during site
24.09.2010	IN/A	313	метпургоруг рпепог	340	investigation, not a priority contaminant
24.09.2010	28.09.2010	H13	Oxathiane 4,4-dioxide	220	
			CAS 107-61-9		
	N/A		Trichloro methyl benzene (trichloro toluene)	230	Same as I9, J10, H10, I10, K13, J11, I14,
			Dichloromethylphenol	2100	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11
			1-(2-Chloroethoxy)-2-(o-Tolyloxy)-	470	Same as 19, J10, K13
			ethane CAS 21120- 80-9		
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	investigation, not a phonty contaminant
22.10.2010	25.10.2010	G12	Nicotine	6400	Natural insecticide
	N/A	GIZ	Dichloromethyl phenol	2900	As for I9, H7, K10, J10, L11, H10, I10, L12,
(216017)	IN/A				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 i 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	0.0	
29.10.2010	N/A	H17	No VOC/SVOC montro data at1		
(216821)			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

	ĺ		Isophorone	7100	Encountered and assessed during site
			Benzyl Chloride	200	investigation, not a priority contaminant
			(1-chloro-2-methylbenzene		gara, araq a yaran
			CAS 95-49-8)		
			Methylpropyl phenol	7100	
			3,3,5-	700	
			trimethyl cyclohexanone		
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	2400	Same as I9, J10, H10, I10, K13, J11, I14,
			(trichloro toluene)		I11, H13
			1-Methyl naphthalene	760	Same as K10NAPL, I13, I12, G13
			2-methyl phenol	800	Encountered and assessed during site
			Methylpropyl phenol	22000	investigation, not a priority contaminant
			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	30.11.2010	G15	Ethyl methyl phenol	18000	Risk Assessment
(216817)			Dimethyl naphthalene	59000	Risk Assessment
l` ′	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-	600	As J14, H12
			methyl benzene (ethyl toluene)		
			Ethyltoluene	300	
			Isophorone	37000	Encountered and assessed during site
			Naphthalene	43000	investigation, not a priority contaminant
			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		
` /	N1/A				
08.11.2010	N/A	N4	No VOC/SVOC peaks detected		
(217797)					
08.11.2010	N/A	N5	No VOC/SVOC peaks detected		
(217797)					
08.11.2010	N/A	M9	No VOC/SVOC peaks detected		
(217800)					
18.11.2010	N/A	16	No VOC/SVOC peaks detected		
(218834)					
23.11.2010	N/A	L4	No VOC/SVOC peaks detected		
(219458)					
23.11.2010	N/A	N3	No VOC/SVOC peaks detected		
(219456)					
20.01.2011	N/A	F11	No VOC/SVOC peaks detected		
(224432)					
20.01.2011	N/A	F12	No VOC/SVOC peaks detected		
(224432)					
20.01.2011	24.01.2011	F13	Total Petroleum Hydrocarbons	16000	Controlled Waters risk assessment required,
(224432)			(C8-C14)		Human Health risk assessment previously
					actioned
20.01.2011	24.01.2011	E12	Total Petroleum Hydrocarbons	28000	Controlled Waters risk assessment required,
(224432)			(C8-C14)		Human Health risk assessment previously
					actioned
	N/A		1-Ethyl-2-Methylbenzene (o-ethyl	300	As J14, H12, G15
			toluene) CAS 611-14-3		
			1,2,4-Trimethylbenzene	700	Encountered and assessed during site
					investigation, not a priority contaminant
20.01.2011	24.01.2011	E13	DDD	4100	Pesticide Risk Assessment Required.
(224432)	N/A		m/p ethyl toluene	1200	Encountered and assessed during site
			m-ethyl toluene:1-ethyl-3-		investigation, not a priority contaminants
			methylbenzene, CAS 620-14-4		
			p-ethyl toluene: 1-ethyl-4-		
			methylbenzene, CAS 622-96-8		
	24.01.2011		Total Petroleum Hydrocarbons	73000	Controlled Waters risk assessment required,
			(C8-C13)		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
			4 /4	0700	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	<del>- </del>
			p-Isopropyltoluene	400	
			p-isopropyrioruene	400	