











Environmental Monitoring Report

Reporting Period 03/01/2011-30/01/2011

Former Bayer Crop Science Site Hauxton Cambridgeshire

10th February 2011

Author:

M.J. Allsobrook M.Sc. B.Sc. Project Manager

On behalf of:

Harrow Estates Plc

Vertase F.L.I. Limited 3000 Aviator Way Manchester Business Park Manchester M22 5TG

Tel +44 (0) 161 437 2708 Fax +44 (0) 161 437 6300

Email info@vertasefli.co.uk www.vertasefli.co.uk



CONTENTS

1.0 Int	roduction	1
1.1.	General	1
1.2.	The site	1
1.3.	Remediation Brief and Philosophy	1
2.0	Monthly Progress	3
И И	Veek 43. Week Commencing 3 rd January 2011 Veek 44. Week Commencing 10 th January 2011 Veek 45. Week Commencing 17 th January 2011 Veek 46. Week Commencing 24 th January 2011 Environmental Monitoring Summary	3 3 4
3.1.	Odour and VOC Emissions	5
3.2.	Dust Fibre and Particulate Emission	7
3.3.	Control of Mud and Debris	8
3.4.	Noise	8
3.5.	Litter	8
4.0	Surface and Ground Water Condition	9
4.1.	Surface Water Monitoring	9
4.2.	Surface Water Sampling and Analysis	9
4.3.	Groundwater Level Monitoring1	0
4.4.	Groundwater Sampling and Analysis1	1
5.0	Waste Water Treatment Plant1	2
6.0	Contaminants Not Previously Identified1	4



APPENDICIES

- A Drawings
- B Environmental Monitoring Data
- C Long Term Passive VOC Monitoring
- D Directional Dust Monitoring
- E Groundwater Level Data
- F Surface Water and Groundwater Analysis Reports
- G Groundwater Contour Plots
- H Waste Water Treatment Plant Discharge Analysis
- I Soil Characterisation Results Summary



1.0 Introduction

1.1. General

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

The time period that this report represents is from the 3rd of January 2011, until the 30th of January 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 43. Week Commencing 3rd January 2011

Excavation of contaminated materials was undertaken in grid squares F14 and F15, this material was formed in to treatment windrows in the east of the site, this material was non odorous and did not require covering. A trial pitting exercise was undertaken to assess level of contamination and characterise materials in grid squares to the east of the site, this area had been previously excavated to remove heavily impacted madeground. Due to recent snow fall and wet weather turning of treatment beds was restricted to materials stored in the high bay warehouse, as this material was dry enough to be processed. Spent mushroom compost was added to a number of treatment beds to aid in the biodegradation of contaminants and maintain the heat within the treatment beds. A temporary pedestrian footpath was installed around the Mill Lane car park adjacent to form a diversion route while works are undertaken near the original line of the Mill Lane footpath.

Week 44. Week Commencing 10th January 2011

Excavation of contaminated materials continued through in to grid squares F15 and F16, with treatment beds being created adjacent to the excavation, these works were ceased on the 11/02/2011 due to wet weather. The trial pitting exercise from the previous week was continued when the weather condition allowed. Turning of treatment beds was restricted to materials stored in the high bay warehouse, as this material was dry enough to be processed. The works on the temporary footpath diversion around Mill Lane car park continued.

Week 45. Week Commencing 17th January 2011

Persistent wet weather conditions significantly restricted the activities that could be undertaken on site, which comprised of moving treatment bed 77 and some of the crushed concrete stockpile to create more space on site for treatment. On the 21st of January excavation recommenced in grid square H6 and I6, removing moderately impacted madeground and marl formation, this material was formed into treatment beds to the east of the site.



Week 46. Week Commencing 24th January 2011

Excavation of grid squares H6 and I6 continued through the week removing impacted marl and Gault clay to approximately 4m below ground level, the excavations were however halted on two days as the predominant wind direction was towards adjacent residents. 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.



3.0 Environmental Monitoring Summary

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

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

3.1. Odour and VOC Emissions

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

In addition to physical control via covers and management of activities odour controlling suppressants and masking agent are being used around the site boundary to mitigate the impact of odour migration off site. 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 not detected by the PID (Limit of detection of 0.1ppm) beyond the site boundary.

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

The results for the long term passive VOC monitoring carried out between 21/12/2010 and 20/01/2011 are reported in appendix C. The analysis for this monitoring period indicates that the majority of the VOC's detected are around the baseline, except for Tetrachloroethylene and Toluene which are 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 100.52µg/m³, the average PM10 dust reading around the site is 48.31µg/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 10/01/2011 to 25/01/2011 (6 locations monitored) recorded a maximum dust deposition rate was 0.53%EAC at the west monitoring location. All other locations had a maximum dust deposition rate of 0.47%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 22nd March 2010 and has been undertaken twice daily as a minimum, recording findings at eight compass points around the site boundary in the public access areas (drawing D907_30C, Appendix A).

Site operations are restricted to 8am to 6pm and site noise levels are consistently at an average acceptable low background level of 64dB. 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 change in levels along the Riddy Brook due which could be an effect of the recent heavy rain events.

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 27th January 2011 and are presented in Appendix F.

The surface water analysis of the 27th January 2011 shows traces of Trichloroethylene (7 μ g/l), Cis1,2-Dichloroethylene (3 μ g/l), Tetrachloroethylene (2 μ g/l) and Ethofumesate (0.2 μ g/l) were detected in the downstream samples of the Riddy Brook. 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_138, D907_139, D907_140 and D907_141 (Appendix G) illustrate the weekly groundwater levels for the reported period.

The four contour plots constructed (Appendix G) illustrate that there have been some significant changes to groundwater levels within the boreholes on site, however 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.

Covering Period: 3rd January 2011 to 30th January 2011



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 1st February 2011 are presented in Appendix F.

The contaminant concentrations present in the samples taken on the 1st of February 2011 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 15th of March 2010) by Alpheus Environmental Ltd. to maintain the required discharge volume generated by the groundwater pumping systems on the main Bayer Cropscience site along the bentonite cut off wall and the high bay warehouse.

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

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

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

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



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

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



6.0 Contaminants Not Previously Identified

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

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

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

From the commencement of site works (15/03/2010) to 30/01/2011, 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.

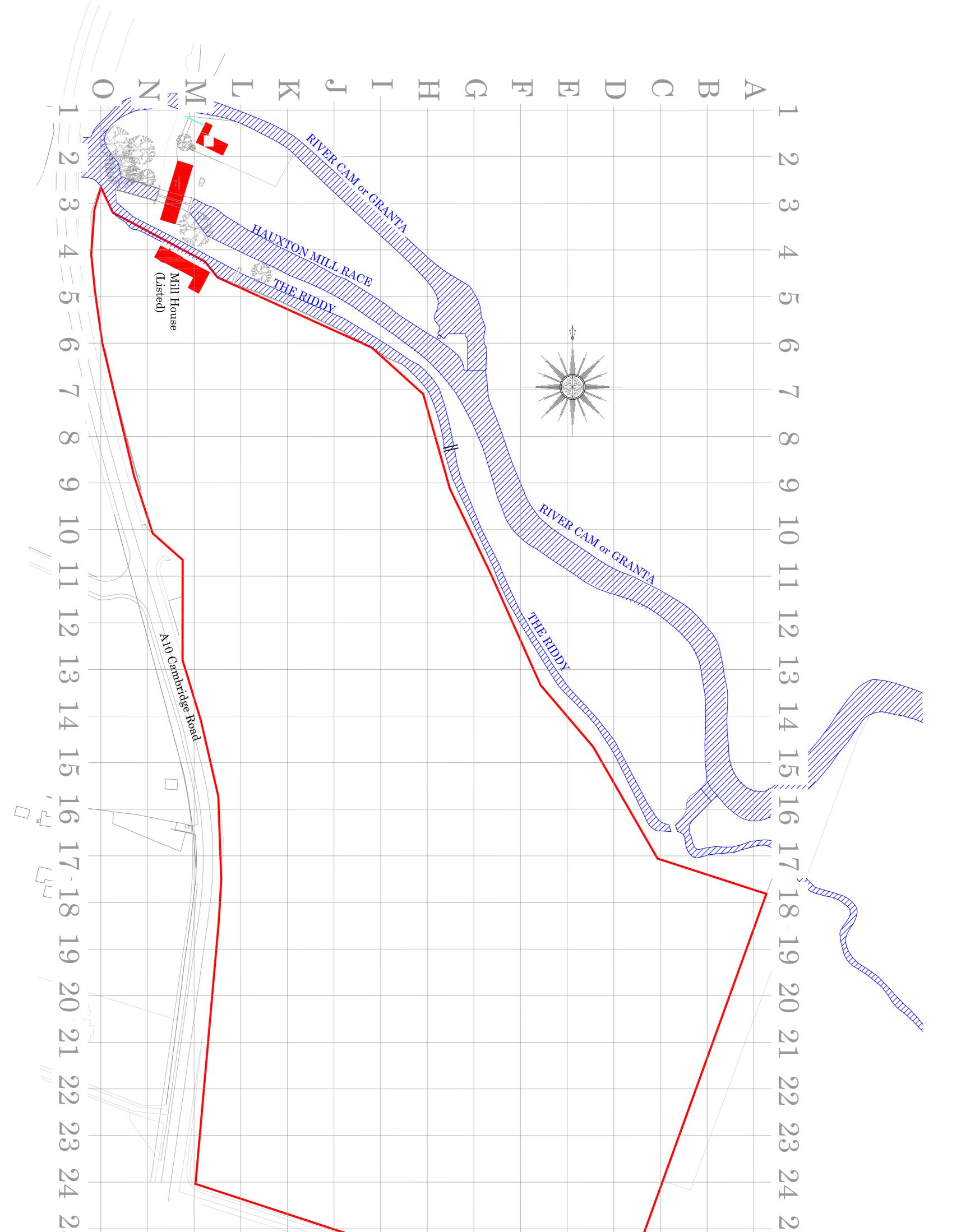
A summary table of the soil characterisation testing is presented in Appendix I, the previously unidentified compounds are listed here, with comments regarding the origin and likely usage on site.

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.

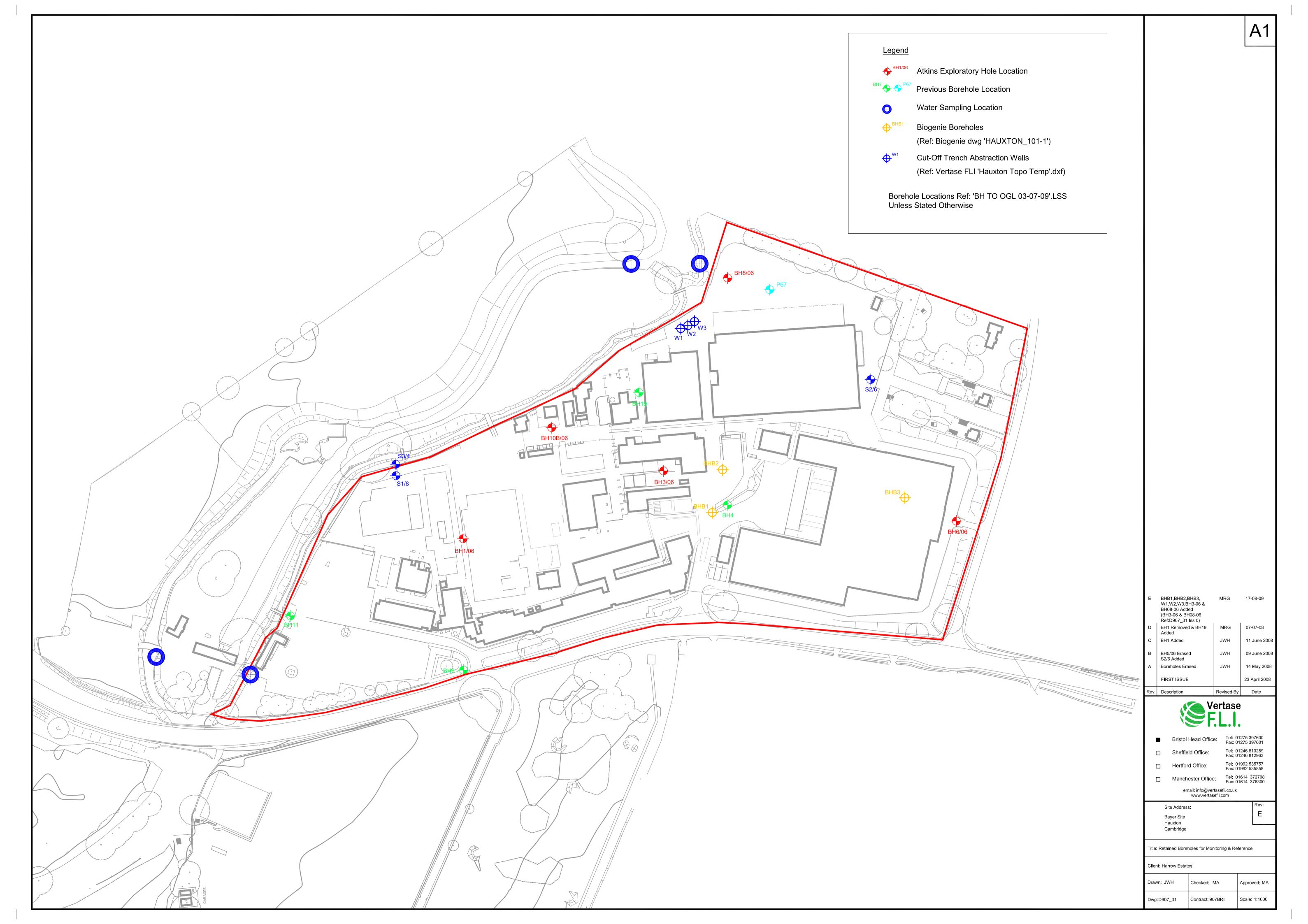


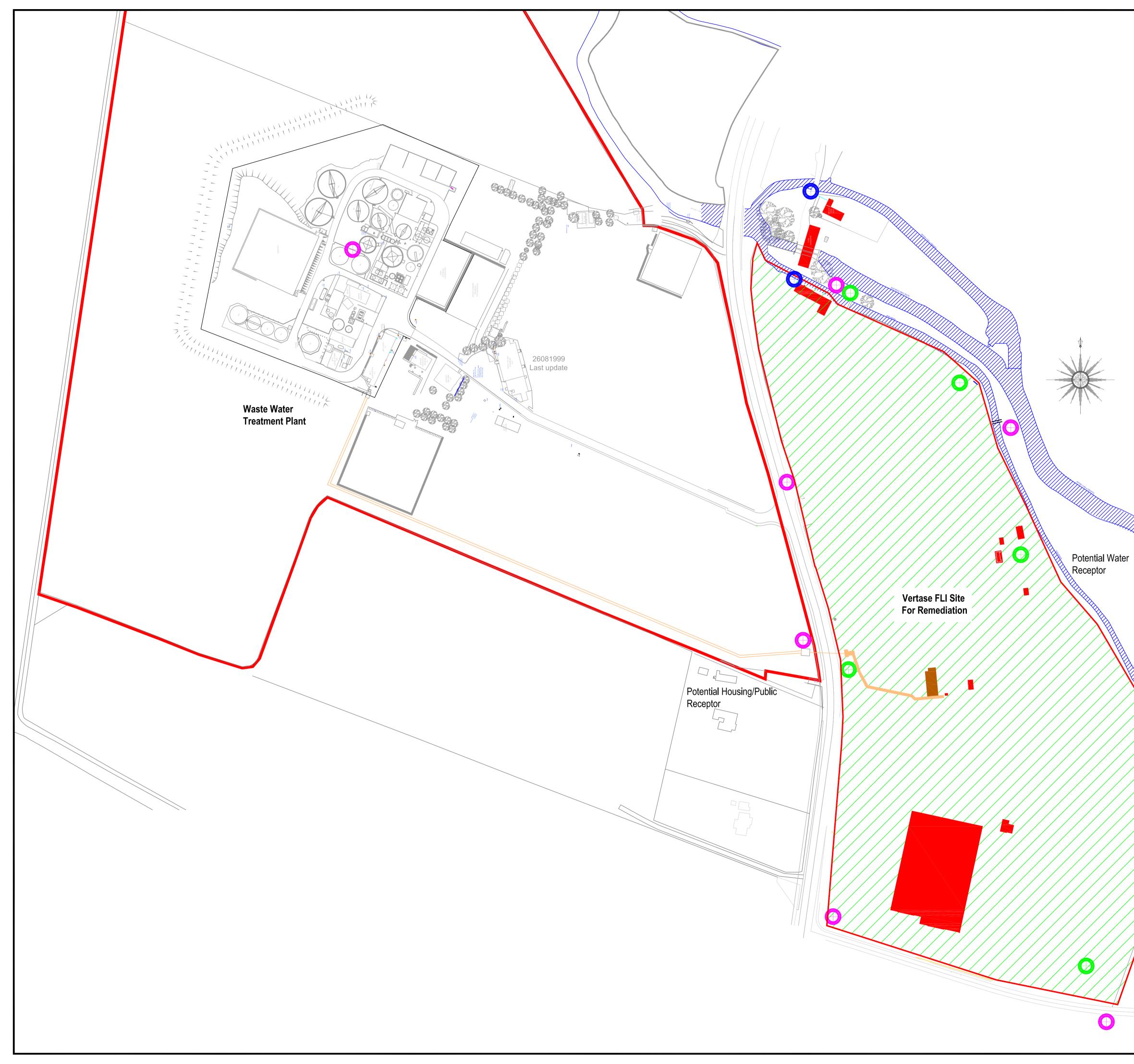
Appendix A

Drawings



5 26 27						
Bristol Head Office:Tel: 01275 397600 Fax: 01275 397601Sheffield Office:Tel: 01246 813289 Fax: 01246 812963Hertford Office:Tel: 01925 535757 Fax: 01992 535858Manchester Office:Tel: 01614 376300 Fax: 01614 376300 HauxtonSite Address:Tel: 01614 376300 Fax: 01614 376300 	Raw. Description Raw. 21 April 2008 Image: State St	Drawing Base : Ref LW/HAUX-002/2006	Site Boundar	Water Course	Buildings to Remain	Legend A1





		Legend	A1
		Sub-Stat to Rema	ion/Buildings in
		Water C	ourse
		Vertase for Reme	
	—		'reatment Boundary
		Site Effland and Duc	uent Sump ting
	0	Diffusion /Monitor	n Tubes ing Location
	0	Dust Mo	nitoring Location
	0	Water S	ampling Location
		ing Base : R AUX-002/20	
	C Dust Moni Locations B Dust Monitor Location Am A Water Samp	Amended Jv ring Jv lended Jing Points Added Jv	RG 14 July 08 VH 09 June 08 VH 15 May 2008
\bigcirc	Rev. Descriptio		21 April 2008 ised By Date
	×	n Rev	tase
	□ She □ Her	tol Head Office: ffield Office: tford Office: nchester Office: email: info@vertasef www.vertasefli.co	Tel: 01275 397600 Fax: 01275 397601 Tel: 01246 813289 Fax: 01246 812963 Tel: 01992 535757 Fax: 01992 535858 Tel: 01614 372708 Fax: 01614 376300 J.co.uk
	Site Add Bayer Si Hauxton Cambrid	ite	Rev: C
	Title: Environmer	ntal Monitoring Plan states	
	Drawn: JWH	Checked: MA	Approved: MA
	Dwg: D907_33	Contract: 907BR	Scale: 1:1250



Appendix B

Environmental Monitoring Data

	-			ODOUR	Hetmin Lorat	ion Odour	DUS	ST P	NOISE	TER Materials	RIDDY	Y BROOK			METEORO	DLOGICA	AND ENVIRONMEN	Cloud Ground	1
Assessor Date Daily Activity	Boundary	Start F Time 1			Tone Sensiti (-3 to+3) (1 to	ion Odour PlE ivity Source (ppr 5) (1 to 5)	D TSP n)	PM10	Average Present (dBa) (Description	Materials attracting scavengers	Inspection	Water Level (mAOD)	Complaints	Action Required	Speed (1 to 6) Win	d Temp ion (C)	Description (Rain, Sun)	Cloud Ground Cover Conditions (0 to 8) (Wet, dry)	General Notes
Distance Address (2011) Pagestrage lass for anothe	N NE NE1	10.12 10.06 10.00	0.11 y 1 0.05	vegetation chamical and roting vegetation	0 2	3 0			57 no 56 no	no C	Dear Dear Dear	9.199			0.5 E	0	Cloudy	6 ary	
D Holman 04/01/2011 Preparing site for work D Holman 04/01/2011 Preparing site for work				eligitation Vegetation Suming and vegetation Vegetation	0 2	1 0			54 no 53 no	no C	Slear S	9.659							
D Holman D4/01/2011 Preparing site for work D Holman D4/01/2011 Preparing site for work D Holman 04/01/2011 Preparing site for work	sw W	9.48 9.42 9.36 9.30	9.41 y 1 9.35 y 1	vegetation vegetation	0 4	1 0			75 no 79 no	no no									
D Holman D4/01/2011 Preparing site for work D Holman D4/01/2011 Preparing site for work	NW	10.18 15.12 15.06 15.00 14.54	0.23 y 1 5.17 y 1	vegetation vegetation vegetation	0 2	1 0			78 no 49 no	no C	Xear 5	9.199			1 E	-0.5	cloudy	8 diy	
D Holman D407/2011 Preparing site for work D Holman D407/2011 Preparing site for work D Holman 0407/2011 Preparing site for work	NE NE1 E	15.06	5.05 4.50 y 1	chemical and exhaust fumes	0 2	3 0			52 no 53 no	no	Jear Jear Jear	9.659							
D Holman 04/01/2011 Preparing site for work D Holman 04/01/2011 Preparing site for work	SE S	14.48	4.53 y 1 4.47 y 1	vegetation	0 3 0 3	1 0		ć	48 no 34 no	no no									
Detains Advision 11 Pagetoig also for and- transmitted and the second s	SW W NW	14.38	4.41 y 1 4.35 y 1	vegetation vegetation venetation	0 4	1 0			74 no 79 no 79 no	no no									
	N NE	14.54 14.48 14.42 14.36 14.30 15.18 10.42 10.36 10.30 10.24 10.12 10.08 10.12 10.08 10.09 10.08	0.47 y 1 0.41 y 2	vegetation chlorine and vegetation chemical and vegetation	0 2	2 0	126 5 95.8 8	58.6 88.2	59 no 59 no	no C	Sear Sear	9.199			4 N	0	sumy	0 dry	
	NE1 E	10.30	0.29 y 1	chemical, sweet and vegetation	0 2	3 0	53.4 4 91.5 2	46.1 24.7 6	52 00	no C	Dear Dear	9.659							
D Holman 05/01/2011 Bed turning	S SW	10.12	0.17 y 1 0.11 y 1	vegetation vegetation vegetation	0 3	1 0	49.1 3 77.8 6	34	34 no 74 no	no									
D Holman OSUTIONT Biol turining	W NW	10.00	0.65 y 1 0.53 y 2 5.47 y 1	vegetation vegetation chlorine and vegetation	0 4 2	1 0	101.8 6	67.9	79 no 78 no 58 no	no no	Jaar 1	9 100			3 n	0	SUMP	0 40	
D Holman 05/01/2011 Bad turning D Holman 05/01/2011 Bad turning D Holman 05/01/2011 Bad turning	NE NE1	10.48 15.42 15.36 15.30 15.24 15.18 15.12 15.12 15.08	5.41 y 1 5.35	chemical and vegetation	0 2	2 0	78.7 5 47.3 2	50.1 28.9	56 no	no C	Near Near	9.659							
D Holmain OSUTIONT Biol turining D Holmain OSUTIONT Biol turining D Holmain OSUTIONT Biol turining D Holmain OSUTIONT Biol turining	SE	15.24	5.23 y 1 5.23 y 2 5.17 y 1	Vegetation Vegetation Vegetation Vegetation	0 2	1 0	59.7 3	53.1 B	50 00 55 00	no -	244 S	9.659							
D Holman 05/01/2011 Bed turning D Holman 05/01/2011 Bed turning	SW W	15.06	5.11 y 2 5.05 y 1	vegetation vegetation	0 4	1 0	61.6 5	55.3	74 no 79 no	no									
D Holman 05/01/2011 Bad turning D Holman 05/01/2011 Bad turning D Holman 06/01/2011 texcevating in grifssbad turning D Holman 06/01/2011 texcevating in grifssbad turning	NW N	15.00 15.48 10.52 10.48	5.53 y 1 0.57 y 2 0.51 y 2	vegetation vegetation vegetation vegetation	0 2 2 0 2	1 0	157.7 2	26.5	79 no 57 no 50 no	no c no c	lear S lear	9.198			0.5 n		cloudy	8 damp	
D Holman 08/01/2011 excavating in gridubad turning D Holman 08/01/2011 excavating in gridubad turning D Holman 06/01/2011 excavating in gridubad turning	NE1 E	10.40 10.34 10.28 10.22	0.45 0.30 y 2	vegetation	0 2	1 0	112.5 9 114.8 6	91.6 64.3	52 00	no c	lear lear S	9.644							
D Holman (9601/2011 excessing in grids/bad turning D Holman (9601/2011 excessing in grids/bad turning D Holman (9601/2011 excessing in grids/bad turning	sE S SW	10.28	0.27 y 3 0.27 y 2 0.21 y 2	vegetation vegetation chemical and vegetation vegetation	0 3 0 4	3 0	211.4 1	103.6	57 00 54 00 74 00	no no								_	
D Holman 06/01/2011 excavasing in grids/bad turning D Holman 06/01/2011 excavasing in grids/bad turning	W NW	10.10	0.15 y 1 1.03 y 1	vegetation vegetation vegetation	0 4	1 0	175.6 1	104.5	79 no 79 no	no									
p rooman 08/07/2011 Bacokvising in grids/bad turning D Holman 08/07/2011 Bacokvising in grids/bad turning D Holman 08/07/2011 Bacokvising in grids/bad turning	N NE NE1	16.38 16.30	6.41 y 2	vegetation sweet fruit smell	u 2 1 2	5 0			51 00 13 no	no c	sear Jear Jear	a. 198			0.5 n	1-	cloud/drizzle	o damp	
Telefano 5000 2011 Bandreck And Andreck Antonio Telefano 5000 2011 Bandreck Antonio Bandreck Antonio Telefano	E SE	10.22 10.16 10.10 10.58 16.42 16.36 16.30 16.24 16.18 16.12 16.06 16.06 16.06 16.48 9.42 9.36 9.30 9.24 9.30 9.24 9.12 9.06	6.29 y 2 6.23 y 1	decomposing vegetation vegetation smoke/fire	0 2 0 3	1 0			59 no 56 no	no c	Jear S	9.644							
D Holman DBUT/2011 excervating in grids/bad turning D Holman 06/01/2011 excervating in grids/bad turning D Holman 06/01/2011 excervating in grids/bad turning	SW W	16.12 16.06 16.00	6.11 y 2 6.05 y 2	smoke fire smoke fire vegetation	-1 3 -1 4 0 4	1 0			st no 75 no 79 no	no no									
D Holman 06/01/2011 excavating in grids/bed turning D Holman 07/01/2011 excavating in grids/bed turning	NW N	16.48	6.53 y 1 9.47 y 2	vegetation	0 2	1 0			30 no 56 no	no c	lear S	9.198			2 NE	3	heavy rain	8 wet	
D Holman 07/01/2011 excervising in gridsbid turning D Holman 07/01/2011 excervising in gridsbid turning D Holman 07/01/2011 excervisin in gridsbid turning	NE NE1	9.36 9.30 9.24	9.35 9.29 y 1	vegetadon vegetadon	0 2				56 00	no c no c	lear Jear	9.638				_			
D Holman 07/01/2011 excervating in grids/bed turning D Holman 07/01/2011 excervating in grids/bed turning	SE	9.18 9.12	9.23 y 2 9.17 y 2	vegetation	0 3				54 no 13 no	no									
D Holman 07/01/2011 excervating in grids/bet turning D Holman 07/01/2011 excervating in grids/bet turning D Holman 07/01/2011 excervating in grids/bet turning	W W NW	9.06 9.00 9.48	9.05 y 1 9.53 y 1	vegetation vegetation vegetation	0 4 0 2				75 no 30 no 30 no	no no									
D Holman 07/01/2011 excervating in grids/bad turning D Holman 07/01/2011 excervating in grids/bad turning D Holman 07/01/2011 excervating in grids/bad turning	N NE	13.42 13.36	3.47 y 1 3.41 y 3	vegetation	0 2 0 2	1			57 no 54 no	no c no c	lear lear	9.198			2 N	4	heavy rain	8 wet	
D Holmain 07/0712071 lexicavating ng ngkabala suring D Holmain 07/0712071 lexicavating ng ngkabala suring D Holmain 07/0712071 lexicavating ng ngkabad suring D Holmain 07/0712071 lexicavating ng ngkabad suring	E SE	13.30	3.29 y 2 3.23 y 2	vegetation	0 2				56 no 54 no	no c no	lear S	9.638				_			
D Holman 0076.001 Iscourating an photolead turning b Holman 0076.001 Iscourating an photolead turning b Holman 00770.001 Iscourating an photolead turning D Holman 00770.0011 Iscourating an photolead turning D Holman 0070.0011 Iscourating an photolead turning D Holman 0070.0011 Iscourating an photolead turning D Holman 0070.0011 Iscourating an photolead turning	s sw	9.06 9.00 9.48 13.42 13.36 13.30 13.24 13.18 13.12 13.06 13.00 13.48 13.00 13.48	3.17 y 1 3.11 y 2	vegetation vegetation vegetation vegetation vegetation vegetation	0 3	1			35 no 74 no	no									
D Holman 07/01/2011 excavating in gridsbad turning D Holman 10/01/2011 excavating in gridsbad turning	NW	13.48	3.53 y 1 9.47 y 2		0 2	1 0	123.4 6	64.3	79 no 58 no	no c	dear S	9.199			3 NE	0	cloudy	8 diy	liver cam plus Riddy cloudy upstream from E point
D Holman 1001/2011 excevaring in gridsbed turning D Holman 1001/2011 excevaring in gridsbed turning D Holman 1001/2011 excevaring in gridsbed turning D Holman 1001/2011 excevaring in gridsbed turning	NE NE1	9.42 9.36 9.30 9.24	9.41 y 3 9.35	chemical and earth vegetation	1 2	5 0	129.2 8 212.3 1 504.3 1	86.4 7 145.4 100.5	70 no 56 no	no c	lear lear lear	9.641							
D Holman 10/07/2011 excervating in gridsebad turning D Holman 10/07/2011 excervating in gridsebad turning D Holman 10/07/2011 excervating in gridsebad turning	SE S	9.18 9.12 9.06 9.00 9.48	9.23 y 2 9.17 y 1	vegetation vegetation vegetation	0 3	1 0	120.7 9	91.8	55 no 32 no	no									
D Holman 10/01/2011 excavating in gridsbed turning D Holman 10/01/2011 excavating in gridsbed turning D Holman 10/01/2011 excavating in gridsbed turning	SW W NW	9.06 9.00 9.48	9.05 y 1 9.53 y 1	vegetation sweet chemical vegetation	0 4	5 0	33.9 1	14.5	74 no 79 no 79 no	no no						_			
D Holman 10/01/2011 excavating in grids/bad turning D Holman 10/01/2011 excavating in grids/bad turning					0 2	1 0			51 no	no c	lear lear	9.199			4 (a	0	cloudy	8 div	
	N NE	16.42	6.41 y 2 6.41 y 3	vegetation vegetation	0 2				59 no	no c									
D Holman 10/01/2011 excavating in grids/bad turning D Holman 10/01/2011 excavating in grids/bad turning D Holman 10/07/2011 excavating in grids/bad turning	N NE NE1 E SE	16.42 16.36 16.30 16.24 16.18	6.47 y 2 6.41 y 3 6.35 6.29 y 2 8.23 y 2	vegetation vegetation and chemical	0 2 0 2 0 3	3 0 1 0			59 no 55 no 57 no	no c no c no	lear lear S	9.641							
D Holman 1007/2011 secondrig in grifsbed turning D Holman 1007/2011 secondrig in grifsbed turning	N NE NE SE S SW	16.42 16.36 16.30 16.24 16.18 16.12 16.06	6.41 y 2 6.41 y 3 6.35 6.29 y 2 6.23 y 2 6.17 y 1 8.11 y 1 9.00	vegetation vegetation and chemical	0 2 0 3 0 3 0 4	3 0 1 0 1 0			59 no 55 no 57 ho 34 ho 73 ho	no c no c no c no c	lear lear	9.641							
UP resume 1007/0211 parcelerge in profilesie furing Definition 1002/0211 parcelerge in profilesie furing	N NE1 E SE SW W NW NW	16.42 16.36 16.30 16.24 16.18 16.12 16.05 16.00 16.48 10.42	6.47 y 2 6.41 y 3 6.35 2 6.25 y 2 6.22 y 2 6.27 y 1 6.17 y 1 6.17 y 1 6.05 y 2 6.63 y 2 6.63 y 2 6.63 y 3 6.63 y 3 6.64 y 3 6.7 y 1 6.7 y 1 7 y 1 6.7 y 1 7 y	vegetation vegetation and chemical	0 2 0 3 0 3 0 4 0 4 0 2 0 2	3 0 1 0 1 0 1 0 1 0 1 0	62.8 5	50.9	59 ho 55 ho 57 ho 84 ho 73 ho 79 ho 79 ho 59 ho	no c no c no no no no no no no no no c	lear S	9.641			5 witar	3	cloudy	8 damp	
Holman, 100-021 existing a problem form (00-021) existing a problem (00-021) existing a problem (00-021)	N NE NE1 E SE SW W NW NW NE NE1 E	16.42 16.36 16.30 16.24 16.12 16.12 16.05 16.00 16.48 10.42 10.36 10.36 10.24	8.47 = 2 6.41 = y = 3 6.35 = 28 = y = 2 6.22 = y = 2 6.12 = y = 2 6.17 = y = 1 6.11 = y = 1 6.05 = y = 2 6.05 = y = 2 7 = 2	regestion regestion and chemical regestion regestion regestion regestion wetweetsion wetweetsion wetweetsion wetweetsion regestion	0 2 0 2 0 3 0 3 0 4 0 4 0 2 0 2 0 2 0 2 0 2 0 2	3 0 1 0 1 0 1 0 1 0 1 0 3 0 3 0 1 0	62.8 5 166.2 5 57.9 5 51.3 7	50.9 52.4 51.8 27.2	50 no 55 no 57 no 54 no 73 no 79 no 50 no 50 no 50 no 50 no 50 no 50 no 50 no 50 no	10 0 10 0	lear Jear Jear Jear Jear Jear Jear	9.641			5 what	3	Coudy	š damp	
	N NE E SE SW W NW NW NE NE1 E SE SE SE	16.42 16.36 16.30 16.24 16.18 16.12 16.05 16.48 10.42 10.36 10.30 10.24 10.18 10.12 10.18	6.47 y 2 6.47 y 3 6.36 y 2 6.29 y 2 6.29 y 2 6.21 y 1 6.17 y 1 6.17 y 1 6.17 y 1 6.17 y 2 6.33 y 2 6.33 y 2 0.41 y 2 0.41 y 2 0.35 0.22 y 3 0.23 y 3 0.23 y 3 0.23 y 3 0.21 y 2 0.31 y 3 0.23 y 3 0.23 y 3 0.21 y 3	vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon	0 2 0 2 0 3 0 3 0 4 0 4 0 4 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 3 0 3 0 3 0 4		62.8 5 166.2 5 57.9 5 51.3 2 110.2 5	50.9 52.4 51.8 27.2 56.5	50 no 55 no 57 no 57 no 73 no 79 no 50 no 50 no 58 no 58 no 58 no 58 no 58 no 58 no	no c no c no no no c	Jear Jear Jear Jear Jear Jear Jear Jear	9.641			5 Wite	3	cloudy	δ damp	
	N NE NE1 E SE S W W NW NW NE NE SE SE SE SW W W NW	16.42 16.30 16.30 16.24 16.18 16.08 16.08 16.08 16.08 16.08 10.48 10.38 10.30 10.30 10.24 10.36 10.30 10.24 10.36 10.30 10.24 10.36 10.30 10.36 10.30 10.36 10.30 10.36 10.48 10	6.47 y 2 6.47 y 3 6.35 y 2 6.29 y 2 6.29 y 2 6.21 y 1 6.17 y 1 6.17 y 1 6.17 y 1 6.17 y 2 6.33 y 2 6.33 y 2 6.33 y 2 6.35 y 2 6.35 y 3 6.35 y 3 7 7 7 7 7 7 7 7 7 7 7 7 7	egiption experience and channel egiption egiption egiption egiption every equation every e	0 2 0 2 0 3 0 3 0 4 0 4 0 2 0 2 0 2 0 2 0 2 0 3 0 4 0 2 0 3 0 4 0 4 0 4 0 3 0 4 0 4 0 3 0 4 0 3 0 4 0 3 0 3 0 3 0 3 0 3 0 3 0 3 0 3	1 0	99.5 2	50.9 52.4 51.8 27.2 58.5 52.2	90 no 55 no 57 no 57 no 73 no 73 no 70 no 72 no 73 no 74 no 75 no 76 no 77 no 78 no 79 no 70 <	h0 0	Jear i Jear i Jear bear bear bear bear bear bear bear b	9.641			5 พาพ	3	cloudy	5 Gamp	
	N NE NE SE SS SW VV NN NE NE SE SS SW VV NW	16.36 16.30 16.30 16.24 16.18 16.12 16.05 16.00 16.48 10.42 10.36 10.34 10.34 10.18 10.12 10.08 10.24 10.18 10.24 10.36 10.24 10.36 10.42 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.46 10.36 10	6.47 2 6.38 3 6.39 2 6.427 2 6.437 2 6.437 1 6.417 1 6.417 1 6.417 1 6.417 1 6.417 1 6.417 1 6.417 2 6.417	vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon vegatalon	0 2 0 2 0 3 0 3 0 4 0 2 0 2 0 3 0 4 0 2 0 2 0 3 0 4 0 2 0 3 0 4 0 2 0 2 0 2 0 2	1 0 1 0 1 0 2 0	99.5 2 23.7 1 32.5 2	50.9 52.4 51.8 27.2 56.5 52.2 19.5 20.4 20.4	90 no 55 no 77 no 84 no 79 no 79 no 79 no 50 no 51 no 52 no 53 no 54 no 50 no 51 no 52 no 53 no 54 no 55 no 50 no 51 no 52 no 53 no 54 no 55 no 56 no 57 no 50 no 50 no 50 no 50 no	NO C	Jear Jear Jear Jear Jear Jear Jear Jear	9.641			5 where 4 where 4	3	dicuidy	8 damp	
	N NE NE SE SS SW VV NN NE NE SE SS SW VV NW	16.36 16.30 16.30 16.24 16.18 16.12 16.05 16.00 16.48 10.42 10.36 10.34 10.34 10.18 10.12 10.08 10.24 10.18 10.24 10.36 10.24 10.36 10.42 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.46 10.36 10	6.47 2 6.38 3 6.39 2 6.427 2 6.437 2 6.437 1 6.417 1 6.417 1 6.417 1 6.417 1 6.417 1 6.417 1 6.417 2 6.417	expection expectation and charmonal expectation. An expectation expectation expectation expectation expectation expectation and charmod exert expectation and charmod exert expectation and charmod exert expectation expectation and charmod expectation expectation and charmod expectation expectat	0 2 0 2 0 3 0 3 0 4 0 4 0 2 0 2 0 2 0 3 0 4 0 2 0 2 0 3 0 4 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 3 0 3	1 0 1 0 2 0	29.5 2 23.7 1 32.5 2 58.8 8 39.8 2	50.9 52.4 51.8 52.2 22.2 56.5 19.5 19.5 20.4 8.7 27 20.4 8.7 27	90 no 55 no 55 no 56 no 57 no 54 no 73 no 79 no 50 no 51 no 52 no 53 no 54 no 55 no 56 no 56 no 56 no 55 no 55 no	ña c ña c ña c ña na ña c	lear Jear	2.641 0.180 0.630 0.189 0.189 0.189			5 wnw	3	doudy	 Бу батр б батр в батр 	
Namia 1100/0011 exocuting a databet uring Distance 1100/0011 exocuting a databet uring	NE NE E E E E E E E E E E E E E E E E E	16.34 16.30 16.30 16.24 16.18 16.12 16.00 16.48 10.42 10.39 10.39 10.24 10.39 10.24 10.39 10.24 10.39 10.24 10.39 10.24 10.39 10.24 10.39 10.42 10.39 10.24 10.39 10.42 10.55 10	1.6.0 2 6.5.9 2 6.6.9 2 6.6.9 2 6.6.9 2 6.6.9 2 6.6.9 2 6.6.9 2 6.6.9 2 6.6.9 2 6.6.9 2 6.6.9 3 0.6.19 2 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 3 0.6.29 2 5.47 2 5.49 2 5.40 2 5.41 2 5.429 2 5.41 2 5.429 2 5	expection expectation and charmonal expectation. An expectation expectation expectation expectation expectation expectation and charmod exert expectation and charmod exert expectation and charmod exert expectation expectation and charmod expectation expectation and charmod expectation expectat	0 2 0 2 0 3 0 3 0 4 0 2 0 2 0 2 0 2 0 3 0 4 0 2 0 3 0 4 0 2 0 2 0 2 0 2 0 3 0 3 0 3 0 3 0 3 0 3 0 4	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3	5039 5039 518 518 522 222 565 5 565 5 565 5 222 2 222 2 204 8.7 7 27 7 7 7 34.6	90 no 55 no 57 no 58 no 79 no 79 no 70 no 71 no 72 no 73 no 74 no 75 no 76 no 77 no 78 no 79 no 70 no 75 no 75 no	no c	lear Jear				S wnw 4 Wnw	3	cloudy cloudy cloudy	5 damp	
D Helman 11000011 Honordina o Adabbel Suring D Helman 110000011 Honordina o Adabbel Suring D Helman 11000011 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring	NE NE E E E E E E E E E E E E E E E E E	16.42 16.38 16.30 16.24 16.18 16.12 16.06 16.00 16.04 10.42 10.36 10.42 10.36 10.42 10.36 10.24 10.36 10.24 10.36 10.24 10.06 10.24 10.06 15.30 15.54 15.18 15.06 15.06 15.00 15.06 15.00 15.08 15.06 15.00 15.08 15	1.6.4 2 6.5 2 6.6.3 2 6.6.3 2 6.6.3 2 6.6.3 2 6.6.4 2 6.6.5 2 6.6.6 2 6.6.7 3 6.6.8 2 6.6.9 3 0.6.1 2 0.6.2 3 0.6.2 3 0.6.2 3 0.6.2 3 0.6.4 2 0.6.5 2 0.6.6 2 0.6.7 3 0.6.8 2 5.8 2 5.8 2 5.8 2 5.6.7 2 5.6.7 2 5.6.9 2 5.6.9 2 5.6.9 1	expertise expectation and charmonal expectation expect	D D 0 2 0 3 0 4 0 4 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 3 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	29.5 2 23.7 1 32.5 2 58.8 8 39.8 2	50.9 52:4 51:8 272 2 522 52:5 55:5 10:5 52:4 8.7 27 27 27 27 21 5 34:6 11.2	90 no 90 no 91 no 92 no 93 no 93 no 93 no 93 no 94 no 95 no 96 no 97 no 98 no 99 no 90 no 90 no 91 no 92 no 93 no 94 no 95 no 96 no 97 no 98 no 99 no 90 no 90 no 91 no 92 no 93 no 94 no 95 no 90 no 91 no 92 <	no c	lear Jear				5 wite 4 enter 4 enter	3	cloudy cloudy cloudy	 В 7 В 7 В 8 damp 8 damp 	
D Helman 11000011 Honordina o Adabbel Suring D Helman 110000011 Honordina o Adabbel Suring D Helman 11000011 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring	1 45 1	16.42 16.38 16.30 16.30 16.18 16.12 16.18 16.12 16.06 16.00 16.48 10.42 10.36 10.42 10.36 10.42 10.36 10.24 10.36 10.24 10.12 10.06 10.24 10.06 10.48 15.56 15.50 15.54 15.18 15.18 15.06 15.00 15.54 9.01 15.48 9.01	0.0 0 0.0	egators acquester and demonst acquester and demonst acquester and demonst acquester ac	D D 0 3 0 3 0 4 0 4 0 4 0 2 0 2 0 2 0 2 0 2 0 3 0 3 0 4 0 2 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4 0 4	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3	50.9 50.9 50.9 50.9 50.9 50.9 50.9 50.9	90 100 50 60 51 60 52 60 53 60 73 60 73 60 74 60 75 60 76 60 75 60 76 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 75 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70	R0 R0	lear Jear		10 00	9 9	4 W199	3	Cloudy Cloudy	 a 1 b 4mp b 4mp c 4mp <lic 4mp<="" li=""> c 4mp <lic 4mp<="" li=""> <lic 4mp<="" td=""><td>The rate part dutings for school to include r with skind discolar. Detacted place if school and the The rate part dutings for school to include r with skind discolar. Detacted place if school around from the flam part off, is adjacent fault.</td></lic></lic></lic>	The rate part dutings for school to include r with skind discolar. Detacted place if school and the The rate part dutings for school to include r with skind discolar. Detacted place if school around from the flam part off, is adjacent fault.
D Helman 11000011 Honordina o Adabbel Suring D Helman 110000011 Honordina o Adabbel Suring D Helman 11000011 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring	Image: Section 1 Image: Section 1	16.36 16.36 16.30 16.30 16.24 16.18 16.18 16.18 16.05 16.48 10.36 10.36 10.30 10.42 10.36 10.30 10.42 10.18 10.32 10.30 10.42 10.18 10.30 10.42 10.18 10.30 10.48 15.30 15.48 9.01 9.02 15.48 9.01 9.13 9.13 9.15 15.25 1	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	espation equipation and distribution equipation and distribution equipation equipation equipation exercised and exercise exercised and exercised exercised and exercised exercised and exercised explosition and exercised explosition and exercised explosition and exercised explosition explosition and exercised explosition explosition and exercised explosition explosi	D D 0 3 0 3 0 3 0 4 0 4 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0 4 0 2 0 2 0 4 0 2 0 2 0 2 0 2 0 4 0 2 0 2 0 2 0 4 0 2 0 4 0 2 0 2 0 2 0 2 0 2 0 3	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		0 0 2 0 37 0 47 0 73 0 74 0 75 0 76 0 77 0 78 0 79 0 70 0 71 0 72 0 73 0 74 0 75 0 76 0 77 0 78 0 79 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70 0 70	no no	lear Jear		10 / 11 10 / 11 10 / 11 10 / 11		5 ener	3	Goudy County Cou	8 Samp 8 Samp 8 Samp 8 Samp 8 Samp 9 Samp	Sur mate in charge. No colour at fruits considert with wird direction. Distantial colour of colour control (fruit in the pure of the in adjuscent fault.
D Helman 11000011 Honordina o Adabbel Suring D Helman 110000011 Honordina o Adabbel Suring D Helman 11000011 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring	Image: Section 1 Image: Section 1	16.36 16.36 16.30 16.24 16.18 16.18 16.18 16.18 16.12 16.00 16.48 10.38 10.24 10.38 10.24 10.38 10.24 10.39 10.24 10.30 10.24 15.16 15.26 15.24 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.42 15.43 15.42 15.43 15.44 15.42 15.42 15.42 15.43 15.44 15.42 15.44 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	explories explories and demonstration explories and demonstration explories	D D D D	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	no c	lear Jear				2.0 5	3	Goudy Cloudy Cloudy	2 1 1 -	Sur nas en sharp, No skor at shart annaler with wird divation. Distante allow of schor control free Not nas en sharp. No skor at shart annaler with wird divation. Distante allow of schor control free Not nas point the in digitant fact.
D Helman 11000011 Honordina o Adabbel Suring D Helman 110000011 Honordina o Adabbel Suring D Helman 11000011 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring	Image: Section 1 Image: Section 1	16.36 16.36 16.30 16.24 16.18 16.18 16.18 16.18 16.12 16.00 16.48 10.38 10.24 10.38 10.24 10.38 10.24 10.39 10.24 10.30 10.24 15.16 15.26 15.24 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.42 15.43 15.42 15.43 15.44 15.42 15.42 15.42 15.43 15.44 15.42 15.44 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	agedon agedon	D D D D	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no	NO NO NO C	lear Jear				2.9 5 5 66W	3 3 3 12 12 5	Cloudy Cloudy Cloudy Silo	 П П Ватр Ватр	There may an charge. No color at these services with which devotes. Devoted other of order control free to the number of the free part of 2 is adjusced feld.
D Helman 11000011 Honordina o Adabbel Suring D Helman 110000011 Honordina o Adabbel Suring D Helman 11000011 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 11000001 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring D Helman 110000000 Honordina o Adabbel Suring	Image: Section 1 Image: Section 1	16.36 16.36 16.30 16.24 16.18 16.18 16.18 16.18 16.12 16.00 16.48 10.38 10.24 10.38 10.24 10.38 10.24 10.39 10.24 10.30 10.24 15.16 15.26 15.24 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.42 15.43 15.42 15.43 15.44 15.42 15.42 15.42 15.43 15.44 15.42 15.44 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	agadon ag	D D D D	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	no no no <	lear Jear		10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.9 5 2.9 5 2.9 5 2.9 5	3	Chudy Chudy Goudy Goudy Fain Fain Fain Fain Fain Fain Fain Fain	1 1	The next of shape. No close if shape and and shapes with a shape of the shapes that a shapes that a shape of the shapes that a shapes that a shape of the shapes that a shapes
Telefana 11000011 Biosefana a delakted summ Delaka 11000001 Biosefana a delakted summ Delaka 11000001 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 11000000 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 110000000000000000000000000000000000	Image: Section 1 Image: Section 1	16.36 16.36 16.30 16.24 16.18 16.18 16.18 16.18 16.12 16.00 16.48 10.38 10.24 10.38 10.24 10.38 10.24 10.39 10.24 10.30 10.24 15.16 15.26 15.24 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.42 15.43 15.42 15.43 15.44 15.42 15.42 15.42 15.43 15.44 15.42 15.44 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egadoris equipation and districtud equipation and districtud equipation equipation equipation equipation equipation end equipation end equipation equipati	D D 0 0	1 0 1 0 1 0 2 0 1 0 2 0 1 0 3 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	no no no <	lear Jear				2.0 5 2.0 5 2.0 5	3	Cloudy Cl	0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sort refut or during the school or double of backets allow of older certral free backets allow of older certral free backets allow and devotes. Descend allow of older certral free backets allow and devotes backets allow of older certral free backets allowed backets allowed allowed allowed backets allowed allo
Telefana 11000011 Biosefana a delakted summ Delaka 11000001 Biosefana a delakted summ Delaka 11000001 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 11000000 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 110000000000000000000000000000000000	Image: Section 1 Image: Section 1	16.36 16.36 16.30 16.24 16.18 16.18 16.18 16.18 16.12 16.00 16.48 10.38 10.24 10.38 10.24 10.38 10.24 10.39 10.24 10.30 10.24 15.16 15.26 15.24 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.42 15.43 15.42 15.43 15.44 15.42 15.42 15.42 15.43 15.44 15.42 15.44 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egadoris equipation and districtud equipation and districtud equipation equipation equipation equipation equipation end equipation end equipation equipati	D D D D	1 0 1 0 1 0 2 0 1 0 2 0 1 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	no no de 10 de 10 de 10 no <	lear Jear				2.9 S	3 3 3 3 12 5 5 5	cisualy cisual		
Telefana 11000011 Biosefana a delakted summ Delaka 11000001 Biosefana a delakted summ Delaka 11000001 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 11000000 Biosefana a delakted summ Delaka 110000000 Biosefana a delakted summ Delaka 110000000000000000000000000000000000	Image: Section 1 Image: Section 1	16.36 16.36 16.30 16.24 16.18 16.18 16.18 16.18 16.12 16.00 16.48 10.38 10.24 10.38 10.24 10.38 10.24 10.39 10.24 10.30 10.24 15.16 15.26 15.24 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.18 15.42 15.42 15.43 15.42 15.43 15.44 15.42 15.42 15.42 15.43 15.44 15.42 15.44 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	a againta at an	D D D D D D D D D D D D D D D D D D D	1 0 1 0 1 0 2 0 1 0 2 0 1 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	00 00 00 00 10 <	lear Jear				2.9 5 2.9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3 3 3 3 1 3 1 2 12 12 5 5	Cloudy Cl	1 1	Not make an olarge. No robust at thrust services with which devices. Deviced obser of volume control proce the finance processor is a adjusted balance and the service of the finance processor is a service of the finance of the fin
Default 1100/001 Boundary and Added Strang	비료 비료 レー	$\begin{array}{c} 1.6_{33}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.0_{34}\\$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egators acquarter and demonst equators acquarter and demonst equators acquarter and demonst equators acquarter acqua	D D D D	1 0 1 0 1 0 2 0 1 0 2 0 1 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	00 00 00 <	lear Jear					12 5 7 7 7 7 7	Cloudy Cloudy Cloudy Cloudy Faith Fa	1 1 1 1 1 1 1 1 1 1 2 Amp 3 Amp 4 1 5 Amp 8 Amp 8 Amp 9 1 1 1	
Default 14000001 Housdan to addited strang Default 1400001 Housdan to addited strang Default 1400001 Housdan to addited strang	비료 비료 レー	$\begin{array}{c} 1.6_{33}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.0_{34}\\$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egators acquarter and demonst equators acquarter and demonst equators acquarter and demonst equators acquarter acqua	P P P P	1 0 1 0 1 0 2 0 1 0 2 0 1 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	Mathematical Sector	lear Jear				220 5 220 5 200 5 20		Clearly Clearl	- 1 - 1	
Default 14000001 Housdan to addited strang Default 1400001 Housdan to addited strang Default 1400001 Housdan to addited strang	비료 비료 レー	$\begin{array}{c} 1.6_{33}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.0_{34}\\$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egators acquester and charman capacitar and charman capacitar and charman capacitar and charman capacitar acquester and charman capacitar acqueste	P P P P	1 0 1 0 1 0 2 0 1 0 2 0 1 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	Abord State Abord State Abord State	laar baar baar baar baar baar baar baar					5	tain	- 14 	
Default 14000001 Housdan to addited strang Default 1400001 Housdan to addited strang Default 1400001 Housdan to addited strang	비료 비료 レー	$\begin{array}{c} 1.6_{33}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.0_{34}\\$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egotos egotos	D D D 2 2 2 3 2 2 2 4 3 3 2 5 3 4 3 6 3 3 2 7 4 3 3 8 3 3 3 9 3 4 3 9 4 3 3 10 4 3 3 10 5 4 3 10 4 3 3 11 5 4 3 12 4 4 3 13 4 5 4 14 5 4 4 15 4 4 4 16 5 4 4 17 4 4 4 18 4 4 4 19 4 4 <	1 0 1 0 1 0 2 0 1 0 2 0 1 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no		loody	8.60 8.60 8.10 8.10 8.10 8.10 8.10 8.10 1.00 1.0			2.9 5 	5		- 1 - 1	
Default 14000001 Housdan to addited strang Default 1400001 Housdan to addited strang Default 1400001 Housdan to addited strang	비료 비료 レー	$\begin{array}{c} 1.6_{33}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.6_{34}\\ 1.0_{34}\\$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egotos egotos	D D D 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 2 3 2 2 3 2 3 4 2 3 4 2 3 4 2 4 5 2 4 5 2 5 4 2 4 5 2 5 4 2 6 5 2 7 4 2 8 5 2	1 0 1 0 1 0 2 0 1 0 2 0 1 0 1 0	99.5 2 23.7 1 32.5 2 58.8 8 39.8 2 59.8 3		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	Note Note Note <td>loody loody loody</td> <td>0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 10.700 11.000</td> <td></td> <td></td> <td>2.9 5 </td> <td></td> <td>APD</td> <td>- 1 - 1</td> <td></td>	loody	0.100 0.100 0.100 0.100 0.100 0.100 0.100 0.100 10.700 11.000			2.9 5 		APD	- 1 - 1	
Default 1100/001 Boundary and Added Strang	비료 비료 レー	16.36 16.36 16.30 16.24 16.18 16.18 16.18 16.18 16.12 16.00 16.48 10.38 10.24 10.38 10.24 10.38 10.24 10.39 10.24 10.30 10.24 15.16 15.26 15.24 15.18 15.42 15.18 15.42 15.18 15.48 15.42 15.18 15.48 15	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	egators acquarter and demonst equators acquarter and demonst equators acquarter and demonst equators acquarter acqua			30.5 2 22.7 1 25.8 2 30.8 0 30.8 0 30.8 0 30.8 0 30.8 0 30.8 0 30.8 0 40.9 1		54.2 no 49.7 no 53.1 no 53.4 no 37.4 no	Abara Abara Abara <td>loody loody loody</td> <td>8.60 8.60 8.10 8.10 8.10 8.10 8.10 8.10 1.00 1.0</td> <td></td> <td></td> <td>2.9 5 </td> <td>5</td> <td>APD</td> <td>- 1 - 1 - -</td> <td></td>	loody	8.60 8.60 8.10 8.10 8.10 8.10 8.10 8.10 1.00 1.0			2.9 5 	5	APD	- 1 - 1 - -	

Stephenso	14/01/2011	exceveling in orids/bed turning	N	9.12 9.17 n	-		2		0	1	60	no no	cloudy	10.789	no	he 4	4.5 S	W 12 cloudy	8	wet	no odours at church other than wet veg
l Stephenso I Stephenso	14/01/2011	excervating in grids/bed turning excervating in grids/bed turning excervating in grids/bed turning	NE NE1	9.12 9.17 n 9.18 9.23 y 9.24 9.27 9.28 9.32 y 9.34 9.32 y	2	veg and slight chemical odour	0 2	3	ò		61	no no	cloudy cloudy		no no	no no					1
1 Swphereo	14/01/2011	encavaarig in group our uning	E SE	9.28 9.32 y 9.34 9.39 h	4	wet veg, ground flooded	-1 2		0		62.9 58.5 55.8	no no no no	cloudy	11.609	00	no no					
I Stephenso	14/01/2011	securating a pricebal parring securating a pricebal parring	s SW	9.41 9.40 y 9.47 9.52 y 9.62 9.69 -	4	wet tarmac carcass wet tarmac storm	3 4		0		73.5	no no no no			00	no no			-		
I Stephenso	14/01/2011	According or global furning According on global furning	NW	5.33 9.35 µ 9.41 0.36 µ 9.41 0.50 µ 9.51 9.65 µ 9.53 9.65 µ 9.53 9.66 µ 10.64 µ 1.6.65 µ 16.51 1.6.62 µ 16.63 1.6.62 µ 16.64 1.6.52 µ 16.63 1.6.52 µ 16.64 1.6.52 µ 16.63 1.6.52 µ 16.64 1.6.52 µ 16.65 1.6.52 µ 16.66 1.6.52 µ 16.67 1.6.52 µ 16.68	4	storm wet veg. ground flooded	2 2		ő		76.4	no no no no	cloudy	10.789	00	no 4	4 5	12 cloudy	8	anit	too wet for dustmate. No odour at church other than natural vegetation (wet)
I Stephenso I Stephenso	14/01/2011	excavating in grids/bed turning excavating in grids/bed turning	NE NE1	16.11 16.16 y 16.17 16.22		wet veg, ground flooded wet veg and linen oc	1 2	3	ò		54	no no	cloudy cloudy		no no	no no					
I Stephenso I Stephenso	14/07/2011 14/07/2011 14/07/2011 14/07/2011 14/07/2011 14/07/2011 14/07/2011 17/07/2011 17/07/2011 17/07/2011	exclusion or granulated burring exclusions or granulated burring	E SE	16.23 16.28 y 16.30 16.35 y	4 4	wet veg	1 2	1	0		52 48	no no no no	cloudy	11.609	no no	no no					
I Stephenso I Stephenso	14/01/2011	excerning in gridsibed turning excerning in gridsibed turning	SW	16.38 16.43 y 16.44 16.47 y	5	wet tarmac and veg animal carcass	3 4		0		61 69	no no			no	no			_		
I Stephenso D Holman	14/01/2011	arcaviang in grissibat turning excerning in grissibat turning excerning in grissibat turning	NW N	16.55 17.00 y 10.02 10.07 y	3	wei tarmac wei tarmac vegetation	-1 2		0		74	no no no no	clear	9.239	no	no no	0.5 5	E 6 heavy rain	8	wet	
D Holman D Holman	17/01/2011	excevering in grids/bed turning excevering in grids/bed turning	NE NE1	9.56 10.01 y 9.50 9.55	1	vegetation	0 2	1			51	no no	clear clear								
D Holman D Holman	17/01/2011	excivuting in grids/bed turning excivuting in grids/bed turning excivuting in grids/bed turning	E SE	9.44 9.49 y 9.38 9.43 y	1	vegetation vegetation	0 2 0 3				62 52	no no no no	clear	9.839							
D Holman D Holman	17/01/2011	excernating in grida/bed turning excernating in grida/bed turning	S SW	9.32 9.37 y 9.26 9.31 y	1	vegetation vegetation and chlorine traffic fumes	0 3	1			46	no no no no									
D Holman D Holman D Holman D Holman D Holman D Holman D Holman D Holman	17/01/2011	excavating in gridsbed turning excavating in gridsbed turning excavating in gridsbed turning	NW NW	$\begin{array}{c} 9.22 \\ 8.37 \\ 8.38 \\ 1.567 \\ 8.38 \\ 1.567 \\ 8.38 \\ 1.567 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.562 \\ 1.563 \\ 1.56$	1	Inatic Turnes vegetation vegetation	0 2				80 52 57	no no no no	Clear	0.200			0.5	nw 5 rain showers	8	1000	
D Holman D Holman	17/01/2011	anamarina in panihala Juring anamarina in panihala Juring anawaring in panihala Juring	NE NE1	15.36 15.41 y 15.30 15.35	1	vegetation	0 2	-			55	no no	Clear								
D Holman D Holman D Holman D Holman	17/01/2011	excavating in grids/bed turning excavating in grids/bed turning	E SE	15.24 15.29 y 15.18 15.23 y	-	vegetation	0 2	1			54 58	no no no no	Clear	9.839					_		
D Holman D Holman	17/01/2011	excervating in grids/bed turning excervating in grids/bed turning	S SW	15.12 15.17 y 15.06 15.11 y	1	vegetation vegetation vegetation	0 3	1			64 73	no no no no									
D Holman D Holman D Holman	17/01/2011 17/01/2011 18/01/2011	excervating in grids/bed turning excervating in grids/bed turning	W NW	15.00 15.05 y 15.48 15.53 y	1	vegetation vegetation vegetation	0 4		0		79 79	no no no no								wet	
D Holman D Holman	18/01/2011 18/01/2011 18/01/2011	excerning in gross-bed curring excerning in gross-bed curring	NE NE	9.06 9.11 y	1	vegetation	0 2		0		63	no no	clear	9.519			1 15	v 2 sunny spells	2	www.	
D Holman D Holman	18/01/2011	excevering in grids/bed turning excevering in grids/bed turning	E	8.54 8.59 y 8.48 8.53 y	*	wantofee	0 2	1	0		58	no no no no	clear	9.999					_		
D Holman D Holman	18/01/2011 18/01/2011 18/01/2011 18/01/2011	anarana a dalabat anna anarana a dalabat turing ensavara a dalabat turing	S SW	8.64 8.59 y 8.42 8.53 y 8.42 8.47 y 8.33 8.44 y 8.33 8.44 y 8.33 8.34 y 8.34 8.34 y 8.35 8.34 y 7.30 17.32 y 17.43 17.23 y 17.43 17.23 y 17.14 17.23 y 17.15 17.23 y 17.16 17.17 y 17.17 17.23 y 17.18 17.23 y 17.09 17.01 y 17.00 17.05 y	1	vegetation vegetation vegetation	0 3 0 4		0		65 75	no no no no						6 clear			
D Holman D Holman	18/01/2011	exceivating in grids/bed turning exceivating in grids/bed turning	W NW	8.30 8.35 y 9.18 9.23 y	1	vegetation	0 4	1	0		80 80	no no no no							-	1	
D Holman D Holman D Holman	18/01/2011	excavating in grids/bed turning excavating in grids/bed turning excavating in grids/bed turning	NE	17.42 17.47 y 17.36 17.41 y	2	vegetation vegetation vegetation and earth/crushed concrete	0 2 0 2	3	0		58 62	no no no	cloudy cloudy	9.519		0	usi w	6 clear	2	wit	
D Holman D Holman D Holman	18/01/2011 18/01/2011 18/01/2011	excovating in grids/bed turning excovating in grids/bed turning excovating in grids/bed turning	E SE	17.30 17.35 17.24 17.29 y 17.18 17.29 y	1	vegetation vegetation	0 2		0		57	no no no no	cloudy	9.999	<u> </u>		_		1-	L	
D Holman D Holman		ancavaning in gindasibad turning axcavating in gindasibad turning axcavating in gindasibad turning	s sw	17.12 17.17 y 17.06 17.11 y	1	vegetation vegetation	0 3		õ		64 73	no no			—		-		1		
D Holman D Holman D Holman	18/01/2011	excevating in grids/bed turning	W NW	17.00 17.05 y 17.48 17.53 y	1	vegetation	0 4		0		79 80	no no							L		
D Holman D Holman	19/01/2011 19/01/2011	excervating in gridsebed turning excervating in gridsebed turning excervating in gridsebed turning	N NE	17.64 17.53 9.60 9.65 9.61 9.55 9.62 9.57 9.63 10.03 9.64 9.57 9.65 10.03 9.66 10.03 10.04 10.06 10.15 10.27 10.16 10.27 10.26 10.27 10.27 10.28 10.28 15.40 15.30 15.35 15.31 15.32 15.32 15.32 15.31 15.32 15.32 15.32 15.31 15.32 15.32 15.32 15.31 15.32 15.32 15.32 15.31 15.32 15.32 15.32	2	vegetation chemical and vegetation earth/crushed concrete and detritus	0 2	2	0 0 0	187.9 79.7 188.6 86.4	59 59	no no no no	cloudy cloudy	9.439		Ó	0.5 W.		6	wat	
D Holman D Holman	19/01/2011 19/01/2011 19/01/2011 19/01/2011 19/01/2011	excavating in gridsibled turning excavating in gridsibled turning excavating in gridsibled turning excavating in gridsibled turning excavationg in gridsibled turning	NE1 E	9.52 9.57 9.58 10.03 y	2	chlorine and vegetation	0 2	3			56	no no	cloudy cloudy	9.849							
D Holman D Holman	19/01/2011	exceveting in grids/bed turning exceveting in grids/bed turning	SE S	10.04 10.09 y 10.10 10.15 y	1	vegetation	0 3		0	96.4 53.6	58 64	no no no no									
D Holman	19/01/2011	secondaria and databed urang economica problem urang economica proble	W	10.16 10.21 y 10.22 10.27 y	1	vegetation vegetation vegetation	0 4		0	197.8 120.6	73	no no									
D Holman D Holman	19/01/2011	excernating in grissional turning excernating in grissional turning excernation in minisional turning	N N NF	15.42 15.47 y	1	vegetation chemical and vegetation	0 2	1	ŏ		62	no no no no	cloudy cloudy	9.439		0	0.5 M	twr 1 dear	2	wet	
D Holman D Holman	19/01/2011	excavating in grids/bed turning excavating in grids/bed turning	NE1 E	15.30 15.35 15.24 15.29 y		vegetation	0 2		0		57	no no	doudy	9.849					_		
D Holman D Holman	19/01/2011 19/01/2011	excavating in gridsibed turning excavating in gridsibed turning	SE S	15.18 15.23 y 15.12 15.17 y	1	chlorine and vegetation	0 3 0 3	3	0		58 63	no no no no									
D Holman D Holman	19/01/2011	excavating in grids/bed turning excavating in grids/bed turning	SW W	15.06 15.11 y 15.00 15.05 y	-	vegetation	44		0		74 79	no no no no									
D Holman D Holman	19/01/2011 20/01/2011 20/01/2011	excerning in gridsibed turning excerning in gridsibed turning	NW	9.00 9.05 y	2	wet vegetation vegetation and chlorine	0 2		0		59	no no	clear	9.329		1	1 01	e 1 cloudy	8	wet	
	20/01/2011	exclusion or granulated burring exclusions or granulated burring	NE1 F	15.48 15.53 m 9.00 9.005 y 9.07 9.12 y 9.13 9.18 9.19 9.24 y 9.26 9.31 y 9.34 9.39 y 9.42 9.47 y 9.48 9.53 y		chemical and vegetation	0 2				51	00 00	dear	9.799							
D Holman D Holman D Holman	20/01/2011 20/01/2011	excavating in gridsbed turning excavating in gridsbed turning	SE S	9.26 9.31 y 9.34 9.39 y	1	chemical and vegetation	0 3	2	0 0		47	no no no no		4.144							
D Holman D Holman	20/01/2011 20/01/2011 20/01/2011 20/01/2011 21/01/2011 21/01/2011 21/01/2011 21/01/2011 21/01/2011 21/01/2011 21/01/2011 21/01/2011 21/01/2011	excervering in grids/bed turning excervering in grids/bed turning	SW W	9.42 9.47 y 9.48 9.53 y	1 2	vegetation vegetation vegetation	4 4		0		74 79	no no no no									
D Holman D Holman	20/01/2011 21/01/2011	excervating in gridsobed turning excervating in gridsobed turning excervating in gridsobed turning	NW	9.42 9.53 y 9.46 9.53 y 9.55 10.00 y 9.55 10.00 y 9.41 9.46 y 9.47 9.52 9.47 9.52 9.43 9.46 y 9.47 9.52 9.43 9.46 y 10.00 10.06 y 10.05 y 10.03 y 10.05 y 10.03	1	vegetation vegetation vegetation	0 2	1	0 0	23.9 23.1	78 59	no no no no	clear	9.409		0	0.5 W	nw 2 overcast	5	damp	
D Holman D Holman	21/01/2011 21/01/2011	excernating in grida/bed turning excernating in grida/bed turning	NE NE1	9.41 9.46 y 9.47 9.52		exhaust fumes	0 2	5		137.2 63.2	55	no no	clear clear								
D Holman D Holman	21/01/2011	excavating in grids/bed turning excavating in grids/bed turning excavating in grids/bed turning	SE SE	9.53 9.58 y 10.00 10.05 y 10.07 10.12 y	1	hydrocarbon vegetation and chlorine vegetation	0 3	3	0	42.1 38.6	53 46 63	no no no no	clear	9.689							
D Holman D Holman	21/01/2011	excerning in gridsbet turning excerning in gridsbet turning excerning in gridsbet turning	sw w	10.13 10.18 y 10.19 10.24 y	1	vegetation	0 4		o i	103.9 74.5	74	no no no no							-		
D Holman I Stephenso	21/01/2011 24/01/2011	excervating in grids/bed turning excervating in grids/bed turning excervating in grids/bed turning	NW N	10.26 10.31 y 8.36 8.41 n		vegetation vegetation	0 2	1	0		79 68	no no no no	clear	9.199	no	no					no odour at church
I Stephenso I Stephenso	24/01/2011 24/01/2011	excervating in grids/bed turning excervating in grids/bed turning	NE NE1	8.42 8.47 y 8.48 8.53	4	hydrocarbon solvent	2 2	5	0.1		54	no no	clear clear		no no	switched odour control on ho					
I Stephenso I Stephenso	24/01/2011 24/01/2011 24/01/2011 24/01/2011 24/01/2011 24/01/2011 24/01/2011 24/01/2011 24/01/2011 24/01/2011 24/01/2011	excervating in gridsbed turning excervating in gridsbed turning excervating in gridsbed turning excervating in gridsbed turning	E SE	10.13 10.16 V 10.19 10.24 V 10.26 10.31 V 8.36 8.41 h 8.42 8.47 V 8.48 8.53 8.48 8.53 9.08 9.13 h 9.08 9.13 h 9.08 9.13 h 9.25 9.26 V 9.27 9.26 V 15.59 h 15.59 h 15.69 15.59 h	2	hydrocarbon odour?	0 3	3	0		64 56	no no no no	clear	9.629	00	no no					
1 Stephenso	24/01/2011	securating in gridebad turning securating on gridebad turning securating on gridebad turning securating in gridebad turning securating of gridebad turning securating of gridebad turning	SW W	9.05 9.13 H 9.15 9.20 y	4	exhaust fumes exhaust fumes	0 4		0		69 24	no no no no			00	no no			-		
I Stephenso	24/01/2011	excavating in grids/bed turning excavating in grids/bed turning excavating in grids/bed turning	NW	9.27 9.32 n 15.54 15.59 n	-		2		0	130 90	78	no no no no	clear	9.199	00	no no	0.5 m		8	damp	no odour at church
			NE NE1	16.00 16.05 y 16.06 16.11	4	hydrocarbons	1 2	5	0	98 4 114 35	63	no no	clear clear		no no	check on odour control no					
I Stephenso I Stephenso	24/01/2011	excevating in grids/bed turning excevating in grids/bed turning	E SE	16.12 16.17 n 16.18 16.23 n			2				65 68	no no no no	clear	9.699							
1 Stephenso 1 Stephenso	24(0)(2011) 24(0)(2011) 24(0)(2011) 24(0)(2011) 24(0)(2011) 24(0)(2011) 24(0)(2011) 24(0)(2011) 24(0)(2011) 25(0)(exclusion or granulated burring exclusions or granulated burring	S SW	15.54 15.09 h 16.00 16.05 y 16.02 16.11 16.12 16.17 h 16.12 16.17 h 16.23 16.20 h 16.33 16.20 h 16.37 16.42 h 16.43 16.44 y 16.43 16.44 y 10.05 10.10 y 10.05 10.10 y 10.15 10.20 y			3		0	78 14	68 74 21	no no no			no no	h0 h0	_		1-	I	
I Stephenso I Stephenso T Walker	24/01/2011 24/01/2011 25/01/2011	excerning in groupued turning excerning in groupued turning excerning in ordis/bed turning	NW N	16.43 16.47 y 10.00 10.04 v	2	damp road and car fumes odour control	0 2 2 9	1	0	71 23	/1 75 46	no no no no	clear	9.199	no no	no no	3 44	v 6 drizzle	8	wet	eastern zone has aroma of odour control and toehtp
T Walker T Walker	25/01/2011	excavating in grids/bed turning excavating in grids/bed turning	NE NE1	10.05 10.10 y		odour control	2 2	5	0	42 16 56 25	57	no no	clear clear		no no	[v o oracle	Ŧ-	-	
T Walker T Walker	25/01/2011	excavating in grids/bed turning excavating in grids/bed turning	E SE	10.15 10.20 y 10.20 10.25 y 10.25 10.30 n 10.30 10.35 n 10.35 10.40 n 10.40 n	7	odour control/toe odour control	1 2 2 3	3	0 0	121 40	61 43	no no no no	clear	9.699	no no	1	\exists		E	E	
T Walker T Walker	25/01/2011	excevating in grids/bed turning excevating in grids/bed turning	s sw	10.25 10.30 n 10.30 10.35 n			3		0	94 32	47	no no no no			no no						
T Walker T Walker	25/01/2011	excervating in grids/bed turning excervating in grids/bed turning excervations in addit/bed turning	W NW	10.35 10.40 n 10.40 10.45 y	4	odour control	4	2	0	34	48	no no no no	elene	0.100	no no		,	v 9 rain	+		
T Walker T Walker	25/01/2011	axcavating in grids/bad turning axcavating in grids/bad turning axcavating in grids/bad turning axcavation	NE NE1	16.05 16.10 y	5	odour control	2 2	3	0	101 22 127 36	61	no no	clear	a. 1 a a	00	ľ	_ fa		Ť.	line	
T Walker T Walker	25/01/2011	excervating in gradules summing excervating in gradules turning excervating in gradules turning excervating in gradules turning	E SE	10.35 10.44 m 10.44 11.04 y 16.00 18.05 y 16.05 18.10 y 16.15 16.35 1 16.15 16.39 y 16.25 18.25 y 16.25 18.25 y 16.25 18.25 y 16.35 16.40 n 16.39 16.46 n 16.46 16.50 n 16.46 16.50 n	6	odour control odour control	2 2 3	3	0	128 24	67 64	no no no no	clear	9.699	no		-		1		
T Walker T Walker	25/01/2011 25/01/2011	excevering in gride/bed turning excevering in gride/bed turning	S SW	16.25 16.30 n 16.35 16.40 n			3		0	114 31	43 28	no no			no no						
T Walker T Walker	25/01/2011	excavating in grids/bed turning excavating in grids/bed turning excavating in grids/bed turning excavating in grids/bed turning	W	16.45 16.50 n 16.40 16.45 n			2	1	0		71 54	no no no no			no no		_	_			
I Stephenso I Stephenso	26/01/2011	excervating in grids/bed turning excervating in grids/bed turning	N NE	8.42 8.47 n 8.48 8.53 y	3	wet veg	0 2	1	0	56.2 69.3 96.5 53.2	65.4 74.9	no no no no	clear clear	9.198	no	no 0 ho	U N	E 4.4 clear	4	wet	no site odour at church - wet veg
1 Stephenso 1 Stephenso	26/01/2011	excovating in grids/bed turning excovating in grids/bed turning excovating in grids/bed turning	E	9.02 9.07 n		wet vegetation	2		0	210 97.8 46.1 89.1	63.8	no no	clear	9.644	00 00	10 h0	-		-	1	
I Stephenso I Stephenso	26/01/2011 26/01/2011 26/01/2011 26/01/2011 26/01/2011 26/01/2011 26/01/2011 26/01/2011 26/01/2011 26/01/2011	exclusion produkter furning exclusion produkter furning exclusions produkter furning	S SW	2.03 2.13 y 2.16 2.21 h 2.22 2.27 y 2.28 2.33 y 3.39 h 13.30 15.35 h 13.35 13.40 h 13.35 13.40 h 13.45 h			- 3		0	118 53.4	58.1 70.1	no no no no			no	10	_		1-		
I Stephenso I Stephenso	26/01/2011	excerning in grids/bed turning excerning in ords/bed turning	W	9.28 9.33 y 9.34 9.39 n		wet vegetation and tarmac slight chemical odour/car fumes/wet asphalt	-1 4	2	ů i		74.3	no no			no	no	-		1		
T Walker T Walker	26/01/2011 26/01/2011	excevering in grids/bed turning excevering in grids/bed turning	N NE	13.30 13.35 n 13.35 13.40 n	1	no odour no odour	0 2	-	0	47 38 136 20	58 29	no no no no	clear some small foam	9.198	no no	no 3 no	3.1 N		8	wet	
T Walker T Walker	26/01/2011 26/01/2011	excernating in grids/bed turning excernating in grids/bed turning	NE1 E	13.35 13.40 13.40 13.45 n	1	no odsur	0 2		0	98 35 23 29	37	no no	clear	9.644	no no	ho ho					
T Walker T Walker	26/01/2011	excerning in grids/bed turning excerning in grids/bed turning	8	13.50 13.55 v	3	pesticide pesticidetraffic fume	-1 3 -1 3	3	0	7.8 7.3	43 49	no no no no			no no	no				-	
T Walker T Walker	26/01/2011	Sacada a pricha Intern Sacada a pricha Intern	SW W	13.55 14.00 n 14.05 14.10 n 14.15 14.20 n	1	no odour no odour no odour	0 4		0 0	106 111	67 54	no no no no			no no	no no					
T Walker T Walker	27/01/2011	excerneng in growoold turning excernening in grids/bed turning excernence in addit/bed turning	NW N	9.30 9.35 n		no odour no odour no odour	0 2		0	28.3 36.5	48 57 58.1	no no	clear	9.198	no	no ho 1	1.4 N	W 1.5 dry	8	diy	church road has slight pesticide getting stronger over fire exi
T Walker	27/01/2011	excerning in growned Utility excerning in grids/bed turning enrouting in order/bed turning	NE1 F	9.30 9.35 n 9.35 9.40 n 9.40 9.45 9.45 9.50 n 9.50 9.55 n			2			36./ 37.1	87	00 00	clear	9.638	00	no no	_		1		
TWalker					12	no odour no odour	0 5		0		59	00 00	1		00	no			1	1	

T Walker 27/01/2011	excavating in grids/bed turning	S	9.55	10.00 m	1	no odour	0	3	1 0	176	29.4	67	no	no				no	no					
T Walker 27/01/2011	exceivating in grids/bed turning	SW	10.00	10.05 m	1	no odour	0	4	1 0)		51	no	no				no	00					
	exceivating in grids/bed turning	W	10.05		1	no odour	0	4	1 0) 72	32	58	no I	no	_			no	no					
T Walker 27/01/2011	excavating in grids/bed turning	NW	10.10		1	no odour	0	2	1 0)		77	'no	no				no	00					
	excavating in grids/bed turning	N	15.00		1	no odour	0	2	1 0) 112	10	61	no	no	-	lear	9.198	no	00	1.6	nnw 4 dry	7	dry	
	excevating in grids/bed turning	NE	15.05		1	no odour	0	2	1 0	67	53	67	no	no	-	lear		no	no					
T Walker 27/01/2011	excavating in grids/bed turning	NE1	15.10	15.15						43	28				Ċ	lear		no	00					
		E	15.15		1	no odour	0	2	1 0	23	31	54	i no	no	-	lear	9.638	no	00					
T Walker 27/01/2011	excevating in grids/bed turning	SE	15.20	15.25 n	1	no odour	0	3	1 0			53	l no	no	_			no	no					
T Walker 27/01/2011 T Walker 27/01/2011 T Walker 27/01/2011	excavating in grids/bed turning	S	15.25		3	pesticides	-1	3	3 0) 36	11	68	no I	no				no	no					
T Walker 27/01/2011	excevating in grids/bed turning	SW	15.30	15.35 y	4	pesticides	-2	4	3 0)		60	no I	no				no	no					
	excevating in grids/bed turning	W	15.35	15.40 y	4	pesticides	-2	4	3 0	67	26	59	i no	no				no	no					
T Walker 27/01/2011	excavating in grids/bed turning	NW	15.40	15.45 n	1	no odour	0	2	1 0)		71	no	no				no	no					
	excevating in grids/bed turning	N	10.00		1	no odour	1	2	1 0	58.8	10	73	l no	no		lear	9.199	no	no	1.5	nnw 2.4 dry	6	dry	moderate to strong pesticide smell on church road, no foggers on site, odour control currently being repaired
T Walker 28/01/2011	excavating in grids/bed turning	NE	10.05	10.10 m	1	no odour	1	2	1 0	185	11	67	'no	no	-	lear		no	no					
T Walker 28/01/2011	excavating in grids/bed turning	NE1	10.05	10.10						435	46				Ċ	lear		no	no					
T Walker 28/01/2011	exceivating in grids/bed turning	E	10.10	10.15 n	1	no odour	1	2	1 0) 34	11	66	no	no	-	lear	9.641	no	no					
T Walker 28/01/2011	excevating in grids/bed turning	SE	10.15	10.20 y	4	church road pesticides	-2	3	3 0			69	no I	no				no	no					
T Walker 28/01/2011	excavating in grids/bed turning	S	10.20	10.25 y	4	church road pesticides	-2	3	3 0	310	228	67	'no	no				no	no					
T Walker 28/01/2011 T Walker 28/01/2011	excervating in grids/bed turning excervating in grids/bed turning	SW	10.25	10.30 y	5	church road pesticides	-2	4	3 0			65	i no	no	_			no	no					
T Walker 28/01/2011	excevating in grids/bed turning	W			1	no odour	1	4	1 0	398	40	64	no	no				no	no					
T Walker 28/01/2011	excavating in grids/bed turning	NW	10.35	10.40 n	1	no odour	1	2	1 0)		62	no	no				no	no					
																								some slight toe odour from direct dig location. Pesticide smell on church road, in both cases odours were
T Walker 28/01/2011	excevating in grids/bed turning	N	14.00		2/3	TCE/Pesticides	-1	2	3 0	120	82	57	no	no	. 0	lear	9.199	no	no	1	nnw 9.8 sun/dry	3	dry	deemed not to be excessive no action was taken.
T Walker 28/01/2011	exceveting in grids/bed turning	NE	14.05		2	Pesticides	-1	2	3 0	46	11	62	no	no	-	lear		no	no					
T Walker 28/01/2011	exceivating in grids/bed turning	NE1	14.05							147	53				Ċ	lear		no	no					
T Walker 28/01/2011	exceivating in grids/bed turning	E	14.10		1	no odour	0	2	1 0) 286	84	61	no	no	-	lear	9.641	no	no					
T Walker 28/01/2011	excavating in grids/bed turning	SE	14.15		1	no odour	0	3	1 0)		67	no	no				no	no			1	1	T
T Walker 28/01/2011	excavating in grids/bed turning	S	14.20		3	pesticides	-1	3	3 0) 114	58	68	no I	no				no	no					
T Walker 28/01/2011	excavating in grids/bed turning	SW	14.25	14.30 y	3	pesticides	-2	4	3 0)		71	no	no				no	no					
T Walker 28/01/2011	excevating in grids/bed turning	W	14.35	14.40 y	3	pesticides	-2	4	3 0	58	21	47	no	no				no	no			1	1	T
T Walker 28/01/2011	exceivating in grids/bed turning	NW	14.40	14.45 n		no odour	0	2	1 0)		41	no	no				no	no			1	1	1



Appendix C

Long term Passive VOC Monitoring





LABORATORY ANALYSIS REPORT

REPORT NUMBER CUSTOMER GRADKO LAB REFERENCE DATE SAMPLES RECEIVED DESPATCH REF.NUMBER JOB NUMBER BOOKING IN REF. GCMS 4613 Vertase FLI Ltd GMSF 0221-0231 31.01.11 SOR005598 907BR1/5302 E 0587

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 06590
Exposure Time(mins)	44570
Sample ID	North East

Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		126.38	1.42
Toluene		106.25	1.19
m/p-Xylene		30.38	0.34
Benzene, 1,2,3-trichloro-4-methyl-		24.45	0.27
Benzene, 1,2-dichloro-		23.37	0.26
Benzene		17.19	0.19
o-Xylene		14.81	0.17
Benzonitrile		12.32	0.14
Trichloroethylene		12.09	0.14
Benzene, 1,4-dichloro-2-methyl-		10.06	0.11
Tube Number Exposure Time(mins) Sample ID	GRA 03726 44570 East		

Top 10 VOC'S		
Compounds	ng on tube	ppb in air*
Tetrachloroethylene	104.75	1.18
Toluene	103.61	1.16
Benzene, 1,2,3-trichloro-4-methyl-	26.97	0.30

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.

Form LQF32 Issue 2

Report Number GCMS4613

Page 1 of 6

REPORT OFFICIALLY CHECKED

This signatur	Gradko International Ltd e confirms the authenticity of these results
Signed	KAT
	Gates, Laboratory Supervisor





LABORATOR	Y ANALYSI	IS REPOR	Г
m/p-Xylene		23.32	0.26
Benzene		16.70	0.19
Benzene, 1,4-dichloro-2-methyl-		15.38	0.17
o-Xylene		11.26	0.13
Phenol		10.39	0.12
Undecane		10.35	0.12
Tridecane		7.12	0.08
Tube Number	GRA 06107		
Exposure Time(mins)	44565		
Sample ID	South East		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		70.74	0.79
Toluene		65.34	0.73
Benzene, 1,2,3-trichloro-4-methyl-		22.76	0.26
Tetradecane		22.66	0.25
m/p-Xylene		22.55	0.25
Benzene		20.86	0.23
o-Xylene		17.11	0.19
Phenol		10.67	0.12
Octane		10.15	0.11
Undecane		9.91	0.11
Tube Number	GRA 06402		
Exposure Time(mins)	44565		
Sample ID	South		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Toluene		46.55	0.52
Tetrachloroethylene		29.68	0.33
m/p-Xylene		17.60	0.20
Benzene		13.08	0.15
o-Xylene		11.16	0.13
Undecane		8.04	0.09
Benzonitrile		6.66	0.07

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.

Form LQF32 Issue 2

Report Number GCMS4613

Page 2 of 6

REPORT	OFFICIALLY CHECKED
--------	--------------------

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





LABORATOR	Y ANALYSI	S REPOR	Γ
Ethylbenzene		6.62	0.07
Phenol		6.61	0.07
Benzene, 1,2,4-trimethyl-		4.75	0.05
Tube Number Exposure Time(mins) Sample ID	GRA 05263 44565 South West		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Toluene		85.38	0.96
Tetrachloroethylene		80.52	0.90
m/p-Xylene		30.01	0.34
Benzene		24.62	0.28
Dodecane		24.34	0.27
Heptane, 2,2,4,6,6-pentamethyl-		18.31	0.21
o-Xylene		15.42	0.17
Undecane		15.17	0.17
Tridecane		14.92	0.17
Pentadecane		13.55	0.15
Tube Number Exposure Time(mins) Sample ID	GRA 04299 44560 West		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Tetrachloroethylene		79.43	0.89
		74.68	0.84
m/p-Xylene		28.68	0.32
Benzene		17.48	0.20
Tetradecane		15.77	0.18
o-Xylene Phenol		14.41 10.25	0.16 0.11
Tridecane		9.68	0.11
Benzene, 1,2,3-trichloro-4-methyl-		9.57	0.11
Hexadecane		9.24	0.10

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.

Form LQF32 Issue 2

Report Number GCMS4613

Page 3 of 6

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

REPORT OFFICIALLY CHECKED





LABORATORY ANALYSIS REPORT

Tube Number Exposure Time(mins) Sample ID	GRA 06429 44555 North West		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Toluene		101.96	1.14
Tetrachloroethylene		82.30	0.92
m/p-Xylene		49.71	0.56
Benzene, 1,2,4-trimethyl-		25.30	0.28
o-Xylene		20.71	0.23
Benzene		20.03	0.22
Benzene, 1,2,3-trichloro-4-methyl-		17.93	0.20
Ethylbenzene		15.09	0.17
Pentadecane		13.86	0.16
Benzene, 1,4-dichloro-2-methyl-		13.18	0.15

Tube Number	GRA 03718**
Exposure Time(mins)	44575
Sample ID	North

Compounds	ng on tube	ppb in air*
Tetrachloroethylene	64.77	0.73
Naphthalene	60.93	0.68
Toluene	55.85	0.63
Benzene	19.03	0.21
m/p-Xylene	17.85	0.20
Benzamide, N,N-dimethyl-	15.25	0.17
Pentadecane	14.16	0.16
o-Xylene	12.17	0.14
Phenol	10.87	0.12
Naphthalene, 2-methyl-	9.53	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.

Form LQF32 Issue 2

Report Number GCMS4613

Page 4 of 6

REPORT	OFFICIALLY CHECKED
--------	--------------------

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





LABORATORY ANALYSIS REPORT

Tube Number Exposure Time(mins) Sample ID	GRA 02551 44560 WWTW		
Top 10 VOC'S			
Compounds		ng on tube	ppb in air*
Toluene		25.14	0.28
Benzene		18.23	0.20
Benzamide, N,N-dimethyl-		14.46	0.16
m/p-Xylene		14.10	0.16
Pentadecane		12.99	0.15
Tetrachloroethylene		11.82	0.13
o-Xylene		10.59	0.12
Octane		9.58	0.11
Phenol		8.77	0.10
Benzonitrile		6.63	0.07
Tube Number Exposure Time(mins)	GRA 00951 44535		

Sample ID Church Road

Top 10 1/00'S

Top 10 VOC'S		
Compounds	ng on tube	ppb in air*
Naphthalene	154.41	1.73
Toluene	79.41	0.89
m/p-Xylene	60.05	0.67
o-Xylene	25.22	0.28
Phenanthrene	20.36	0.23
Benzene	18.93	0.21
Ethylbenzene	16.25	0.18
Tetrachloroethylene	15.15	0.17
Pentadecane	14.10	0.16
Phenol	12.85	0.14

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.

Form LQF32 Issue 2

Report Number GCMS4613

Page 5 of 6

REPORT OFFICIALLY CHECKED

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





LABORATORY ANALYSIS REPORT

Tube Number	GRA 07297
Exposure Time(mins)	44570
Sample ID	Queen's Close

Top 10 VOC'S		
Compounds	ng on tube	ppb in air*
Toluene	96.47	1.08
m/p-Xylene	20.01	0.22
Benzene	18.25	0.20
o-Xylene	13.79	0.15
Benzonitrile	10.90	0.12
Pentadecane	9.60	0.11
Ethylbenzene	8.45	0.09
Octane	7.01	0.08
Furfural	6.88	0.08
Benzene, 1,2,4-trimethyl-	6.82	0.08

Comment:** Tube number on the diffusion record sheet was incorrect. Semi-quantitative results for ng on tube are calculated using toluene standards.

Analysts	Name	
----------	------	--

M.Angelova

Date of Analysis 07.02.11

Date of Report 09.02.11

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.

Form LQF32 Issue 2

Report Number GCMS4613

Page 6 of 6

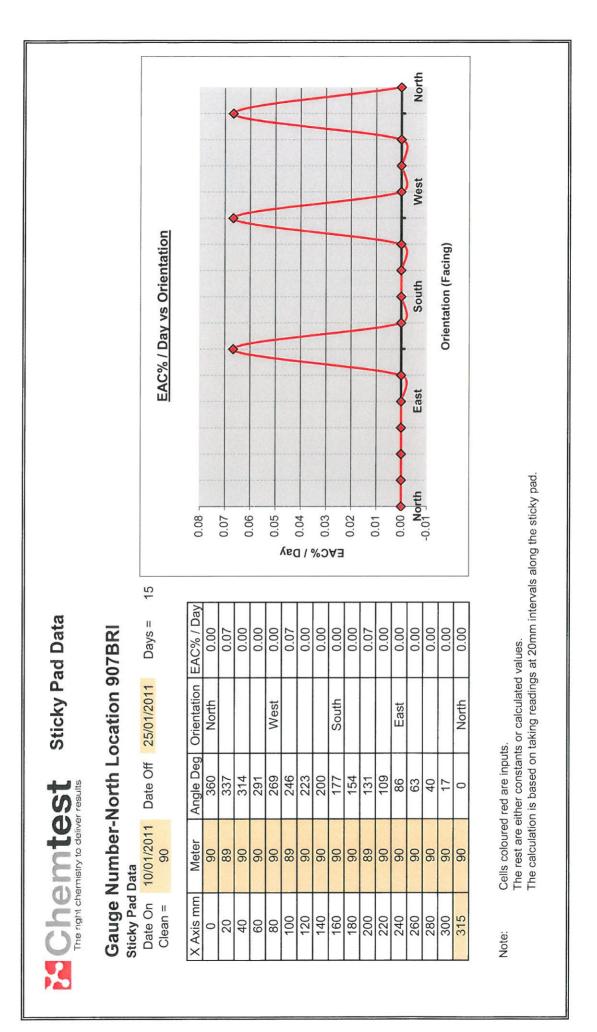
REPORT OFFICIALLY CHECKED	
---------------------------	--

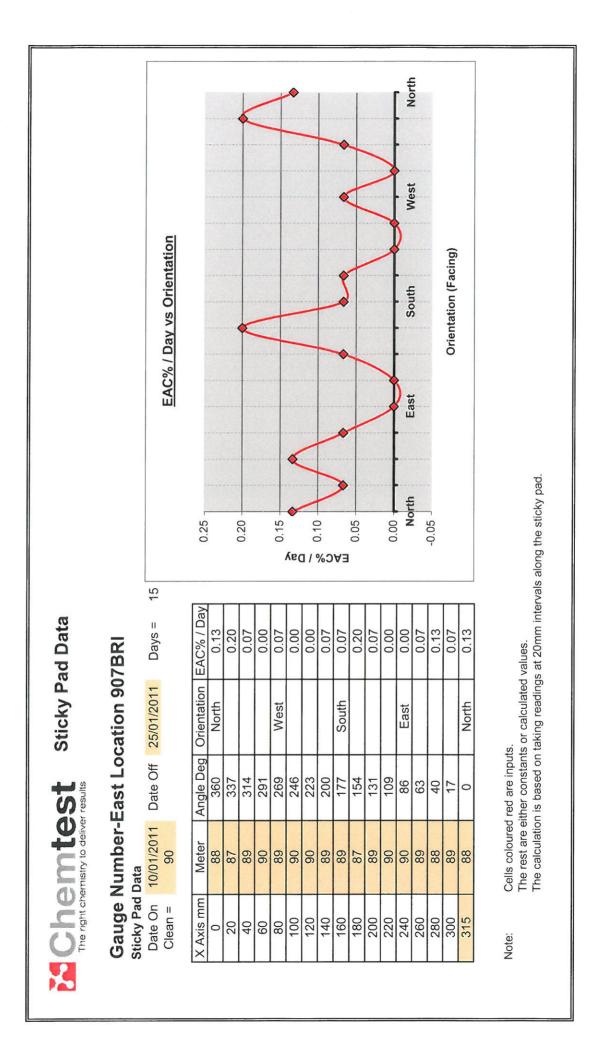
Gradko International Ltd This signature confirms the authenticity of these result.
Signed. Acates
L. Gates, Laboratory Supervisor

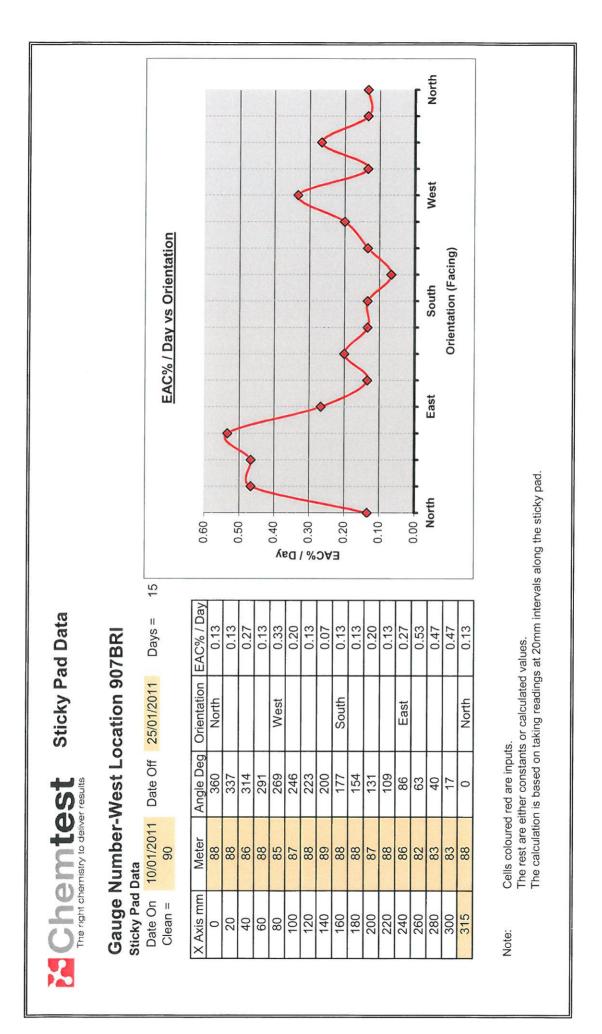


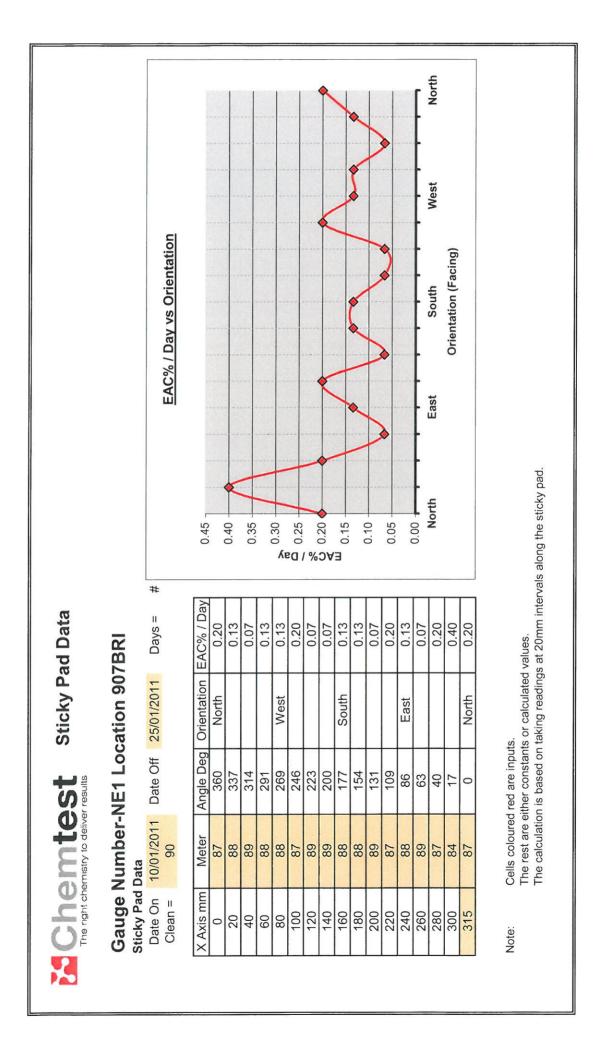
Appendix D

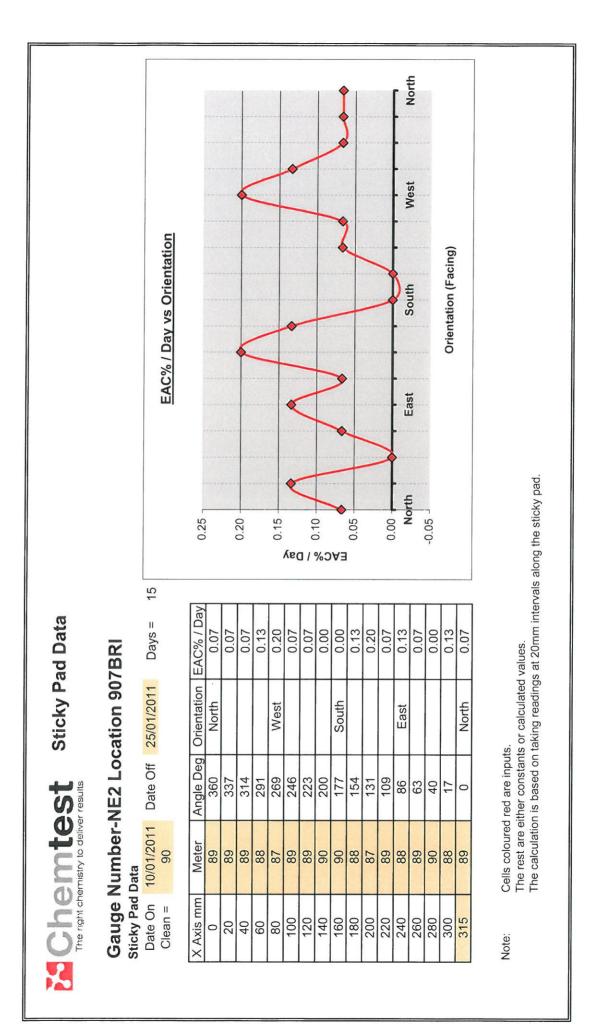
Directional Dust Monitoring

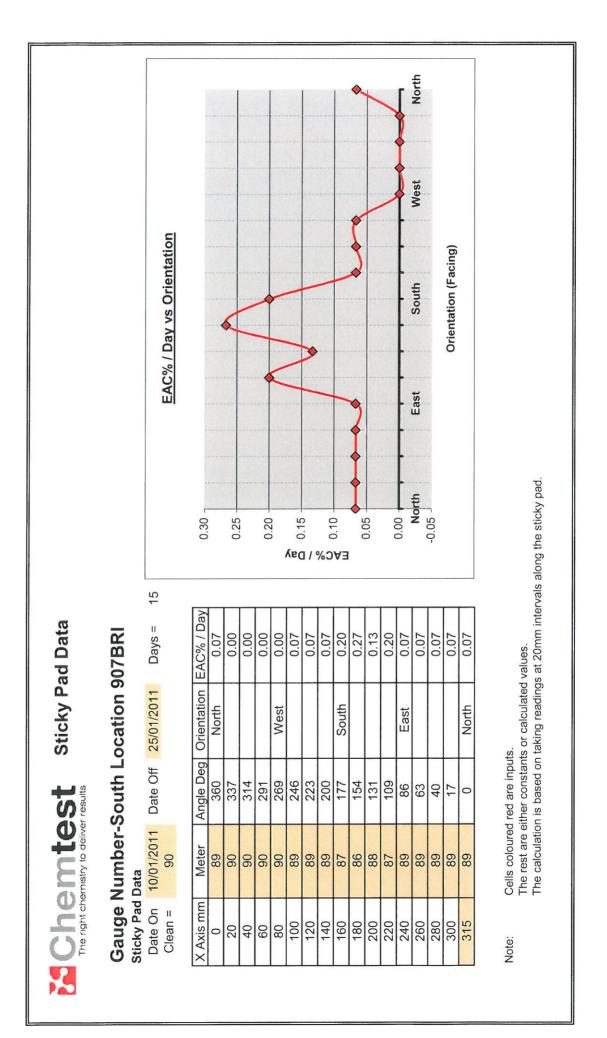














Appendix E Groundwater Level Data

Date	BH6/06	S3/4	BH4	BH10B/06	BH9	S1/8	BH11*	S2/6	BHB1	W1 (n)	W2	W3 (s)	Riddy 1	Riddy 2	Riddy 3	Riddy 4	V F12	V N3
04/01/2011	10.460	10.48	10.126	Covered	10.639	Lost	9.743	Covered	9.579	No Access	No Access	10.012	9.199	9.324	9.550	9.659	10.308	10.212
05/01/2011	10.420	10.46	10.129	Covered	10.639	Lost	9.693	Covered	9.53	No Access	No Access	9.965	9.199	9.334	9.550	9.659	10.278	10.202
06/01/2011	10.467	10.43	10.164	Covered	10.669	Lost	9.683	Covered	9.6	No Access	No Access	9.951	9.198	9.344	9.550	9.644	10.277	10.192
07/01/2011	10.368	10.406	10.108	Covered	10.669	Lost	9.683	Covered	9.56	No Access	No Access	9.899	9.198	9.324	9.550	9.638	10.227	10.218
10/01/2011	10.363	10.422	10.118	Covered	10.66	Lost	9.685	Covered	9.559	No Access	No Access	9.905	9.199	9.325	9.551	9.641	10.229	10.208
11/01/2011	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
12/01/2011	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
13/01/2011	12.270	11.86	12.794	Covered	12.039	Lost	11.143	12.533	12.2	12.37	12.44	12.51	10.789	11.094	11.160	11.609	12.048	11.422
14/01/2011	12.270	11.86	12.794	Covered	12.039	Lost	11.143	12.533	12.2	12.37	12.44	12.51	10.789	11.094	11.160	11.609	12.048	11.422
17/01/2011	10.110	10.69	10.354	Covered	10.569	Lost	9.833	10.523	9.76	10.32	10.3	10.26	9.299	9.354	9.600	9.839	10.308	10.062
18/01/2011	10.130	10.7	10.364	Covered	10.579	Lost	9.833	10.523	9.79	10.34	10.31	10.28	9.519	9.514	9.750	9.999	10.328	10.072
19/01/2011	10.110	10.63	10.364	Covered	10.579	Lost	9.833	Covered	9.69	No Access	No Access	10.15	9.439	9.474	9.610	9.849	10.328	10.102
20/01/2011	10.180	10.6	10.294	Covered	10.639	Lost	9.793	Covered	9.65	No Access	No Access	9.99	9.329	9.444	9.680	9.779	10.328	10.132
21/01/2011	10.260	10.56	10.234	Covered	10.639	Lost	9.813	Covered	9.61	No Access	No Access	10.03	9.409	9.514	9.510	9.689	10.308	10.142
24/01/2011	10.460	10.48	10.126	Covered	10.639	Lost	9.743	Covered	9.579	No Access	No Access	10.012	9.199	9.324	9.550	9.659	10.308	10.212
25/01/2011	10.420	10.46	10.129	Covered	10.639	Lost	9.693	Covered	9.53	No Access	No Access	9.965	9.199	9.334	9.550	9.659	10.278	10.202
26/01/2011	10.467	10.43	10.164	Covered	10.669	Lost	9.683	Covered	9.6	No Access	No Access	9.951	9.198	9.344	9.550	9.644	10.277	10.192
27/01/2011	10.368	10.406	10.108	Covered	10.669	Lost	9.683	Covered	9.56	No Access	No Access	9.899	9.198	9.324	9.550	9.638	10.227	10.218
28/01/2011	10.363	10.422	10.118	Covered	10.66	Lost	9.685	Covered	9.559	No Access	No Access	9.905	9.199	9.325	9.551	9.641	10.229	10.208



Appendix F Surface Water Analysis Reports



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: 226203-2

Date of Report: 04-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: 31-Jan-2011 Date Analysis Started: 31-Jan-2011 Date Analysis Completed: 04-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: 226203

Customer Reference: 907 BRI

		oor bru						
Water Vertase Hauxton Suite		Analysed	as Water					
			SA	L Reference	226203 001	226203 002	226203 003	226203 004
		Custor	ner Sampl	e Reference	Riddy Upstream	Cam Upstream	Cam Upstream Riddy Downstream	
			Da	ate Sampled	27-JAN-2011	27-JAN-2011	27-JAN-2011	27-JAN-2011
Determinand	Method	Test Sample	LOD	Units				
Electrical Conductivity	T7	AR	10	µS/cm	890	880	910	870
рН	T7	AR			7.7	8.0	8.1	8.1

SAL Reference: 226203

Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton OP/ON Suite

				L Reference	226203 001	226203 002	226203 003	226203 004	
		Custon	ner Sampl	e Reference	Riddy Upstream Cam Upstream		Riddy Downstream	Cam Downstream	
			Da	ate Sampled	27-JAN-2011	27-JAN-2011	27-JAN-2011	27-JAN-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	0.2	<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: 226203 Customer Reference: 907 BRI

Water

Analysed as Water Vertase Hauxton Phenoxy Acid Herbs Suite

	1000	1.10	SA	L Reference	226203 001	226203 002	226203 003	226203 004	
		Custon	ner Sampl	e Reference	Riddy Upstream	Cam Upstream	Riddy Downstream	Cam Downstream	
			27-JAN-2011	27-JAN-2011	27-JAN-2011	27-JAN-2011			
Determinand	Method	Test Sample	LOD	Units			0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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: 226203 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton SVOC Suite

			SA	L Reference	226203 001	226203 002	226203 003	226203 004
		Custon	ner Sampl	e Reference	Riddy Upstream	Cam Upstream	Riddy Downstream	Cam Downstream
			Da	ate Sampled	27-JAN-2011	27-JAN-2011	27-JAN-2011	27-JAN-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: 226203

Analysed as Water

Customer Reference: 907 BRI

Water

Vertase Hauxton VOC Su	ite	·						
			SA	L Reference	226203 001	226203 002	226203 003	226203 004
		Custor	ner Sampl	e Reference	Riddy Upstream	Cam Upstream	Riddy Downstream	Cam Downstream
			D	ate Sampled	27-JAN-2011	27-JAN-2011	27-JAN-2011	27-JAN-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	<1	<1	3	<1
Cyclohexanone	T54	AR	10	µg/l	<10	<10	<10	<10
Tetrachloroethene	T54	AR	1	µg/l	<1	<1	2	<1
Toluene	T54	AR	1	µg/l	<1	<1	<1	<1
Trichloroethene	T54	AR	1	µg/l	<1	<1	7	<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 226203-2

Value	Description
AR	As Received
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	001-004
рН	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
Месоргор	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 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: 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 SAL Reference 226523 001 226523 002 226523 003 226523 004 **Customer Sample Reference** BH9 BH11 N3 S3/4 Date Sampled 01-FEB-2011 01-FEB-2011 01-FEB-2011 01-FEB-2011 Test Determinand Method LOD Units Sample Electrical Conductivity Τ7 AR 10 µS/cm 2200 1100 2000 3700

7.3

7.3

7.2

7.3

SAL Reference: 226523

Τ7

AR

Customer Reference: 907 BRI

Water Analysed as Water Vertase Hauxton OP/ON Suite

pН

Water

			SA	L Reference	226523 001	226523 002	226523 003	226523 004	
		Custor	ner Samp	le Reference	BH9	BH11	N3	S3/4	
			D	01-FEB-2011	01-FEB-2011	01-FEB-2011	01-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	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	AR	0.01	µg/l	<0.01	0.55	<0.01	<0.01	

SAL Reference: 226523 Customer Reference: 907 BRI

Analysed as Water

	1.25	226523 001	226523 002	226523 003	226523 004			
		BH9	BH11	N3	S3/4			
		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
Mecoprop	T16	AR	0.1	µg/l	35	6.2	29	63

SAL Reference: 226523 Customer Reference: 907 BRI

Water Analysed as Water

Vertase Hauxton SVOC Suite

			226523 001	226523 002	226523 003	226523 004		
		Custor	BH9	BH11	N3	S3/4		
			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	µg/l	<10	<10	<10	<10

SAL Ba	ference:	226522										
Customer Re	terence:	907 BRI										
Water		Analysed a	s Water									
Vertase Hauxton VOC Suite												
SAL Reference 226523 001 226523 002 226523 003 226523 004												
			BH11	N3	S3/4							
		Custor		e Reference				01-FEB-2011				
Date Sampled 01-FEB-2011 01-FEB-2011 01-FEB-2011 01-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	⁽¹³⁾ <1	(13) 3	⁽¹³⁾ <1	⁽¹³⁾ 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

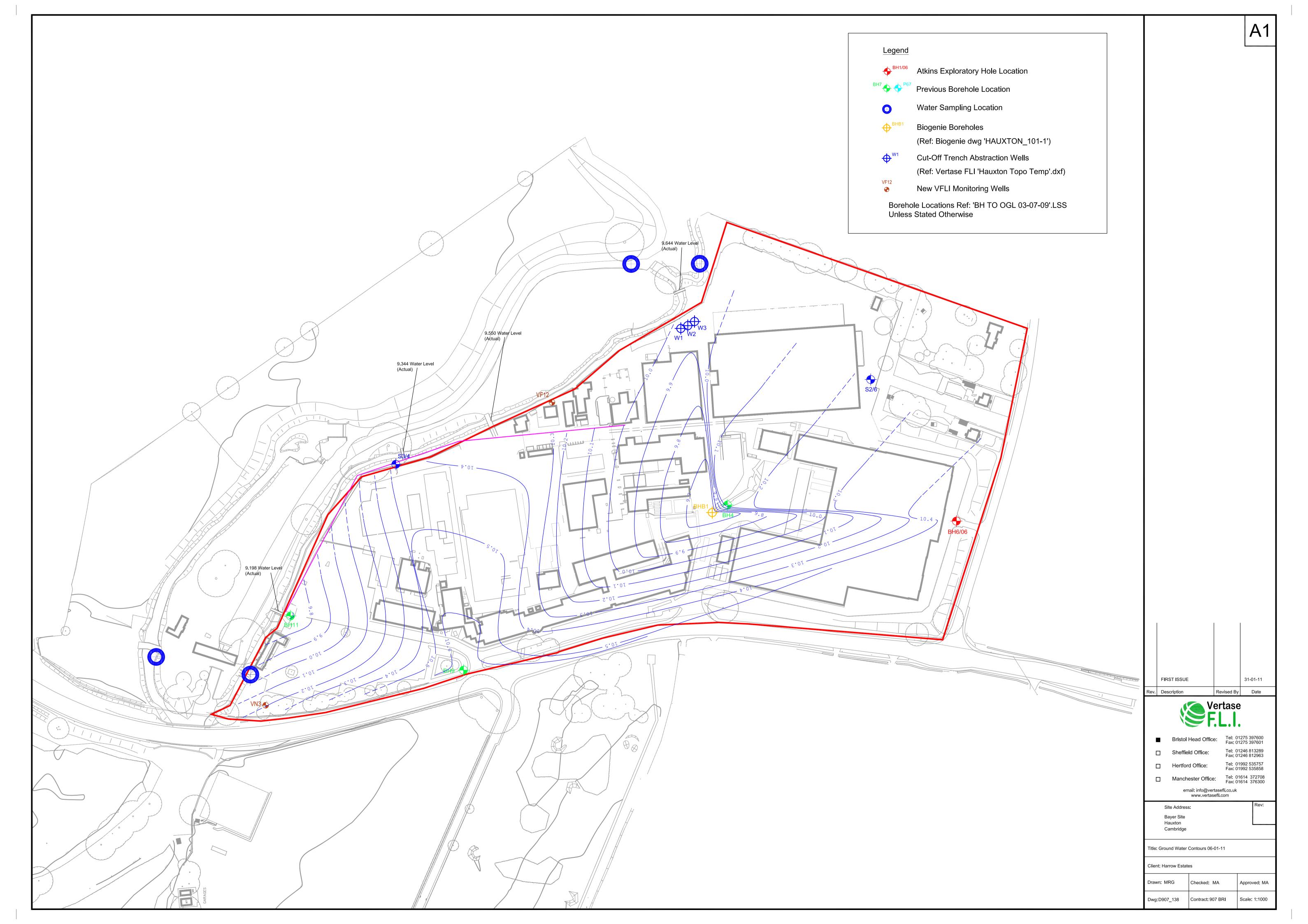
Value	Description
T54	GC/MS (Headspace)
T7	Probe
T16	GC/MS

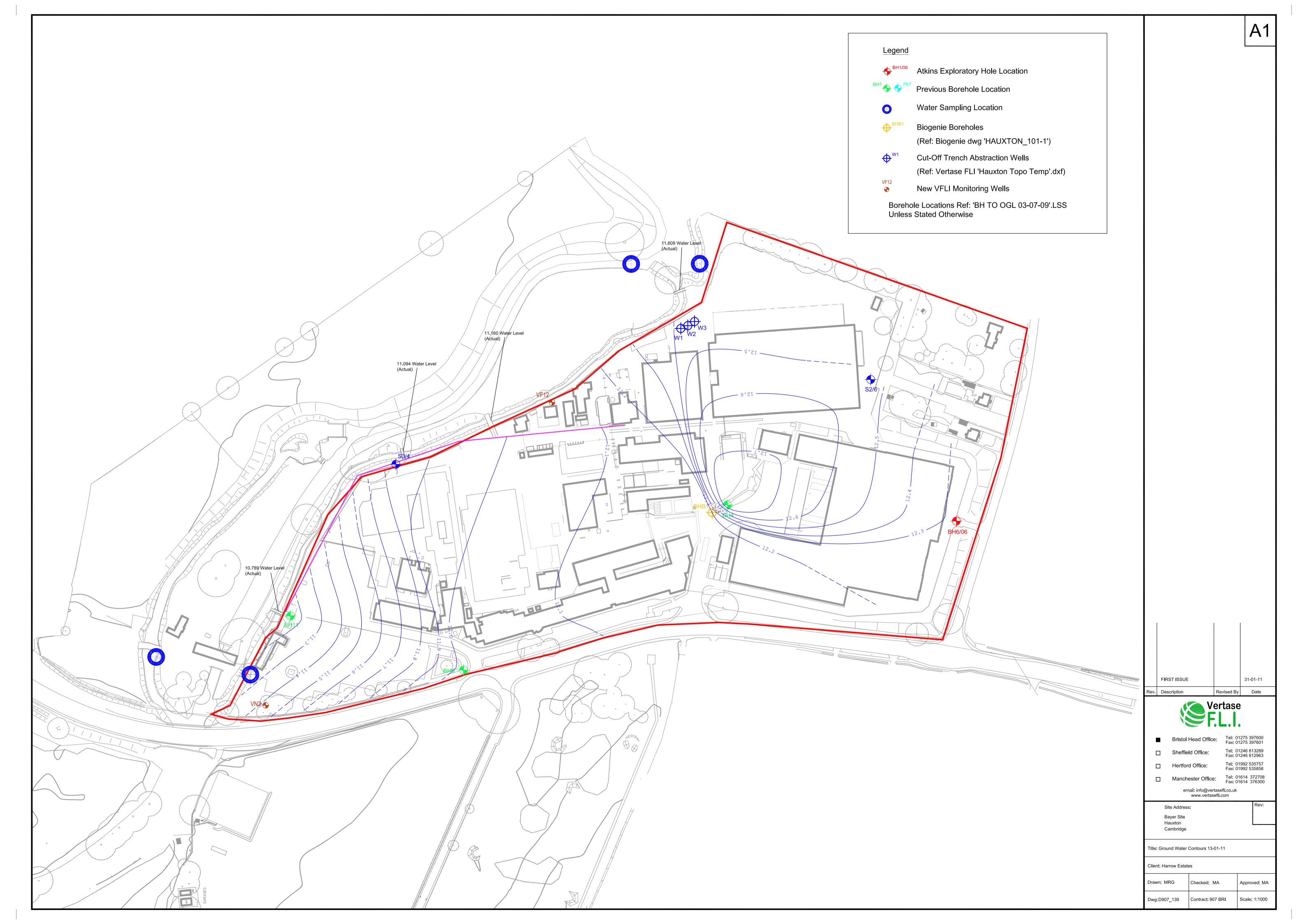
Accreditation Summary

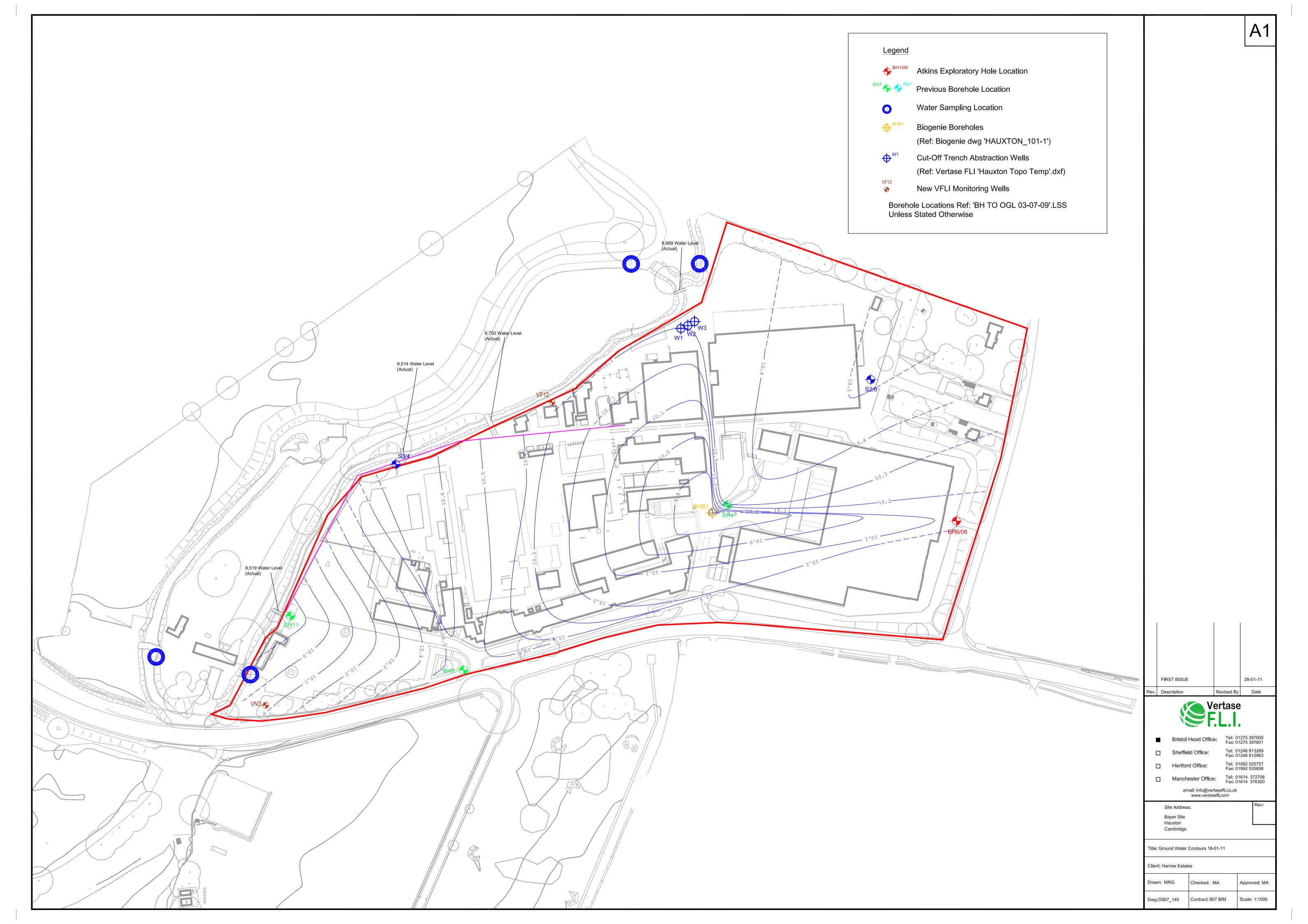
Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Electrical Conductivity	T7	AR	10	µS/cm	N	001-004
рН	T7	AR			U	001-004
Dimefox	T16	AR	0.1	µg/l	N	001-004
Ethofumesate	T16	AR	0.1	µg/l	N	001-004
Hempa	T16	AR	0.1	µg/l	N	001-004
Schradan	T16	AR	0.1	µg/l	N	001-004
Simazine	T16	AR	0.01	µg/l	N	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

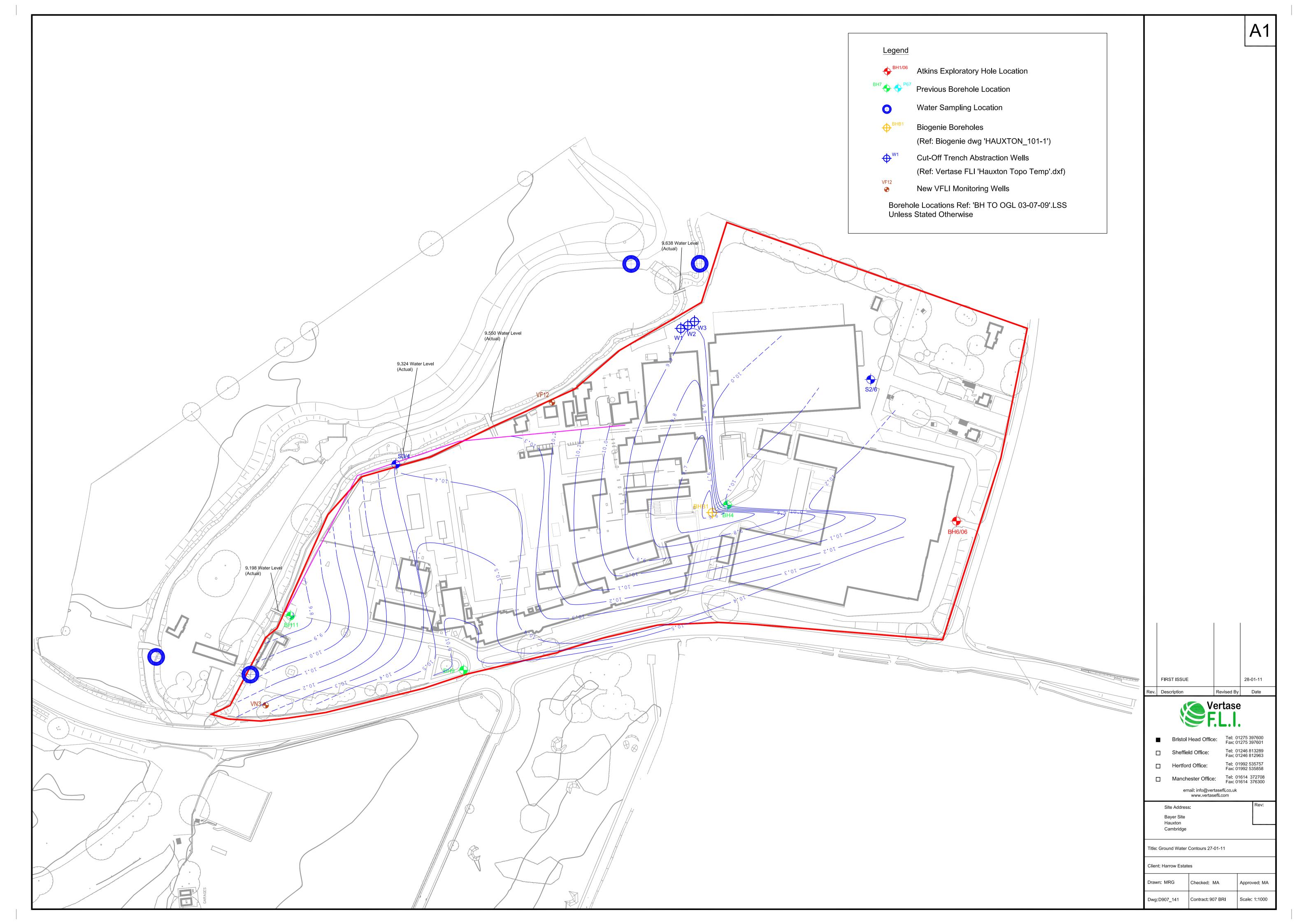


Appendix G Groundwater Contour Plots











Appendix H Waste Water Treatment Plant Discharge Analysis

						o							Total Atrazine,					
						Suspended Solids	A	Biochemical					Trietazine					
			Bromide		Sulphate Ion	(Total)	Ammoniacal Nitrogen	Oxygen Demand	ᆔ	Atrazina	Trietazine	Simazino	and	Benazolin	2,3,6-TBA	Dicamba	Hompo	Schradan
Sample Taken	Report Date Report Numb	er Sample Location			-	()	5		рп								•	
Sample Taken	Consented Levels		mg/l 50	mg/l 3000	mg/l 5000	mg/l 45	mg/l 15	mg/l 30	na	µg/l	µg/l otal of all th	µg/l	ug/l 250	μg/l 50	μg/l 20	µg/l 50	μg/l 274	μg/l 135
01/03/2010		7 Discharge Point	0.30	84.00	150.00	45 <10	<0.05		8.4	<0.02	0.07	<0.01	0.07	<0.1	0.40	<0.1	<0.1	<0.1
30/03/2010		29 Discharge Point	0.30	110.00	180.00	<10	< 0.05	<3 <3	8.7	<0.02	<0.07	<0.01	0.07	<0.1	0.40	<0.1	<0.1	<0.1
08/04/2010		39 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		79 T100 Circ	<1.0	110.00	190.00	<10	0.05	<3	7.9	<0.01	0.01	<0.01	0.00	<0.1	<0.1	<0.1	0.90	0.40
12/04/2010		7 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		1 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		76 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 20038	32 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 20148	37 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 20335	51 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 20561	3 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		3 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		31 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		6 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		1 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		15 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		25 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		26 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		50 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		17 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		58 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		7 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	<0.1	11	8.5
13/01/2011	25/01/2011 22462	23 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



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: 224623-1

Date of Report: 25-Jan-2011

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

Customer Contact: The Project Management

Customer Job Reference: 907BRI WWTW Customer Purchase Order: 907BRI WWTW Date Job Received at SAL: 14-Jan-2011 Date Analysis Started: 14-Jan-2011 Date Analysis Completed: 25-Jan-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 Referer	nce: 2246	23									
Customer Referer	nce: 907B	RI WWTW									
Water											
Miscellaneous											
	SAL Reference 224623 001 224623 002										
		Custor	ner Samp	le Reference	WWTW DISCHARGE	WWTW PRIMARY B					
Determinand	Method	Test Sample	LOD	Units							
Ammoniacal nitrogen	T4	AR	50	µg/l	380	220					
Biochemical Oxygen Demand	T7	AR	3000	µg/l	<3000	<3000					
рН	T7	AR			7.6	7.7					

SAL	Reference:	224623								
Custome	r Reference:	907BRI W	907BRI WWTW							
Water		Analysed	Analysed as Water							
Suite A										
			SA	L Reference	224623 001	224623 002				
		Custor	ner Sampl	e Reference	WWTW DISCHARGE	WWTW PRIMARY B				
Determinand	Method	Test Sample	LOD	Units						
Atrazine	T16	AR	0.01	µg/l	<0.01	2.3				
Trietazine	T16	AR	0.01	µg/l	0.05	2.5				

SAI	Reference:	224623										
Custome	r Reference:	907BRI W	907BRI WWTW									
Water		Analysed	Analysed as Water									
Suite B												
		120	SA	L Reference	224623 001	224623 002						
		Custom	ner Sample	e Reference	WWTW DISCHARGE	WWTW PRIMARY B						
Determinand	Method	Test Sample	LOD	Units								
Determinand Benazolin	Method T16		LOD 0.1	Units µg/l	<0.1	<0.1						

SAL Re	ference: 2	224623									
Customer Re	ference: 9	e: 907BRI WWTW									
Water	ŀ	Analysed as	Water								
Suite C											
			SAI	Reference	224623 001	224623 002					
		Custor	ner Sample	e Reference	WWTW DISCHARGE	WWTW PRIMARY B					
Determinand	Method	Test Sample	LOD	Units		-					
Bromide	T253	AR	100	µg/l	<200	300					
Chloride	T253	AR	200	µg/l	92000	92000					
Sulphate ion	T253	AR	100	µg/l	140000	140000					
Suspended Solids (Total)	T2	AR	10000	µg/l	<10000	<10000					

SAL	Reference:	224623								
Customer	Reference:	907BRI W	907BRI WWTW							
Water		Analysed	as Water							
Suite D										
		L Reference	224623 001	224623 002						
		Custor	ner Sampl	e Reference	WWTW DISCHARGE	WWTW PRIMARY B				
Determinand	Method	Test Sample	LOD	Units						
Dicamba	T16	AR	0.1	µg/l	0.1	3.1				
Hempa	T16	AR	0.1	µg/l	15	9.7				
Schradan	T16	AR	0.1	µg/l	6.5	3.3				
Simazine	T16	AR	0.01	µg/l	<0.01	0.63				

SAL Referer	nce: 2246	23								
Customer Referer	Customer Reference: 907BRI WWTW									
Water	Analysed as Water									
Suite E										
			SA	L Reference	224623 001	224623 002				
		Custor	ner Samp	le Reference	WWTW DISCHARGE	WWTW PRIMARY B				
Determinand	Determinand Method Test Sample LOD Units									
TVC at 22 C after 3 days	T34	AR	10	cfu/ml	42000	42000				
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	3000	4000				

Index to symbols used in 224623-1

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

Method Index

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

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Ammoniacal nitrogen	T4	AR	50	µg/l	U	001-002
Biochemical Oxygen Demand	T7	AR	3000	µg/l	Ν	001-002
pН	T7	AR			U	001-002
Atrazine	T16	AR	0.01	µg/l	Ν	001-002
Trietazine	T16	AR	0.01	µg/l	Ν	001-002
Benazolin	T16	AR	0.1	µg/l	N	001-002
2,3,6-TCB	T16	AR	0.1	µg/l	Ν	001-002
Bromide	T253	AR	100	µg/l	WU	001-002
Chloride	T253	AR	200	µg/l	WU	001-002
Sulphate ion	T253	AR	100	µg/l	WU	001-002
Suspended Solids (Total)	T2	AR	10000	µg/l	WN	001-002
Dicamba	T16	AR	0.1	µg/l	N	001-002
Hempa	T16	AR	0.1	µg/l	Ν	001-002
Schradan	T16	AR	0.1	µg/l	N	001-002
Simazine	T16	AR	0.01	µg/l	N	001-002
TVC at 22 C after 3 days	T34	AR	10	cfu/ml	SN	001-002
TVC at 37°C after 2 days	T34	AR	10	cfu/ml	SN	001-002



Appendix I Soil Characterisation Results Summary

Results Received	Reported to SCDC	Grid square	Contaminant	Concentration (µg/kg)	Likely use/origin
12.04.2010	06.05.2010	K15		VOC/SVOC peak	ks detected
12.04.2010	06.05.2010	K16	Series of Aromatic Hydrocarbons circa C ₁₃ -C ₁₆	17,000	Potential herbicide degradation products. The structures are smaller and less comple 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 agent 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 industria applications.
			Unidentified branched aromatic alcohol, C ₁₄	240,000	Potential herbicide degradation products. The structures are smaller and less comple
			Unidentified branched aromatic alcohol, C_{18}	290,000	than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured b
			Phenanthrene	4,100	
15.04.2010	00.05.0010	164.4	Fluoranthene	4,800	Encountered and assessed during site investigation, concentration below target value
15.04.2010	06.05.2010	6.05.2010 K14	Pyrene	3,900	
			Benzo(b/k)Fluoranthene	2,200	
			Dodecanoic acid (Lauric acid), isooctyl ester	2,400	Lauric acid - main acid in coconut oil a palm kernel oil, is non-toxic and safe handle, is used in many soaps, shampo and body butters.
07.05.2010 24.05.2010	K9	Unidentified Aliphatic Hydrocarbon circa C ₃₀	2,300	Potential herbicide degradation products. The structures are smaller and less complet than contaminants of concern and will therefore degrade more readily than the target contaminants and will be captured by the remediation process.	
			2,4-Dichloro-o-cresol	9,000	Potential herbicide degradation product
		Bis(2-ethylhexyl) maleate	3,800	Commonly used as an intermediate in hydrogenation or acetylation reactions, possibly used in agrochemicals manufacture	
			Cyclo octaatomic sulphur	2,800	S ₈ is the most common form of sulphur the solid state, widely used in insectici 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 a palm kernel oil, is non-toxic and safe handle, is used in many soaps, shampo and body butters.

I	1		Unidentified aromatic	8,400	Potential herbicide degradation products.
			hydrocarbon containing O and Cl	8,400	The structures are smaller and less complex
			circa C ₇		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	2,300	Potential herbicide degradation products.
57.00.2010	24.00.2010	LJ	Hydrocarbon circa C_{30}	2,000	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-	6,900	Potential Prochloraz degradation product
			trichlorophenoxy)ethane	-,	·
			Prochloraz	9,100	Fungicide
			Unidentified aromatic	9,400	Potential herbicide degradation products.
13.05.2010	24.05.2010	H9	hydrocarbon containing CI circa	-,	The structures are smaller and less complex
	(09.06.2010)		C ₈		than contaminants of concern and will
			5	0.400	therefore degrade more readily than the
			Unidentified aromatic amine	2,100	target contaminants and will be captured by
			containing CI circa C ₁₁		the remediation process.
13.05.2010	24.05.2010	17	No SVOC peaks detected		
			2,4-Dichloro-o-cresol	29,000	
		19	2,3,6-Trichlorotoluene	47,000	Botoptial borbicido dogradation product
			1-(2-Chloroethoxy)-2-(o-Tolyloxy)-	20,000	Potential herbicide degradation product
			ethane		
12.05.2010	24.05.2010		Unidentified aromatic alcohol	25,000	Potential herbicide degradation product The structures are smaller and less comp
13.05.2010	(09.06.2010)		containing CI circa C7		
			Unidentified aromatic	12,000	than contaminants of concern and will
			hydrocarbon containing O circa	12,000	therefore degrade more readily than the
			C ₁₆₋₁₈		target contaminants and will be captured by
			016-18		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	H7	Dichloromethyl phenol	2,100	Same as 2,4-Dichloro-o-cresol (I9)
	(09.06.2010)				
05.05.2010	16.06.2010	K7	1,2-bis(2,4,6-	2400.0	As for H9
	(09.06.2010)		trichlorophenoxy)ethane		
05.05.2010	16.06.2010	K8	No VOC/SVOC peaks detected		
			2-methyl phenol	5,500	Encountered and assessed during sit
18.06.2010	29.06.2010	18			investigation, not a priority contaminant
10.00.2010	29.00.2010	10	1,2-dichlorobenzene	3,600	Contaminant of concern, already included
					the standard validation suite
17.06.2010	29.06.2010	K10	2,4-Dichloro-o-cresol	550,000	As for I9 and H7
	(09.06.2010)				
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
			2-methylnaphthalene	3,900,000	investigation, not a priority contaminant

20.07.2010	21.07.2010	K10 NAPL	1-methylnaphthalene CAS 90-12-0	2,400,000	More toxic than 2-methylnaphthalene, mu be assessed separately
			Dinoseb CAS 88-85-7	68,000,000	2-(1-methylpropyl)-4,6-dinitro- phenol herbicide and insecticide. Yellow crystallin solid.
			Dichloromethyl phenol	24,000	As for 2,4-Dichloro-o-cresol (I9, H7, K10)
			1-(2-Chloroethoxy)-2-(o-Tolyloxy)- ethane CAS 21120- 80-9	13,000	Same as I9
			1,2,4-Trichlorobenzene	28,000	Encountered and assessed during site
21.07.2010	22.07.2010	J10	Trichlorobenzene	32,000	investigation, not a priority contaminant
			2-Chlorotoluene	60,000	investigation, not a phonty contaminant
			Trichloro toluene isomer	48,000	Same as I9
			Trichloro benzenamine isomer	11,000	
			2,3-Dichlorotoluene CAS 32768-54-0	290,000	Potential herbicide degradation product
21.07.2010	22.07.2010	L11	Dichloromethyl phenol	5,000	As for 2,4-Dichloro-o-cresol (I9, H7, K7 J10)
			2,4-Dichloro-o-cresol CAS 1570-65-6	10,000	As for I9, H7, K10, J10, L11
28.07.2010	02.08.2010	H10	Trichloro toluene isomers	58,000	Same as I9, J10
20.07.2010	02.00.2010	1110	Dichlorotoluene isomer	52,000	6 possible isomers, but very little data, usir surrogate.
			2-Chlorotoluene	39,000	Encountered and assessed during site
			Trichlorobenzene	350,000	investigation, not a priority contaminant
28.07.2010	02.08.2010	110	2,4-Dichloro-o-cresol CAS 1570-65-6	5,000	As for I9, H7, K10, J10, L11, H10
28.07.2010	02.06.2010	110	Trichloro toluene isomers	24,000	Same as I9, J10, H10
03.08.2010	04.08.2010	L12	2,4-Dichloro-o-cresol CAS 1570-65-6	7,000	As for I9, H7, K10, J10, L11, H10, I10
03.08.2010	04.08.2010	L13	No VOC/SVOC peaks detected		·
03.08.2010	04.08.2010	K12	2,4-Dichloro-o-cresol CAS 1570-65-6	7,000	As for I9, H7, K10, J10, L11, H10, I10, L12
03.08.2010	04.08.2010	K13 sand & gravel	Cyclo octaatomic sulphur	68,000	As for L8, L10 - Sulphur
05.08.2010	N/A	K13 chalk	2,4-Dichloro-o-cresol CAS 1570-65-6	650,000	As for I9, H7, K10, J10, L11, H10, I10, L K12
			Trichloro toluene isomers	1,140,000	Same as I9, J10, H10, I10
			1-(2-Chloroethoxy)-2-(o-Tolyloxy)- ethane CAS 21120- 80-9	140,000	Same as I9 and J10
			Dichlorotoluene isomer	99,000	Same as J10, H10
		1	2-Chlorotoluene	12,000	Encountered and assessed during s
		<u> </u>	<u> </u>		investigation, not a priority contaminant
05.08.2010	N/A	K11	2,4-Dichloro-o-cresol CAS 1570-65-6	22,000	As for I9, H7, K10, J10, L11, H10, I10, L12 K12, K13
00.00.2010					As for I9, H7, K10, J10, L11, H10, I10, L
	N/A	.111	2.4-Dichloro-o-cresol	220.000	IAS for 19, H7, K10, J10, L11, H10, 110, L
05.08.2010	N/A	J11	2,4-Dichloro-o-cresol CAS 1570-65-6	220,000	As for 19, H7, K10, J10, L11, H10, I10, L K12, 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 sit 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, L1 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	113	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	
			Benzo(b/k)Fluoranthene	200	
01.09.2010	N/A	114	Trichloro methyl benzene (trichloro toluene)	400	Same as I9, J10, H10, I10, K13, J11
01.09.2010	N/A	115	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	111	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	112	1-methylnaphthalene CAS 90-12-0	40,000	Same as K10NAPL, I13

ĺ	I I		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
21.00.2010	10/7	010		010	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	230	Same as I9, J10, H10, I10, K13, J11, I14,
			(trichloro toluene)		111
			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 I9, 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	3700000	2-ring hydrocarbon
5111012010			CAS 496-11-7		3 ,
	N/A		Ethyltoluene	4500000	As J14
			(ethyl methyl benzene) isomer		
			Bis methylpropyl phenol isomer	980000	As J16
			1,3,5-Trimethylbenzene	3900000	Encountered and assessed during site
			1,2,4-Trimethylbenzene	10000000	investigation, not a priority contaminant
			1,2,3-Trimethylbenzene	3100000	
22.10.2010	25.10.2010	G12	Nicotine	6400	Natural insecticide
(216017)	N/A	0.2	Dichloromethyl phenol	2900	As for I9, H7, K10, J10, L11, H10, I10, L12,
(2.0011)			2 ionioi cinica i yi prionoi	2000	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
					the standard validation suite
22.10.2010	N/A	G13	1-methylnaphthalene	170	Same as K10NAPL, I13, I12
(216017)			CAS 90-12-0		
. ,			Isophorone	530	Encountered and assessed during site
			CAS 78-59-1		investigation, not a priority contaminant
			Naphthalene	690	
			2-methylnaphthalene	270	
			Phenanthrene	410	
			Fluoranthene	380	
			Pyrene	310	
22.10.2010	N/A	G14	No VOC/SVOC peaks detected		
(216017)					
29.10.2010	N/A	H17	No VOC/SVOC peaks detected		
(216821)					
29.10.2010	N/A	G17	No VOC/SVOC peaks detected		
(216821)					
01.11.2010	30.11.2010	G10	Dibromochloromethane	300	Risk Assessment
(216817)			CAS 124-48-1		
			-		
	N/A		Dichloromethyl phenol	1300	As for I9, H7, K10, J10, L11, H10, I10, L12,
					K12, K13, J11, J12, I15, I11, H13, G12

			Isophorone	7100	Encountered and assessed during site
			Benzyl Chloride	200	investigation, not a priority contaminant
			(1-chloro-2-methylbenzene		
			CAS 95-49-8)		
			Methylpropyl phenol	7100	-
			3,3,5- trimethyl cyclohexanone	700	
01.11.2010 (216817)	N/A	G11	Dichloromethyl phenol	2300	As for I9, H7, K10, J10, L11, H10, I10, L12, K12, K13, J11, J12, I15, I11, H13, G12, G10
			Trichloro methyl benzene (trichloro toluene)	2400	Same as I9, J10, H10, I10, K13, J11, I14, I11, H13
			1-Methyl naphthalene	760	Same as K10NAPL, I13, I12, G13
			2-methyl phenol	800	Encountered and assessed during site
			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)	30.11.2010	015	Dimethyl naphthalene	59000	Risk Assessment
(210017)	N/A		Dichloromethyl phenol	2400	As for 19, 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)	000	7.5 014, 1112
			Ethyltoluene	300	-
			Isophorone	37000	Encountered and assessed during site
			Naphthalene	43000	investigation, not a priority contaminant
			Methylpropyl phenol	30000	investigation, not a priority containinant
			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	100	
08.11.2010 (217789)	N/A	M8	2-methyl phenol	11,000	Encountered and assessed during site investigation, not a priority contaminant
08.11.2010 (217793)	N/A	M6	No VOC/SVOC peaks detected		
08.11.2010 (217793)	N/A	N6	No VOC/SVOC peaks detected		
08.11.2010 (217795)	N/A	L5	No VOC/SVOC peaks detected		
08.11.2010 (217795)	N/A	M4	No VOC/SVOC peaks detected		

08.11.2010 (217797)	N/A	M5	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	N4	No VOC/SVOC peaks detected		
08.11.2010 (217797)	N/A	N5	No VOC/SVOC peaks detected		
08.11.2010 (217800)	N/A	M9	No VOC/SVOC peaks detected		
18.11.2010 (218834)	N/A	16	No VOC/SVOC peaks detected		
23.11.2010 (219458)	N/A	L4	No VOC/SVOC peaks detected		
23.11.2010 (219456)	N/A	N3	No VOC/SVOC peaks detected		
20.01.2011 (224432)	N/A	F11	No VOC/SVOC peaks detected		
20.01.2011 (224432)	N/A	F12	No VOC/SVOC peaks detected		
20.01.2011 (224432)	24.01.2011	F13	Total Petroleum Hydrocarbons (C8-C14)	16000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
20.01.2011 (224432)	24.01.2011	E12	Total Petroleum Hydrocarbons (C8-C14)	28000	Controlled Waters risk assessment required. Human Health risk assessment previously actioned
	N/A		1-Ethyl-2-Methylbenzene (o-ethyl toluene) CAS 611-14-3	300	As J14, H12, G15
			1,2,4-Trimethylbenzene	700	Encountered and assessed during site investigation, not a priority contaminant
20.01.2011	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- methylbenzene, CAS 620-14-4		investigation, not a priority contaminants
			p-ethyl toluene: 1-ethyl-4- methylbenzene, CAS 622-96-8		
	24.01.2011		Total Petroleum Hydrocarbons (C8-C13)	73000	Controlled Waters risk assessment required, Human Health risk assessment previously actioned
	N/A		2,6-bis(1-methylpropyl)-phenol	5000	As J16, H12
			DDT	3200	Encountered and assessed during site investigation, not a priority contaminant
			4-(1-methylpropyl)phenol	2700	
			2(1-methylpropyl)-phenol	12000	
			1,2,3-trimethylbenzene	600	
			1,3,5-trimethylbenzene	1700	
			1,2,4-trimethylbenzene	3000	
			p-Isopropyltoluene	400	