



APPENDIX H

Analytical Results Tables and QA/QC Data Assessment



1.0 DATA QUALITY ASSURANCE

1.1 General

A data quality assurance program was implemented as part of the assessment work. The main aspects of the data quality assurance relate to the collection of quality control samples and generation of internal laboratory quality control data to support the reported results and the assessment of laboratory results.

The field work for this investigation was carried out in general accordance with Golder Associates' Environmental Field Manual, conducted under the Golder Associates' Quality System which operates in accordance with AS/NZS ISO 9001:2000.

The quality of the laboratory data generated was supported with appropriate laboratory quality control samples and assessed using standard methods. Quality control samples consisting of internal spikes, duplicates and method blanks were analysed as part of the laboratory quality assurance/quality control (QA/QC) program.

The overall assessment of the quality assurance program for the soil, sediment and surface water sampling has been made in terms of completeness. The completeness is equal to the percentage of valid QA and QC results. It is considered that a completeness target of 95% is appropriate.

The quality assurance and quality control results for soil that meet the acceptance criteria include the following:

- All field primary (blind) duplicates to be analysed at a frequency of at least 5% of total samples by the primary laboratory. RPDs generated should be less than 50%.
- All field secondary (split) duplicates to be analysed at a frequency of at least 5% of total samples by the secondary laboratory. RPDs generated should be less than 50%.
- All primary laboratory internal duplicates should generate RPDs less than 30%.
- All primary laboratory spikes recoveries for most analytes should generally be within the range of 70% to 130% or as prescribed by the laboratory.
- All field and laboratory blanks below reporting limits.
- An overall completeness of greater than 95% to be achieved.

2.0 SOIL DATA QUALITY ASSURANCE

One primary and one secondary duplicate sample were collected during the investigation and a total of nineteen primary samples were analysed. In addition, one rinsate and three trip blanks were collected and analysed. The total frequency rate for each of the primary and secondary duplicates satisfies the minimum target collection rate of 5%. Duplicate testing was performed for a range of analytes consistent with the analytical program for the primary samples. The results of the primary and secondary duplicate soil testing are presented in Table H9.

The overall assessment of the Golder Associates quality assurance program for the soil sampling has been made in terms of completeness. **Table 1** below provides a summary of the program and data quality assessment.



Table 1: Overall Summary of Quality Assurance Program for Soil

QC Sample Type	No. of Results NOT Meeting Data Quality Objectives	Total Number of Results (individual analytes)	Percentage Meeting Data Quality Objectives (DQO)
Primary Duplicates	7	239	97.0
Secondary Duplicates	5	233	97.8
Internal Duplicates	3	2208	99.8
Internal Laboratory Spikes	14	1460	99.0
Method Blanks	0	1555	100
Overall Completeness	29	5695	99.4

Based on **Table 1**, we make the following comments:

- Of the 239 Primary field (blind) duplicate analytes, only 7 of the blind duplicates exceeded the RPD criteria of 50%, thereby resulting in compliance of 97.0% which is greater than the data quality objective of 95%.
- Of the 233 Secondary field (split) duplicate analytes, only 5 of the blind duplicates exceeded the RPD criteria of 50%, thereby resulting in compliance of 97.8% which is greater than the data quality objective of 95%.
- A review of the RPDs for the Internal Laboratory Duplicate analyses indicates that 3 of the tests conducted produced results above the desired 30% RPD conformance limit. This represents compliance of 99.8% which is greater than the data quality objective of 95% and provides a good level of confidence in the precision of the primary laboratory data.
- A review of the Internal Laboratory Spike results indicates that 14 analyses provided a recovery outside 70-130%. This represents compliance of 99% which is greater than the data quality objective of 95% and provides a good level of confidence in the accuracy of the primary laboratory data.

Whilst the laboratory QA/QC program for the whole program achieves a completeness of 99.4% which is greater than the target of 95%, individually all QC sample types also meet this criterion. Given this, it is concluded that the quality of the data generated by Golder Associates from the soil assessment is considered to be sufficient to support the conclusions related to the soil contamination status of the site.

2.1 Sediment Data Quality Assurance

One primary and one secondary duplicate sample were collected during the investigation and a total of ten primary sediment samples were analysed. In addition, one rinsate and two trip blanks were also collected and analysed. The total collection rate for each of primary and secondary duplicates satisfies the minimum target collection rate of 5%. Duplicate testing was performed for a range of analytes consistent with the analytical program for the primary samples. The results of the primary and secondary duplicate testing are presented in Tables H10, H12 and H14.

The overall assessment of the Golder Associates quality assurance program for the soil sampling has been made in terms of completeness. **Table 2** below provides a summary of the program and data quality assessment.



Table H2: Overall Summary of Quality Assurance Program for Sediment

QC Sample Type	No. of Results NOT Meeting Data Quality Objectives	Total Number of Results (individual analytes)	Percentage Meeting Data Quality Objectives (DQO)
Primary Field Duplicates	23	463	95.0
Secondary Field Duplicates	42	254	83.4
Internal Laboratory Duplicates	4	770	99.4
Internal Laboratory Spikes	3	425	99.2
Method Blanks	0	516	100.0
Overall Completeness	72	2428	97.0

Based on **Table 2**, the following comments are made:

- Of the 463 primary duplicate analytes, 23 returned an RPD greater than 50%, representing a conformance level of 95.0%. This meets the required data quality objective of 95%.
- Of the 231 secondary duplicate analytes, 42 returned RPDs greater than 50% representing a conformance level of 83.4%. This is below the data quality objective of 95%. The majority of non-conformances relate to concentrations of SVOC, PCDD, and PCDF with the remaining non-conformances relating to arsenic, cadmium, chromium, copper, nickel and zinc.

It is considered that the source of the non-conformances may be due to the heterogeneous nature of the sample and or variation in the limits of reporting (LOR) for the two laboratories and also to results being close to the LOR. Although, PCDD and PCDF TEQ results were frequently reported below the LOR due to the inherent difficulties in detecting PCDD/PCDFs in environmental matrices at low concentrations, this has not impacted on the overall quality or outcome of the project.

- A review of the RPDs for the Internal Laboratory Duplicate results indicates that 4 of the tests conducted produced results above the desired 30% RPD conformance limit. This represents compliance of 99.4% which is greater than the data quality objective of 95% and provides a good level of confidence in the precision of the primary laboratory data.
- A review of the Internal Laboratory Spike results indicates that 3 tests provided a recovery outside 70-130%. This represents compliance of 99.2% which is greater than the data quality objective of 95% and provides a good level of confidence in the accuracy of the primary laboratory data.

In summary the laboratory QA/QC program for the whole program achieves a completeness of 97.0% which is greater than the target of 95%. However, where non-conformances have been highlighted (in particular that of the secondary duplicates), the non-conformances have been discussed and justified. Based on this, it is considered that the overall data quality generated during the assessment of sediment by Golder Associates is of acceptable quality upon which to base decisions for this assessment.

2.2 Surface Water Data Quality Assurance

One primary and one secondary duplicate sample were collected during the investigation and a total of six primary samples were analysed. In addition, one trip blank was collected and analysed. The total collection rate satisfies the minimum target collection rate of 5%. Duplicate testing was performed for a range of analytes consistent with the analytical program for the primary samples. The results of the primary and secondary duplicate testing are presented in Tables H11 and H13.

The overall assessment of the Golder Associates quality assurance program for the groundwater sampling has been made in terms of completeness. **Table 3** below provides a summary of the program and data quality assessment.



APPENDIX H Data Quality Assessment

Table 3: Overall Summary of Quality Assurance Program for Surface Water

QC Sample Type	No. of Results NOT Meeting Data Quality Objectives	Total Number of Results (individual analytes)	Percentage Meeting Data Quality Objectives (DQO)
Primary Field Duplicates	4	245	98.3
Secondary Field Duplicates	15	232	93.5
Internal Laboratory Duplicates	0	253	100.0
Internal Matrix Spikes	2	245	99.1
Method Blanks	0	245	100.0
Overall Completeness	22	1223	98.2

Based on **Table 3**, we make the following comments:

- Of the 245 Primary field (blind) duplicate analytes, only 4 of the blind duplicates exceeded the RPD criteria of 50%, thereby resulting in compliance of 98.3% which is greater than data quality objective of 95%.
- Of the 232 Secondary field (split) duplicate analytes, only 17 of the blind duplicates exceeded the RPD criteria of 50%, thereby resulting in compliance of 92.7% %. This is below the data quality objective of 95%. The non-conformances mainly relate to concentrations of arsenic (filtered), nickel (filtered) and zinc (filtered), SVOC and VOC.

It is considered that the source of the non-conformances are due to the results being close to LOR. As such, the non-conformance is not considered to have influenced the remedial decision or the overall quality or outcome of the project.

- A review of the RPDs for the Internal Laboratory Duplicate analyses indicates that all of the tests conducted produced results below the desired 30% RPD conformance limit. This represents compliance of 100 % which is greater than the data quality objective of 95% and provides a good level of confidence in the accuracy of the primary laboratory data.
- A review of the Internal Laboratory Spike results indicates that 2 tests provided a recovery outside 70-130%. This represents compliance of 99.1% which is greater than the data quality objective of 95% and provides a good level of confidence in the accuracy of the primary laboratory data.

In summary, the laboratory QA/QC program for the whole program achieves a completeness of 98.2% which is greater than the target of 95%. However, where non-conformances have been highlighted (in particular that of the secondary duplicates), the non-conformances have been discussed and justified. Based on this, it is considered that the overall data quality generated during the assessment of surface water by Golder Associates is of acceptable quality upon which to base decisions for this assessment.

CFA Training College, Fiskville
Preliminary Site Assessment

Table H1 - Soil Results

						Phenolics					Phenolics-Halogenated					Phthalates					PCB			Sample Quality Parameter			Solvents					
						2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3- & 4-Methylphenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butylbenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	PCB (Sum of Total-Lab Reported)	pH (Lab)	Total Organic Carbon	Moisture	Methyl Ethyl Ketone	2-Hexanone	4-Methyl-2-pentanone	Isophorone	Vinyl acetate
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
LOR						0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	5000	1	5	5	5	0.5	5	
Ecological									2.6																							
Human Health - Industrial									3100	42500													50									
Location Code	Field ID	Depth	Sampled Date Time	SDG	SampleCode																											
A6PT1	A6PT1/2001	0.2-0.6	13/02/2012	EM1201497	EM1201497007	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		<5000	20.3	<5	<5	<5	<0.5	<5	
A6PT2	A6PT2/2002	0.9-1.2	13/02/2012	EM1201497	EM1201497004	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		<5000	16.4	<5	<5	<5	<0.5	<5	
A6PT3	A6PT3/2002	1.2-1.5	13/02/2012	EM1201497	EM1201497006	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	8.1	<5000	19.5	<5	<5	<5	<0.5	<5	
A6PT4	A6PT4/2001	0.0-0.5	13/02/2012	EM1201497	EM1201497001	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	5.8	21000	8.2	<5	<5	<5	<0.5	<5	
A6PT6	A6PT6/2002	1.2-1.5	13/02/2012	EM1201552	EM1201552002	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		<5000	17.4	<5	<5	<5	<0.5	<5	
A6PT8	A6PT8/2002	0.8-1.1	13/02/2012	EM1201552	EM1201552008	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		10000	21.4	<5	<5	<5	<0.5	<5	
A6PT10	A6PT10/2001	0.5-0.8	13/02/2012	EM1201552	EM1201552011	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		7000	23.4	<5	<5	<5	<0.5	<5	
A7PT1	A7PT1/2002	1.5-1.8	14/02/2012	EM1201575	EM1201575003	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	7.6	<5000	29.6	<5	<5	<5	<0.5	<5	
A7PT2	A7PT2/2001	0.5-0.8	14/02/2012	EM1201575	EM1201575003	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	6.6	<5000	26.2	<5	<5	<5	<0.5	<5	
A7PT4	A7PT4/2002	0.8-1.2	14/02/2012	EM1201575	EM1201575008	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	6.5	7000	16.2	<5	<5	<5	<0.5	<5	
A7PT5	A7PT5/2001	1.0-1.4	14/02/2012	EM1201575	EM1201575009	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	6.4	10000	19.4	<5	<5	<5	<0.5	<5	
A7PT6	A7PT6/2002	1.0-1.4	14/02/2012	EM1201575	EM1201575012	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	7.2	<5000	30	<5	<5	<5	<0.5	<5	
A8HA1	A8HA1/2001	0.3-0.5	10/02/2012	EM1201441	EM1201441003	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		6000	28.3	<5	<5	<5	<0.5	<5	
A8HA2	A8HA2/2001	0.5-1.1	15/02/2012	EM1201711	EM1201711001	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	6.9	22000	22.9	<5	<5	<5	<0.5	<5	
A8HA3	A8HA3/2001	0.3-0.5	10/02/2012	EM1201441	EM1201441004	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		14000	18	<5	<5	<5	<0.5	<5	
A8HA4	A8HA4/2001	0.6-0.9	15/02/2012	EM1201711	EM1201711002	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2		32000	19.2	<5	<5	<5	<0.5	<5	
A8HA5	A8HA5/2001	0.5-0.8	15/02/2012	EM1201711	EM1201711003	<0.5	<0.5	<0.5	4.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	6.5	27000	18.9	<5	<5	<5	<0.5	<5	
A9HA1	A9HA1/3001	not applicable	10/02/2012	EM1201441	EM1201441001	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		24000	16	<5	<5	<5	<0.5	<5	
A9HA1	A9HA1/3001	not applicable	10/02/2012	EM1201606	EM1201606001																											
A9HA2	A9HA2/3001	not applicable	10/02/2012	EM1201441	EM1201441002	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1		43000	19.3	<5	<5	<5	<0.5	<5	
A9HA2	A9HA2/3001	not applicable	10/02/2012	EM1201606	EM1201606002																											
Statistical Summary																																
Number of Results	19 19 19 19 19					19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	9	19	19	19	19	19	19	19		
Number of Detects	0 0 0 1 0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	12	19	0	0	0	0	0		
Minimum Concentration	<0.5 <0.5 <0.5 <1 <0.5					<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	5.8	<5000	8.2	<5	<5	<5	<0.5	<5			
Minimum Detect	ND ND ND 4.6 ND					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	6,000	8.2	ND	ND	ND	ND	ND		
Maximum Concentration	<0.5 <0.5 <0.5 4.6 <0.5					<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	8.1	43,000	30	<5	<5	<5	<0.5	<5			
Maximum Detect	ND ND ND 4.6 ND					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1	43,000	30	ND	ND	ND	ND	ND		
Average Concentration	0.25 0.25 0.25 0.72 0.25					0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	2.5	0.25	0.25	0.25	0.25	0.25	0.25	0.068	6.8	12,658	21	2.5	2.5	2.5	0.25	2.5			
Median Concentration	0.25 0.25 0.25 0.5 0.25					0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	2.5	0.25	0.25	0.25	0.25	0.25	0.25	0.05	6.6	7,000	19.4	2.5	2.5	2.5	0.25	2.5			
Standard Deviation	0 0 0 0.94 0					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.048	0.69	12,093	5.3	0	0	0	0	0		
Number of Guideline Exceedances	0 0 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		
Number of Guideline Exceedances (Detects Only)	0 0 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		

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is use
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is use
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined with Non-Detect Multiplier of 0.5.
 #5 ESDAT Combined.

XX = reported concentration exceeds Ecological criteria
 XX = reported concentration exceeds Human Health Criteria for Industrial land use
 nc = no criteria available



CFA Training College, Fiskville
Preliminary Site Assessment

Table H2 - Soil Results

PCDD & PCDF																	
1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	2,3,7,8-Tetrachloroanthrene	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	OCDF	Total TEQ
pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
																	4
																	18

CEQG 1997 – Soil Quality Guidelines - Industrial
US EPA Regional Screening Levels (Industrial), November 2011

Location Code	Field ID	Sampled Date Time	SDG	SampleCode															
A9HA1	A9HA1/3001	10/02/2012	EM1201606	EM1201606001	Concentration	<2.5	<2.5	<2.5	<2.5	11.7	821	<0.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5
					LOR	<2.5	<2.5	<2.5	<2.5	2.5	10.1	<0.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5
					WHO-TEF	<1	<0.1	<0.1	<0.1	0.01	0.0003	<0.1	<0.03	<0.3	<0.1	<1	<0.1	<0.1	<0.1
					WHO-TEQ ₂ (0.5 LOR)	<1.26	<0.13	<0.13	<0.13	0.12	0.25	<0.03	<0.04	<0.38	<0.13	<0.25	<0.13	<0.13	<0.01
																			3.22
A9HA2	A9HA2/3001	10/02/2012	EM1201606	EM1201606002	Concentration	<2.5	<2.5	<2.5	<2.5	22.5	1,350	<0.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5
					LOR	<2.5	<2.5	<2.5	<2.5	2.5	10	<0.5	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5
					WHO-TEF	<1	<0.1	<0.1	<0.1	0.01	0.0003	<0.1	<0.03	<0.3	<0.1	<1	<0.1	<0.1	<0.1
					WHO-TEQ ₂ (0.5 LOR)	<1.25	<0.13	<0.13	<0.13	0.23	0.41	<0.03	<0.04	<0.38	<0.13	<0.25	<0.13	<0.13	0.03
																			3.48

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Table H3 - Surface Water Results - Lake Fiskville

Parameter	Halogenated Benzenes																													
	n-Nitrosodiethylamine mg/L	N-Nitrosodi-n-butylamine mg/L	N-Nitrosodi-n-propylamine mg/L	n-Nitrosomethyl ethylamine mg/L	1-Naphthylamine mg/L	n-Nitrosodiphenylamine & Diphenylamine mg/L	2-Nitroaniline mg/L	3-Nitroaniline mg/L	4-Chloroaniline mg/L	4-Nitroaniline mg/L	2-methyl-5-nitroaniline mg/L	Aniline mg/L	Nitrobenzene mg/L	Pentachloronitrobenzene mg/L	1,3,5-Trinitrobenzene mg/L	2,4-Dinitrotoluene mg/L	2,6-Dinitrotoluene mg/L	Perchlorate mg/L	1,2,3-Trichlorobenzene mg/L	1,2,4-Trichlorobenzene mg/L	1,2-Dichlorobenzene mg/L	1,3-Dichlorobenzene mg/L	1,4-Dichlorobenzene mg/L	2-Chlorotoluene mg/L	4-Chlorotoluene mg/L	Bromobenzene mg/L	Chlorobenzene mg/L	Hexachlorobenzene mg/L	Pentachlorobenzene mg/L	
LOR	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.0002	0.0002	0.005	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.002
Ecological												0.25	0.55	0.03					0.01	0.17	0.16	0.26	0.06							
Human Health - Drinking Water/Aesthetic/Pesticides																														
Livestock Drinking Water (Trigger Values)																														
Aquaculture Species Protection																														
Irrigation Water Protection (Long-Term Trigger Values)																														

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		
SW1	SW1-1051/6001		8/02/2012	EM1201357	EM1201357001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002
SW2	SW2-1052/6002	Lake Fiskville	8/02/2012	EM1201357	EM1201357002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002

Statistical Summary	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Number of Results	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
Number of Detects	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
Minimum Concentration	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.0002	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.004	<0.0002	<0.005	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.0001	0.0025	0.001	0.001	0.001	0.001	0.001	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.001	
Median Concentration	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.0001	0.0025	0.001	0.001	0.001	0.001	0.001	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.001		
Standard Deviation	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	
Number of Guideline Exceedances	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	
Number of Guideline Exceedances (Detects Only)	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	

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used. Some Analytes are missing from this Combined Compound.
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined.

XX = reported concentration exceeds ecological criteria
 XX = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

		Organochlorine Pesticides																										
		a-BHC	Aldrin	Aldrin & Dieldrin (Sum of total)	β-BHC	cis-Chlordane	trans-Chlordane	d-BHC	DDD	DDE	DDT	DDT+DDE+DDD (Sum of total)	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC	Heptachlor	Heptachlor & heptachlor epoxide (Sum of total)	Heptachlor epoxide	Methoxychlor	Organochlorine Pesticides	Other Organochlorine Pesticides (WRG)		
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
LOR	Ecological	0.0005	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	
	Human Health - Drinking Water/Aesthetic/Pesticides			0.0003									0.0003								0.0002							
	Livestock Drinking Water (Trigger Values)		0.00001										0.000015	0.000005	0.000003	0.000003					0.000002							
	Aquaculture Species Protection																					0.000005						
	Irrigation Water Protection (Long-Term Trigger Values)																											
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	<0.0005	<0.0005	<0.001 ^{#2}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001 ^{#2}	<0.0005	<0.002	<0.013 ^{#1}	<0.009 ^{#1}
SW1	SW1-1051/6001	Lake Fiskville	8/02/2012	EM1201357	EM1201357001	<0.0005	<0.0005	<0.001 ^{#2}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001 ^{#2}	<0.0005	<0.002	<0.013 ^{#1}	<0.009 ^{#1}
SW2	SW2-1052/6002	Lake Fiskville	8/02/2012	EM1201357	EM1201357002	<0.0005	<0.0005	<0.001 ^{#2}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001 ^{#2}	<0.0005	<0.002	<0.013 ^{#1}	<0.009 ^{#1}

Statistical Summary		a-BHC	Aldrin	Aldrin & Dieldrin (Sum of total)	β-BHC	cis-Chlordane	trans-Chlordane	d-BHC	DDD	DDE	DDT	DDT+DDE+DDD (Sum of total)	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC	Heptachlor	Heptachlor & heptachlor epoxide (Sum of total)	Heptachlor epoxide	Methoxychlor	Organochlorine Pesticides	Other Organochlorine Pesticides (WRG)			
Number of Results		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		
Number of Detects		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		
Minimum Concentration		<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.002	<0.013	<0.009
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Maximum Concentration		<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.002	<0.013	<0.009
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Average Concentration		0.00025	0.00025	0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0005	0.00025	0.001	0.0065	0.0045	
Median Concentration		0.00025	0.00025	0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0005	0.00025	0.001	0.0065	0.0045	
Standard Deviation		0.00025	0.00025	0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0005	0.00025	0.001	0.0065	0.0045	
Number of Guideline Exceedances		0	2	2	0	0	0	0	0	0	2	2	2	2	2	0	2	0	0	2	2	2	0	2	0	2	0	0	
Number of Guideline Exceedances (Detects Only)		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	

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used. Som
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined.

XX = reported concentration exceeds ecological criteria
 XX = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

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 Table H3 - Surface Water Results - Lake Fiskville

		Organophosphorous Pesticides																	
		Azinphos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenitrothion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Phosphor-ethyl	Prothiotos
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Ecological		0.00002				0.00001		0.00001		0.00015				0.00005			0.000004		
Human Health - Drinking Water/Aesthetic/Pesticides		0.003	0.01	0.0005	0.005	0.01		0.001	0.001	0.05	0.003	0.0003			0.1	0.001	0.01	0.0005	
Livestock Drinking Water (Trigger Values)														0.0001					
Aquaculture Species Protection																			
Irrigation Water Protection (Long-Term Trigger Values)																			
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode														
SW1	SW1-1051/6001		8/02/2012	EM1201357	EM1201357001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005
SW2	SW2-1052/6002	Lake Fiskville	8/02/2012	EM1201357	EM1201357002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005

Statistical Summary		Azinphos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenitrothion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Phosphor-ethyl	Prothiotos
Number of Results		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Number of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.002	<0.002	<0.0005	<0.0005
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration																			
Median Concentration		0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.001	0.001	0.001	0.00025	0.00025
Standard Deviation																			
Number of Guideline Exceedances		2	0	0	0	2	0	2	0	2	0	2	0	2	0	2	2	0	0
Number of Guideline Exceedances (Detects Only)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used. Som
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined.

XX = reported concentration exceeds ecological criteria
 XX = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

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Table H3 - Surface Water Results - Lake Fiskville

	PFOS/PFOA			PAH																PAH-Others				
	6:2 Fluorotelomer Sulfonate (6:2 FTS) mg/L	Perfluorooctanoate mg/L	PFOS mg/L	Acenaphthene mg/L	Acenaphthylene mg/L	Anthracene mg/L	Benzo(a)anthracene mg/L	Benzo(a)pyrene mg/L	Benzo(b)fluoranthene mg/L	Benzo(g,h,i)perylene mg/L	Chrysene mg/L	Dibenz(a,h)anthracene mg/L	Fluoranthene mg/L	Fluorene mg/L	Indeno(1,2,3-c,d)pyrene mg/L	Naphthalene mg/L	Phenanthrene mg/L	Pyrene mg/L	PAH (Sum of Common 16 PAHs - Lab Reported) mg/L	2-Chloronaphthalene mg/L	2-Methylnaphthalene mg/L	3-Methylcholanthrene mg/L	7,12-Dimethylbenzo(a)anthracene mg/L	
LOR	0.0001	0.00002	0.00002	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Ecological		0.93	0.93					50							0.016				3					
Human Health - Drinking Water/Aesthetic/Pesticides		0.0004	0.0002					0.00001																
Livestock Drinking Water (Trigger Values)																								
Aquaculture Species Protection																								
Irrigation Water Protection (Long-Term Trigger Values)																								

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	6:2 FTS	Perfluorooctanoate	PFOS	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenzo(a)anthracene	
SW1	SW1-1051/6001	Lake Fiskville	8/02/2012	EM1201357	EM1201357001	0.0246	0.00135	0.0272	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
SW2	SW2-1052/6002	Lake Fiskville	8/02/2012	EM1201357	EM1201357002	0.0236	0.00146	0.035	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Statistical Summary		6:2 FTS	Perfluorooctanoate	PFOS	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenzo(a)anthracene	
Number of Results		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Number of Detects		2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		0.0236	0.00135	0.0272	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Minimum Detect		0.0236	0.00135	0.0272	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration		0.0246	0.00146	0.035	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Maximum Detect		0.0246	0.00146	0.035	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration																									
Median Concentration		0.0241	0.001405	0.0311	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0025	0.001	0.001	0.001	0.001	
Standard Deviation																									
Number of Guideline Exceedances		0	2	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances (Detects Only)		0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used. Som
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined.

XX = reported concentration exceeds ecological criteria
 XX = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

CFA Training College, Fiskville
 Preliminary Site Investigation
 Table H3 - Surface Water Results - Lake Fiskville

	Pesticides-Others			Phenolics					Phenolics-Halogenated							Phthalates					PCB	Solvents					
	Carbazole mg/L	Chlorobenzilate mg/L	Demeton-s-methyl mg/L	2,4-Dimethylphenol mg/L	2-Methylphenol mg/L	2-Nitrophenol mg/L	3- & 4- Methylphenol mg/L	Phenol mg/L	2,4,5-Trichlorophenol mg/L	2,4,6-Trichlorophenol mg/L	2,4-Dichlorophenol mg/L	2,6-Dichlorophenol mg/L	2-Chlorophenol mg/L	4-Chloro-3-methylphenol mg/L	Pentachlorophenol mg/L	Bis(2-ethylhexyl) phthalate mg/L	Butylbenzyl phthalate mg/L	Diethyl phthalate mg/L	Dimethyl phthalate mg/L	Di-n-butyl phthalate mg/L	Di-n-octyl phthalate mg/L	PCB (Sum of Total Lab Reportable) mg/L	Methyl Ethyl Ketone mg/L	2-Hexanone mg/L	4-Methyl-2-pentanone mg/L	Isophorone mg/L	Vinyl acetate mg/L
LOR	0.002	0.002	0.0005	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.005	0.002	0.002	0.002	0.002	0.002	0.001	0.05	0.05	0.05	0.002	0.05
Ecological							0.32		0.02	0.16		0.49		0.01	0.01		1	3.7	0.026								
Human Health - Drinking Water/Aesthetic/Pesticides							0.002		0.002	0.2		0.3		0.01													
Livestock Drinking Water (Trigger Values)																											
Aquaculture Species Protection																											
Irrigation Water Protection (Long-Term Trigger Values)																											

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	Carbazole	Chlorobenzilate	Demeton-s-methyl	2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3- & 4- Methylphenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butylbenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	PCB	Methyl Ethyl Ketone	2-Hexanone	4-Methyl-2-pentanone	Isophorone	Vinyl acetate
SW1	SW1-1051/6001	Lake Fiskville	8/02/2012	EM1201357	EM1201357001	<0.002	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05
SW2	SW2-1052/6002	Lake Fiskville	8/02/2012	EM1201357	EM1201357002	<0.002	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05

Statistical Summary																																				
Number of Results	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	
Number of Detects	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
Minimum Concentration	<0.002	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.05		
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.002	<0.002	<0.0005	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05	<0.002	<0.05			
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration																																				
Median Concentration	0.001	0.001	0.00025	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	5E-04	0.025	0.025	0.025	0.001	0.025	0.025			
Standard Deviation																																				
Number of Guideline Exceedances	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	
Number of Guideline Exceedances (Detects Only)	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	

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used. Som
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined.

XX = reported concentration exceeds ecological criteria
 XX = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

CFA Training College, Fiskville
Preliminary Site Investigation

Table H3 - Surface Water Results - Lake Fiskville

	Total Petroleum Hydrocarbons													SVOCs																					
	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total) (Calculated)	TPH+C10 - C36 (Sum of total) (Lab Reported)	TPH+C10 - C40 (Sum of total) (Lab Reported)	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C16 - C34 Fraction	>C34 - C40 Fraction	2-(Acetyl)amino) fluorone	2-Picoline	3,3-Dichlorobenzidine	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline-n-oxide	Acetophenone	Azobenzene	Bis(C-chloroethoxy) methane	Bis(C-chloroisopropyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Methapyrene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin			
LOR	0.02	0.05	0.1	0.05									0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.002	0.002	0.002	0.004	0.002		
Ecological																																			
Human Health - Drinking Water/Aesthetic/Pesticides	15																																		
Livestock Drinking Water (Trigger Values)																																			
Aquaculture Species Protection																																			
Irrigation Water Protection (Long-Term Trigger Values)																																			

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total) (Calculated)	TPH+C10 - C36 (Sum of total) (Lab Reported)	TPH+C10 - C40 (Sum of total) (Lab Reported)	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C16 - C34 Fraction	>C34 - C40 Fraction	2-(Acetyl)amino) fluorone	2-Picoline	3,3-Dichlorobenzidine	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline-n-oxide	Acetophenone	Azobenzene	Bis(C-chloroethoxy) methane	Bis(C-chloroisopropyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Methapyrene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin		
SW1	SW1-1051/6001	Lake Fiskville	8/02/2012	EM1201357	EM1201357001	<0.02	<0.05	<0.1	<0.05	<0.2 nd	<0.05	0.13	<0.02	<0.02	<0.1	0.13	<0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
SW2	SW2-1052/6002	Lake Fiskville	8/02/2012	EM1201357	EM1201357002	<0.02	<0.05	<0.1	<0.07	<0.22 nd	<0.05	<0.1	<0.02	<0.02	<0.1	<0.14	<0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Statistical Summary																																						
Number of Results	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	
Number of Detects	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration	<0.02	<0.05	<0.1	<0.05	<0.2	<0.05	<0.1	<0.02	<0.02	<0.1	0.13	<0.1	<0.02	<0.02	<0.1	0.13	<0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Minimum Detect	ND	ND	ND	ND	ND	ND	0.13	ND	ND	ND	0.13	ND	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.02	<0.05	<0.1	<0.07	<0.22	<0.05	0.13	<0.02	<0.02	<0.1	<0.14	<0.1	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Maximum Detect	ND	ND	ND	ND	ND	ND	0.13	ND	ND	ND	0.13	ND	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration	0.01	0.025	0.05	0.03	0.105	0.025	0.09	0.01	0.01	0.05	0.1	0.05	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	
Standard Deviation	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	0
Number of Guideline Exceedances	0	0	0	0	0	0	0	0	0	0	2	2	2	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
Number of Guideline Exceedances (Detects Only)	0	0	0	0	0	0	0	0	0	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

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used. Som
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined.

XX = reported concentration exceeds ecological criteria
 XX = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

Table H4 - Surface Water Results - Dams 1-4

Organochlorine Pesticides

	p-BHC	Aldrin	Aldrin & Dieldrin (Sum of total)	p-BHC	cis-Chlordane	trans-Chlordane	p-BHC	DDD	DDE	DDT	DDT, DDE, DDD (Sum of total)	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	p-BHC	Heptachlor	Heptachlor & heptachlor epoxide (Sum of total)	Heptachlor epoxide	Methoxychlor	Organochlorine Pesticides	Other Organochlorine Pesticides (WRC)
LOR	0.0005	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.002	0.0005
Human Health - Drinking Water/Aesthetic/Pesticides			0.0003							0.02		0.0003							0.02		0.0003		0.3		

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	p-BHC	Aldrin	Aldrin & Dieldrin (Sum of total)	p-BHC	cis-Chlordane	trans-Chlordane	p-BHC	DDD	DDE	DDT	DDT, DDE, DDD (Sum of total)	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	p-BHC	Heptachlor	Heptachlor & heptachlor epoxide (Sum of total)	Heptachlor epoxide	Methoxychlor	Organochlorine Pesticides	Other Organochlorine Pesticides (WRC)	
SW3	SW3-1043/6003	Dam 4	8/02/2012	EM1201357	EM1201357003	<0.0005	<0.0005	<0.001 ^{#3}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.003 ^{#3}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001 ^{#3}	<0.0005	<0.002	<0.013 ^{#2}	<0.009 ^{#2}
SW4	SW4-1034/6004	Dam 3	8/02/2012	EM1201357	EM1201357004	<0.0005	<0.0005	<0.001 ^{#3}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.003 ^{#3}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001 ^{#3}	<0.0005	<0.002	<0.013 ^{#2}	<0.009 ^{#2}
SW5	SW5-1025/6005	Dam 2	8/02/2012	EM1201357	EM1201357005	<0.0025	<0.0025	<0.005 ^{#3}	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.01	<0.015 ^{#3}	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.005 ^{#3}	<0.0025	<0.01	<0.065 ^{#2}	<0.045 ^{#2}
SW6	SW6-1016/6006	Dam 1	8/02/2012	EM1201357	EM1201357006	<0.0005	<0.0005	<0.001 ^{#3}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.003 ^{#3}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001 ^{#3}	<0.0005	<0.002	<0.013 ^{#2}	<0.009 ^{#2}

Statistical Summary	p-BHC	Aldrin	Aldrin & Dieldrin (Sum of total)	p-BHC	cis-Chlordane	trans-Chlordane	p-BHC	DDD	DDE	DDT	DDT, DDE, DDD (Sum of total)	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	p-BHC	Heptachlor	Heptachlor & heptachlor epoxide (Sum of total)	Heptachlor epoxide	Methoxychlor	Organochlorine Pesticides	Other Organochlorine Pesticides (WRC)						
Number of Results	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
Number of Detects	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					
Minimum Concentration	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.002	<0.013	<0.009	
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.0025	<0.0025	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.01	<0.015	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.005	<0.0025	<0.01	<0.065	<0.045	
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration	0.0005	0.0005	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.002	0.003	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.0005	0.002	0.013	0.009	
Median Concentration	0.00025	0.00025	0.0005	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.001	0.0015	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.0005	0.00025	0.001	0.0065	0.0045	
Standard Deviation	0.0005	0.0005	0.001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.002	0.003	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.0005	0.002	0.013	0.009	
Number of Guideline Exceedances	0	0	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	
Number of Guideline Exceedances (Detects Only)	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	

Comments
 #1 ESDAT Combined with Non-Detect Multiplier of 0.5. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #4 ESDAT Combined. Some analytes are missing from this Combined Compound.
 #5 ESDAT Combined with Non-Detect Multiplier of 0.5.
 #6 ESDAT Combined.

xx = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

Table H4 - Surface Water Results - Dams 1-4

		Organophosphorous Pesticides																		PFOS/PFOA		
		Azinphos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenitrothion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Pirimphos-ethyl	Prothiofos	6:2 Fluorotelomer Sulfonate (6:2 FS)	Perfluorooctanoate	PFOS
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.00002	0.00002
Human Health - Drinking Water/Aesthetic/Pesticides		0.003	0.01	0.0005	0.005	0.01		0.001	0.001	0.05	0.003	0.0003			0.1	0.001	0.01	0.0005		0.0004	0.0002	
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.214	0.0082	0.115
SW3	SW3-1043/6003	Dam 4	8/02/2012	EM1201357	EM1201357003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.222	0.00888	0.153
SW4	SW4-1034/6004	Dam 3	8/02/2012	EM1201357	EM1201357004	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.274	0.0132	0.202
SW5	SW5-1025/6005	Dam 2	8/02/2012	EM1201357	EM1201357005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.192	0.0113	0.122
SW6	SW6-1016/6006	Dam 1	8/02/2012	EM1201357	EM1201357006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.192	0.0113	0.122
Statistical Summary		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Number of Results		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4
Number of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4
Minimum Concentration		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.192	0.0082	0.115
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.192	0.0082	0.115
Maximum Concentration		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	0.274	0.0132	0.202
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.274	0.0132	0.202
Average Concentration		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.23	0.01	0.15
Median Concentration		0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.218	0.01009	0.1375
Standard Deviation		0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.035	0.0023	0.04
Number of Guideline Exceedances		0	0	1	0	0	0	1	1	0	4	0	0	0	0	0	0	0	0	0	4	4
Number of Guideline Exceedances (Detects Only)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4

Comments
 #1 ESDAT Combined with Non-Detect Multiplier of 0.5. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #4 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #5 ESDAT Combined with Non-Detect Multiplier of 0.5.
 #6 ESDAT Combined.

xx = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

Table H4 - Surface Water Results - Dams 1-4

LOR	PAH																PAH-Others				Pesticides-Others			Phenolics					
	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)k(fluoranthene)	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole	Chlorobenzilate	Demeton-s-methyl	2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3,4,5-Tri-Methylphenol	Phenol	
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Human Health - Drinking Water/Aesthetic/Pesticides				0.00001																			0.002						

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)k(fluoranthene)	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole	Chlorobenzilate	Demeton-s-methyl	2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3,4,5-Tri-Methylphenol	Phenol	
SW3	SW3-1043/6003	Dam 4	8/02/2012	EM1201357	EM1201357003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
SW4	SW4-1034/6004	Dam 3	8/02/2012	EM1201357	EM1201357004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
SW5	SW5-1025/6005	Dam 2	8/02/2012	EM1201357	EM1201357005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.01	<0.01	<0.024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0025	<0.01	<0.01	<0.01	<0.02	<0.01	
SW6	SW6-1016/6006	Dam 1	8/02/2012	EM1201357	EM1201357006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Statistical Summary																																				
Number of Results	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Number of Detects	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	
Minimum Concentration	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.01	<0.01	<0.024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.0025	<0.01	<0.01	<0.01	<0.02	<0.01			
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Average Concentration	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.0014	0.002	0.002	0.0049	0.002	0.002	0.002	0.002	0.002	0.002	0.0005	0.002	0.002	0.002	0.004	0.002			
Median Concentration	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0025	0.001	0.001	0.001	0.001	0.001	0.001	0.00025	0.001	0.001	0.001	0.002	0.001			
Standard Deviation	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.00075	0.002	0.002	0.0048	0.002	0.002	0.002	0.002	0.002	0.002	0.0005	0.002	0.002	0.002	0.004	0.002			
Number of Guideline Exceedances	0	0	0	0	4	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	1			
Number of Guideline Exceedances (Detects Only)	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				

Comments
 #1 ESDAT Combined with Non-Detect Multiplier of 0.5. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #4 ESDAT Combined. Some analytes are missing from this Combined Compound.
 #5 ESDAT Combined with Non-Detect Multiplier of 0.5.
 #6 ESDAT Combined.

xx = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

CFA Training College, Fiskville
Preliminary Site Investigation

Table H4 - Surface Water Results - Dams 1-4

	Phenolics-Halogenated								Phthalates						Polychlorinated Biphenyls	Solvents				
	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butylbenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	PCB (Sum of Total-Lab Reported)	Methyl Ethyl Ketone	2-Hexanone	4-Methyl-2-pentanone	Isophorone	Vinyl acetate	
LOR	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.005	0.002	0.002	0.002	0.002	0.002	0.001	0.05	0.05	0.05	0.002	0.05	
Human Health - Drinking Water/Aesthetic/Pesticides	0.002	0.2		0.3			0.01	0.01												

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butylbenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	PCB (Sum of Total-Lab Reported)	Methyl Ethyl Ketone	2-Hexanone	4-Methyl-2-pentanone	Isophorone	Vinyl acetate
SW3	SW3-1043/6003	Dam 4	8/02/2012	EM1201357	EM1201357003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05
SW4	SW4-1034/6004	Dam 3	8/02/2012	EM1201357	EM1201357004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05
SW5	SW5-1025/6005	Dam 2	8/02/2012	EM1201357	EM1201357005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.05	<0.05	<0.05	<0.01	<0.05
SW6	SW6-1016/6006	Dam 1	8/02/2012	EM1201357	EM1201357006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05

Statistical Summary																									
Number of Results	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Number of Detects	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
Minimum Concentration	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.001	<0.05	<0.05	<0.05	<0.002	<0.05	<0.05	<0.05	<0.05	<0.002	<0.05	
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Maximum Concentration	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	<0.05	<0.05	<0.05	<0.01	<0.05	<0.05	<0.05	<0.05	<0.01	<0.05	
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Average Concentration	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.01	0.002	0.002	0.002	0.002	0.002	0.001	0.025	0.025	0.025	0.002	0.025	0.025	0.025	0.025	0.001	0.025	
Median Concentration	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.005	0.001	0.001	0.001	0.001	0.001	0.0005	0.025	0.025	0.025	0.001	0.025	0.025	0.025	0.025	0.001	0.025	
Standard Deviation	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.01	0.002	0.002	0.002	0.002	0.002	0.001	0	0	0	0.002	0	0	0	0	0.002	0	
Number of Guideline Exceedances	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Number of Guideline Exceedances (Detects Only)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Comments
 #1 ESDAT Combined with Non-Detect Multiplier of 0.5. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used. Som
 #3 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #4 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #5 ESDAT Combined with Non-Detect Multiplier of 0.5.
 #6 ESDAT Combined.

xx = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

CFA Training College, Fiskville
 Preliminary Site Investigation
 Table H4 - Surface Water Results - Dams 1-4

LOR	SVOCs																		Total Petroleum Hydrocarbons																		
	2-(Acetylamino) fluorene	2-Picoline	3,3-Dichlorobenzidine	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline-n-oxide	Acetophenone	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Methapyrene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin	TPH C6 - C9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total) (Calculated)	TPH+C10 - C36 (Sum of total) (Lab Reported)	TPH+C10 - C40 (Sum of total) (Lab Reported)	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C16 - C34 Fraction	>C34 - C40 Fraction					
0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.02	0.05	0.1	0.05	0.05	0.1	0.02	0.02	0.1	0.1	0.1	0.1					
Human Health - Drinking Water/Aesthetic/Pesticides																					15										0.09 0.09 0.09						

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	2-(Acetylamino) fluorene	2-Picoline	3,3-Dichlorobenzidine	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline-n-oxide	Acetophenone	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Methapyrene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin	TPH C6 - C9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total) (Calculated)	TPH+C10 - C36 (Sum of total) (Lab Reported)	TPH+C10 - C40 (Sum of total) (Lab Reported)	C6 - C10 Fraction	C6 - C10 Fraction minus BTEX (F1)	>C10 - C16 Fraction	>C16 - C34 Fraction	>C34 - C40 Fraction
SW3	SW3-1043/6003	Dam 4	8/02/2012	EM1201357	EM1201357003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.02	<0.05	<0.1	<0.06	<0.21 ^{#6}	<0.05	<0.1	<0.02	<0.02	<0.1	<0.13	<0.1
SW4	SW4-1034/6004	Dam 3	8/02/2012	EM1201357	EM1201357004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.02	<0.05	0.29	<0.08	0.355 ^{#5}	0.29	0.32	<0.02	<0.02	<0.1	0.32	<0.1
SW5	SW5-1025/6005	Dam 2	8/02/2012	EM1201357	EM1201357005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	1.19	0.33	1.545 ^{#5}	1.52	1.62	<0.02	<0.02	0.11	1.36	0.15
SW6	SW6-1016/6006	Dam 1	8/02/2012	EM1201357	EM1201357006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	0.03	0.16	2.1	0.26	2.52 ^{#5}	2.52	2.58	0.04	0.04	0.47	2	0.11

Statistical Summary																																							
Number of Results	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Number of Detects	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	1	1	3	2	3	3	3	1	1	2	3	2	
Minimum Concentration	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<0.02	<0.05	<0.1	<0.06	<0.21	<0.05	<0.1	<0.02	<0.02	<0.1	<0.13	<0.1			
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	0.16	0.29	0.26	0.355	0.29	0.32	0.04	0.04	0.11	0.32	0.11		
Maximum Concentration	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	0.03	0.16	2.1	0.33	2.52	2.52	2.58	0.04	0.04	0.47	2	0.15			
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	0.16	2.1	0.33	2.52	2.52	2.58	0.04	0.04	0.47	2	0.15			
Average Concentration	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.002	0.002	0.004	0.002	0.015	0.059	0.91	0.17	1.1	1.1	1.1	0.018	0.018	0.17	0.94	0.09			
Median Concentration	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.001	0.002	0.001	0.01	0.025	0.74	0.15	0.95	0.905	0.97	0.01	0.01	0.08	0.84	0.08			
Standard Deviation	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.01	0.002	0.002	0.002	0.004	0.002	0.01	0.068	0.93	0.15	1.1	1.2	1.2	0.015	0.015	0.2	0.9	0.049				
Number of Guideline Exceedances	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	4	4	4		
Number of Guideline Exceedances (Detects Only)	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	3	2			

Comments
 #1 ESDAT Combined with Non-Detect Multiplier of 0.5. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #3 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #4 ESDAT Combined. Some analytes are missing from this Combined Compound.
 #5 ESDAT Combined with Non-Detect Multiplier of 0.5.
 #6 ESDAT Combined.

xx = reported concentration exceeds Human Health Criteria for Drinking Water/Aesthetic/Pesticides

Table H5 - Sediment Results - Lake Fiskville

						Organochlorine Pesticides																																
						γ-BHC	Aldrin	Aldrin & Dieldrin (Sum of total)	β-BHC	Chlordane (Sum of total)	cis-Chlordane	trans-Chlordane	γ-BHC	DDD	DDE	DDT	DDT+DDE+DDD (Sum of total)	Dieldrin	Endosulfan	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC	Heptachlor	Heptachlor & heptachlor epoxide (Sum of total)	Heptachlor epoxide	Methoxychlor	Organochlorine Pesticides	Other Organochlorine Pesticides (WRG)	Oxychloridane					
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg					
LOR						0.0005	0.0005		0.0005	0.00025	0.00025	0.00025	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005				
Ecological (ISQG High)										0.006				0.02	0.027	0.046		0.008								0.001												
Ecological (ISQG Low (Trigger Value))										0.0005				0.002	0.0022	0.0016		0.00002								0.00002												
Human Health - Industrial								50		250							1000											50										
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	γ-BHC	Aldrin	Aldrin & Dieldrin (Sum of total)	β-BHC	Chlordane (Sum of total)	cis-Chlordane	trans-Chlordane	γ-BHC	DDD	DDE	DDT	DDT+DDE+DDD (Sum of total)	Dieldrin	Endosulfan	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC	Heptachlor	Heptachlor & heptachlor epoxide (Sum of total)	Heptachlor epoxide	Methoxychlor	Organochlorine Pesticides	Other Organochlorine Pesticides (WRG)	Oxychloridane					
SD1	SD1-1051/8001		8/02/2012	EM1201358	EM1201358001	<0.0005	<0.0005	<0.001 ^{#1}	<0.0005	<0.00031	<0.00031	<0.00031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 ^{#1}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00031	<0.0005	<0.001 ^{#1}	<0.0005	<0.0005	<0.01024 ^{#1}	<0.00774 ^{#1}	<0.0005				
SD1	SD1-1051/8001	Lake Fiskville	8/02/2012	EM1201358	EM1201358013	<0.0005	<0.0005	<0.001 ^{#1}	<0.0005	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 ^{#1}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00025	<0.0005	<0.001 ^{#1}	<0.0005	<0.0005	<0.01024 ^{#1}	<0.00774 ^{#1}	<0.0005				
SD2	SD2-1052/8002		8/02/2012	EM1201358	EM1201358002	<0.0005	<0.0005	<0.001 ^{#1}	<0.0005	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 ^{#1}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00025	<0.0005	<0.001 ^{#1}	<0.0005	<0.0005	<0.01024 ^{#1}	<0.00774 ^{#1}	<0.0005				
SD2	SD2-1052/8002	Lake Fiskville	8/02/2012	EM1201358	EM1201358014	<0.0005	<0.0005	<0.001 ^{#1}	<0.0005	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 ^{#1}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00025	<0.0005	<0.001 ^{#1}	<0.0005	<0.0005	<0.01024 ^{#1}	<0.00774 ^{#1}	<0.0005				
Statistical Summary																																						
Number of Results						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		
Number of Detects						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	
Minimum Concentration						<0.0005	<0.0005	<0.001	<0.0005	<0.00025	<0.00025	<0.00025	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 ^{#1}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00025	<0.0005	<0.001	<0.0005	<0.0005	<0.01	<0.0075	<0.0005		
Minimum Detect						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration						<0.0005	<0.0005	<0.001	<0.0005	<0.00031	<0.00031	<0.00031	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 ^{#1}	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00031	<0.0005	<0.001	<0.0005	<0.0005	<0.01024	<0.00774	<0.0005		
Maximum Detect						ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration						0.00025	0.00025	0.0005	0.00025	0.00014	0.00014	0.00014	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00025	0.00014	0.00025	0.0005	0.00025	0.00025	0.00506	0.00381	0.00025	
Standard Deviation																																						
Number of Guideline Exceedances						0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Number of Guideline Exceedances (Detects Only)						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

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #3 ESDAT Combined with Non-Detect Multiplier of 0.5.

XX = reported concentration exceeds Ecological criteria (high)
XX = reported concentration exceeds Ecological criteria (low)
XX = reported concentration exceeds Human Health Criteria for Industrial land use

Organophosphorous Pesticides

	Azinphos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorfenvinphos E	Chlorpyrifos	Chlorpyrifos-methyl	cis-Chlorfenvinphos	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenitrothion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Prinphos-ethyl	Prothiofos
mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
0.01	0.01	0.01	0.5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

[Ecological \(ISQG High\)](#)
[Ecological \(ISQG Low \(Trigger Value\)\)](#)
[Human Health - Industrial](#)

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	Azinphos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorfenvinphos E	Chlorpyrifos	Chlorpyrifos-methyl	cis-Chlorfenvinphos	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenitrothion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Prinphos-ethyl	Prothiofos
SD1	SD1 - 1051/8001		8/02/2012	EM1201358	EM1201358001	<0.016	<0.016	<0.016	<2.5	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
SD1	SD1 - 1051/8001		8/02/2012	EM1201358	EM1201358013																				
SD1	SD1-1051/8001	Lake Fiskville	8/02/2012	EM1201412	EM1201412001																				
SD2	SD2 - 1052/8002		8/02/2012	EM1201358	EM1201358002	<0.012	<0.012	<0.012	<0.5	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
SD2	SD2 - 1052/8002		8/02/2012	EM1201358	EM1201358014																				

Statistical Summary		Azinphos-methyl	Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorfenvinphos E	Chlorpyrifos	Chlorpyrifos-methyl	cis-Chlorfenvinphos	Diazinon	Dichlorvos	Dimethoate	Ethion	Fenamiphos	Fenitrothion	Malathion	Parathion-methyl	Monocrotophos	Parathion	Prinphos-ethyl	Prothiofos
Number of Results		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Number of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimum Concentration		<0.012	<0.012	<0.012	<0.5	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration		<0.016	<0.016	<0.016	<2.5	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration																					
Median Concentration		0.007	0.007	0.007	0.75	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Standard Deviation																					
Number of Guideline Exceedances		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances (Detects Only)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #3 ESDAT Combined with Non-Detect Multiplier of 0.5.

XX = reported concentration exceeds Ecological criteria (high)
XX = reported concentration exceeds Ecological criteria (low)
XX = reported concentration exceeds Human Health Criteria for Industrial land use

CFA Training College, Fiskville
Preliminary Site Investigation

Table H5 - Sediment Results - Lake Fiskville

	PFOS/PFOA			PAH																PAH-Others				Pesticides-Others				
	6:2 Fluorotelomer Sulfonate (6:2 FS)	Perfluorooctanoate	PFOS	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)k(f)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indene(1,2,3-c)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole	Chlorobenzilate	Demeton-s-methyl		
LR	0.005	0.0005	0.0005	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.01	
Ecological (ISQG High)				0.5	0.64	1.1	1.6	1.6			2.8	0.26	5.1	0.54		2.1	1.5	2.6	45									
Ecological (ISQG Low (Trigger Value))				0.016	0.044	0.085	0.261	0.43			0.384	0.063	0.6	0.019		0.16	0.24	0.665	4									
Human Health - Industrial	2.1	2.1					5					22000						17000	100									
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode																							
SD1	SD1 - 1051/8001		8/02/2012	EM1201358	EM1201358001	0.023	0.0028	0.153	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.016
SD1	SD1 - 1051/8001	Lake Fiskville	8/02/2012	EM1201358	EM1201358013																							
SD1	SD1-1051/8001		8/02/2012	EM1201412	EM1201412001																							
SD2	SD2 - 1052/8002		8/02/2012	EM1201358	EM1201358002	0.028	0.0021	0.342	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.012
SD2	SD2 - 1052/8002		8/02/2012	EM1201358	EM1201358014																							
Statistical Summary																												
Number of Results	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2
Number of Detects	2	2	2	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
Minimum Concentration	0.023	0.0021	0.153	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.012
Minimum Detect	0.023	0.0021	0.153	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	0.028	0.0028	0.342	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.016
Maximum Detect	0.028	0.0028	0.342	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration																0.75												
Median Concentration	0.0255	0.00245	0.2475	0.75	0.75	0.75	0.75	0.75	1.5	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.007
Standard Deviation																0.46												
Number of Guideline Exceedances	0	0	0	2	2	2	2	2	0	0	2	2	1	2	0	4	2	1	0	0	0	0	0	0	0	0	0	0
Number of Guideline Exceedances (Detects Only)	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

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #3 ESDAT Combined with Non-Detect Multiplier of 0.5.

XX = reported concentration exceeds Ecological criteria (high)
 XX = reported concentration exceeds Ecological criteria (low)
 XX = reported concentration exceeds Human Health Criteria for Industrial land use

CFA Training College, Fiskville
 Preliminary Site Investigation
 Table H5 - Sediment Results - Lake Fiskville

		Phenolics					Phenolics-Halogenated					Phthalates					Polychlorinated Biphenyls								Quality Parameters		Solvents								
		2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3- & 4-Methylphenol	Phenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butylbenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Acroclor 1016	Acroclor 1232	Acroclor 1242	Acroclor 1248	Acroclor 1254	Acroclor 1260	Acroclor 1221	PCB (Sum of Total-Lab Reported)	Total Organic Carbon	Moisture	Methyl Ethyl Ketone	2-Hexanone	4-Methyl-2-pentanone	Isophenone	Vinyl acetate	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	5	0.5	0.5	0.5	0.5	0.5	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	200	1	5	5	5	0.5	5	
Ecological (ISQG High)																												0.023							
Ecological (ISQG Low (Trigger Value))																												50							
Human Health - Industrial																												42500							
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode																														
SD1	SD1-1051/8001		8/02/2012	EM1201358	EM1201358001	<2.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	62900	33.3					<2.5	<10	
SD1	SD1-1051/8001	Lake Fiskville	8/02/2012	EM1201358	EM1201358013																														
SD1	SD1-1051/8001		8/02/2012	EM1201412	EM1201412001																														
SD2	SD2-1052/8002		8/02/2012	EM1201358	EM1201358002	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	31500	3.1					<0.5	<5	
SD2	SD2-1052/8002		8/02/2012	EM1201358	EM1201358014																														
Statistical Summary																																			
Number of Results		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	4	2	2	2	2	2	2	
Number of Detects		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	4	0	0	0	0	0	0	
Minimum Concentration		<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	<0.0125	31500	3.1	<5	<5	<5	<0.5	<5		
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31500	3.1	ND	ND	ND	ND	ND	ND	
Maximum Concentration		<2.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<25	<2.5	<2.5	<2.5	<2.5	<2.5	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	62900	73.4	<10	<10	<10	<2.5	<10		
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62900	73.4	ND	ND	ND	ND	ND	ND	
Average Concentration																																			
Median Concentration		0.75	0.75	0.75	1.5	0.75	0.75	0.75	0.75	0.75	0.75	1.5	7.5	0.75	0.75	0.75	0.75	0.75	0.007025	0.007025	0.007025	0.007025	0.007025	0.007025	0.007025	0.007025	47200	30.5	3.75	3.75	3.75	0.75	3.75		
Standard Deviation																																			
Number of Guideline Exceedances		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
Number of Guideline Exceedances (Detects Only)		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

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #3 ESDAT Combined with Non-Detect Multiplier of 0.5.

XX = reported concentration exceeds Ecological criteria (high)
XX = reported concentration exceeds Ecological criteria (low)
XX = reported concentration exceeds Human Health Criteria for Industrial land use

CFA Training College, Fiskville
 Preliminary Site Investigation
 Table H5 - Sediment Results - Lake Fiskville

LOR	SVOCs																			Total Petroleum Hydrocarbons								
	2-(Acetylamino) fluorene	2-Picoline	3,3-Dichlorobenzidine	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline-n-oxide	Acetophenone	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Met-haptylene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH-C10 - C36 (Sum of total) (Calculated)	TPH-C10 - C36 (Sum of total) (Lab Reported)	C6 - C10 Fraction	
mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	2.5	0.5	0.5	0.5	0.5	0.5	1	0.5	10	3	3	5	307.5 ^{#3}	306	10
Ecological (ISQG High)																												
Ecological (ISQG Low (Trigger Value))																												
Human Health - Industrial																												
																				320	260	2500	6600					

Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	2-(Acetylamino) fluorene	2-Picoline	3,3-Dichlorobenzidine	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline-n-oxide	Acetophenone	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Met-haptylene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH-C10 - C36 (Sum of total) (Calculated)	TPH-C10 - C36 (Sum of total) (Lab Reported)	C6 - C10 Fraction
SD1	SD1 - 1051/8001		8/02/2012	EM1201358	EM1201358001	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<12.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<20	<3	138	168	307.5 ^{#3}	306	<20
SD1	SD1 - 1051/8001	Lake Fiskville	8/02/2012	EM1201358	EM1201358013	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1	<2.5	<2.5	<2.5	<12.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<3	111	122	234.5 ^{#3}	233	<10	
SD2	SD2 - 1052/8002		8/02/2012	EM1201358	EM1201358002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<10	<3	111	122	234.5 ^{#3}	233	<10
SD2	SD2 - 1052/8002		8/02/2012	EM1201358	EM1201358014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<10	<3	111	122	234.5 ^{#3}	233	<10

Statistical Summary																																											
Number of Results	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	2	2	2	2		
Number of Detects	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	0	0	0	0	0	
Minimum Concentration	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<10	<3	111	122	234.5	233	<10	<10	<3	111	122	234.5	233	<10	<10			
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<2.5	<2.5	<12.5	<2.5	<2.5	<2.5	<2.5	<5	<2.5	<20	<3	138	168	307.5	306	<20	<20	<3	138	168	307.5	306	<20	<20			
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.5	0.75	0.75	0.75	3.75	0.75	0.75	0.75	0.75	1.5	0.75	7.5	1.5	124.5	145	271	269.5	7.5	7.5	1.5	124.5	145	271	269.5	7.5	7.5			
Standard Deviation	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	0	0	0	0		
Number of Guideline Exceedances	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	0	0	0	0	0	
Number of Guideline Exceedances(Detects Only)	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	0	0	0	0	0	

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #3 ESDAT Combined with Non-Detect Multiplier of 0.5.

XX = reported concentration exceeds Ecological criteria (high)
XX = reported concentration exceeds Ecological criteria (low)
XX = reported concentration exceeds Human Health Criteria for Industrial land use

Table H6 - Sediment Results - Dams 1-4

		PAH																PAH-Others				Pesticides-Others			Phenolics												
		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole	Chlorobenzilate	Demeton-s-methyl	2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3,4,4'-Methylphenol	Phenol								
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg									
LOR		0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5									
Human Health - Industrial					5					22000						17000	100												42500								
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAH (Sum of Common 16 PAHs - Lab Reported)	2-Chloronaphthalene	2-Methylnaphthalene	3-Methylcholanthrene	7,12-Dimethylbenz(a)anthracene	Carbazole	Chlorobenzilate	Demeton-s-methyl	2,4-Dimethylphenol	2-Methylphenol	2-Nitrophenol	3,4,4'-Methylphenol	Phenol				
SD3	SD3 - 1043/8003	Dam 4	8/02/2012	EM1201358	EM1201358003	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
SD3	SD3 - 1043/8003		8/02/2012	EM1201358	EM1201358015	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5				
SD4	SD4 - 1044/8004		8/02/2012	EM1201358	EM1201358004	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
SD4	SD4 - 1044/8004		8/02/2012	EM1201358	EM1201358016	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
SD5	SD5 - 1035/8005	Dam 3	8/02/2012	EM1201358	EM1201358005	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
SD5	SD5 - 1035/8005		8/02/2012	EM1201358	EM1201358017	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
SD6	SD6 - 1036/8006		8/02/2012	EM1201358	EM1201358006	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
SD6	SD6 - 1036/8006		8/02/2012	EM1201358	EM1201358018	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SD7	SD7 - 1027/8007	Dam 2	8/02/2012	EM1201358	EM1201358007	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5		
SD7	SD7 - 1027/8007		8/02/2012	EM1201358	EM1201358019	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5		
SD7	SD7-1027/8007		8/02/2012	EM1201412	EM1201412002	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	
SD8	SD8 - 1028/8008		8/02/2012	EM1201358	EM1201358008	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	
SD8	SD8 - 1028/8008	8/02/2012	EM1201358	EM1201358020	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	
SD8	SD8-1028/8008	8/02/2012	EM1201412	EM1201412003	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	
SD9	SD9 - 1019/8009	Dam 1	8/02/2012	EM1201358	EM1201358009	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	10.3	<7.5	<7.5	<7.5	<7.5	19.6	29.9	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	
SD9	SD9 - 1019/8009		8/02/2012	EM1201358	EM1201358021	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	10.2	10.2	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	
SD9	SD9-1019/8009		8/02/2012	EM1201412	EM1201412004	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	10.3	10.3	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5
SD10	SD10 - 10110/8010		8/02/2012	EM1201358	EM1201358010	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	10.2	10.2	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5
SD10	SD10 - 10110/8010		8/02/2012	EM1201358	EM1201358022	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	10.2	10.2	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5
SD10	SD10-10110/8010	8/02/2012	EM1201412	EM1201412005	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	10.2	10.2	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5

Statistical Summary																																												
Number of Results	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
Number of Detects	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	0	0	0	0	0		
Minimum Concentration	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Maximum Concentration	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5		
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration	2	2	2	2	2	4	2	2	2	2	2.8	2	2	1.5	2	4.8	6.1	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	
Median Concentration	2	2	2	2	2	4	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	
Standard Deviation	1.9	1.9	1.9	1.9	1.9	3.7	1.9	1.9	1.9	3.5	1.9	1.9	1.4	1.9	6.9	10	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
Number of Guideline Exceedances																																												

Table H6 - Sediment Results - Dams 1-4

		Phenolics-Halogenated								Phthalates						Polychlorinated Biphenyls								Quality Parameters		Solvents					
		2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,4-Dichlorophenol	2,6-Dichlorophenol	2-Chlorophenol	4-Chloro-3-methylphenol	Pentachlorophenol	Bis(2-ethylhexyl) phthalate	Butylbenzyl phthalate	Diethyl phthalate	Dimethyl phthalate	Di-n-butyl phthalate	Di-n-octyl phthalate	Aroclor 1016	Aroclor 1222	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1221	PCB (Sum of Total-Lab Reported)	Total Organic Carbon	Moisture	Methyl Ethyl Ketone	2-Hexanone	4-Methyl-2-pentanone	Isophorone	Vinyl acetate		
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
LOR		0.5	0.5	0.5	0.5	0.5	0.5	1	5	0.5	0.5	0.5	0.5	0.5	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	200	1	5	5	5	0.5	5		
Human Health - Industrial																						50									
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode																										
SD3	SD3 - 1043/8003	Dam 4	8/02/2012	EM1201358	EM1201358003	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6300	14.5	<5	<5	<5	<0.5	<5		
SD3	SD3 - 1043/8003		8/02/2012	EM1201358	EM1201358015																		41.2	11.2							
SD4	SD4 - 1044/8004		8/02/2012	EM1201358	EM1201358004	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	6200	11.2	<5	<5	<5	<0.5	<5		
SD4	SD4 - 1044/8004		8/02/2012	EM1201358	EM1201358016																			44.1	11.2						
SD5	SD5 - 1035/8005	Dam 3	8/02/2012	EM1201358	EM1201358005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	14200	19.6	<10	<10	<10	<0.5	<10		
SD5	SD5 - 1035/8005		8/02/2012	EM1201358	EM1201358017																			63.1	11.2						
SD6	SD6 - 1036/8006		8/02/2012	EM1201358	EM1201358006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	42500	7.6	<5	<5	<5	<0.5	<5		
SD6	SD6 - 1036/8006		8/02/2012	EM1201358	EM1201358018																			42.1	11.2						
SD7	SD7 - 1027/8007	Dam 2	8/02/2012	EM1201358	EM1201358007	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	29000	10.7	<10	<10	<10	<7.5	<10		
SD7	SD7 - 1027/8007		8/02/2012	EM1201358	EM1201358019																			67.8	11.2						
SD7	SD7-1027/8007		8/02/2012	EM1201412	EM1201412002	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	88800	43.5	<20	<20	<20	<7.5	<20		
SD8	SD8 - 1028/8008		8/02/2012	EM1201358	EM1201358008	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	81.6	11.2	<20	<20	<20	<7.5	<20	
SD8	SD8 - 1028/8008	8/02/2012	EM1201358	EM1201358020																				42.1	11.2						
SD8	SD8-1028/8008	8/02/2012	EM1201412	EM1201412003	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	91900	13.6	<20	<20	<20	<7.5	<20		
SD9	SD9 - 1019/8009	Dam 1	8/02/2012	EM1201358	EM1201358009	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	91900	13.6	<20	<20	<20	<7.5	<20		
SD9	SD9 - 1019/8009		8/02/2012	EM1201358	EM1201358021																			80.6	11.2						
SD9	SD9-1019/8009		8/02/2012	EM1201412	EM1201412004	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	19500	9.2	<5	<5	<5	<7.5	<5		
SD10	SD10 - 10110/8010		8/02/2012	EM1201358	EM1201358010	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	39.8	11.2	<5	<5	<5	<7.5	<5	
SD10	SD10 - 10110/8010	8/02/2012	EM1201358	EM1201358022																				39.8	11.2						
SD10	SD10-10110/8010	8/02/2012	EM1201412	EM1201412005	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	19500	9.2	<5	<5	<5	<7.5	<5		

Statistical Summary																															
Number of Results	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	16	8	8	8	8	8		
Number of Detects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	16	0	0	0	0	0		
Minimum Concentration	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	<0.0156	6,200	7.6	<5	<5	<5	<0.5	<5		
Minimum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,200	7.6	ND	ND	ND	ND	ND		
Maximum Concentration	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<75	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<0.0312	<0.0312	<0.0312	<0.0312	<0.0312	<0.0312	<0.0312	<0.0312	91,900	81.6	<20	<20	<20	<7.5	<20		
Maximum Detect	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	91,900	81.6	ND	ND	ND	ND	ND		
Average Concentration	2	2	2	2	2	2	4	20	2	2	2	2	2	2	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	37,300	37	5	5	5	2	5		
Median Concentration	2	2	2	2	2	2	4	20	2	2	2	2	2	2	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	24,250	40.5	3.75	3.75	3.75	2	3.75		
Standard Deviation	1.9	1.9	1.9	1.9	1.9	1.9	3.7	19	1.9	1.9	1.9	1.9	1.9	1.9	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	34,863	26	3.3	3.3	3.3	1.9	3.3		
Number of Guideline Exceedances	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		
Number of Guideline Exceedances (Detects Only)	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		

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined with Non-Detect Multiplier of 0.5. Some Analytes are missing from this Combined Compound.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined with Non-Detect Multiplier of 0.5.

XX = reported concentration exceeds Human Health Criteria for Industrial land use

Table H6 - Sediment Results - Dams 1-4

		SVOCs																		Total Petroleum Hydrocarbons										
		2-(Acetylamino) fluorene	2-Picoline	3,3-Dichlorobenzidine	4-(Dimethylamino) azobenzene	4-Aminobiphenyl	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	4-Nitroquinoline-n-oxide	Acetophenone	Azobenzene	Bis(2-chloroethoxy) methane	Bis(2-chloroisopropyl) ether	Dibenzofuran	Hexachlorocyclopentadiene	Hexachloropropene	Methapyrillene	n-Nitrosomorpholine	N-Nitrosopiperidine	n-Nitrosopyrrolidine	Phenacetin	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH-C10 - C36 (Sum of total) (Calculated)	TPH-C10 - C36 (Sum of total) (Lab Reported)	C6 - C10 Fraction		
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
LOR		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1	0.5	0.5	0.5	2.5	0.5	0.5	0.5	0.5	1	0.5	10	3	3	5	3	10			
Human Health - Industrial																						320	260	2500	6600					
Location Code	Field ID	Location	Sampled Date Time	SDG	SampleCode																									
SD3	SD3 - 1043/8003	Dam 4	8/02/2012	EM1201358	EM1201358003	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<3	26	45	72.5 ^{#4}	71	<10		
SD3	SD3 - 1043/8003		8/02/2012	EM1201358	EM1201358015																									
SD4	SD4 - 1044/8004		8/02/2012	EM1201358	EM1201358004	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<3	56	67	124.5 ^{#4}	123	<10	
SD4	SD4 - 1044/8004		8/02/2012	EM1201358	EM1201358016																									
SD5	SD5 - 1035/8005	Dam 3	8/02/2012	EM1201358	EM1201358005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	10	84	88	182 ^{#4}	182	<20		
SD5	SD5 - 1035/8005		8/02/2012	EM1201358	EM1201358017																									
SD6	SD6 - 1036/8006		8/02/2012	EM1201358	EM1201358006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	11	129	147	287 ^{#4}	287	<20		
SD6	SD6 - 1036/8006		8/02/2012	EM1201358	EM1201358018																									
SD7	SD7 - 1027/8007	Dam 2	8/02/2012	EM1201358	EM1201358007	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<6	169	126	298 ^{#4}	295	<20		
SD7	SD7 - 1027/8007		8/02/2012	EM1201358	EM1201358019																									
SD7	SD7-1027/8007		8/02/2012	EM1201412	EM1201412002																									
SD8	SD8 - 1028/8008		8/02/2012	EM1201358	EM1201358008	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	244	685	3720	270	4675 ^{#4}	4680	343
SD8	SD8 - 1028/8008		8/02/2012	EM1201358	EM1201358020																									
SD9	SD9 - 1019/8009	Dam 1	8/02/2012	EM1201358	EM1201412003																									
SD9	SD9 - 1019/8009		8/02/2012	EM1201358	EM1201358009	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	1550	19300	792	21642 ^{#4}	21600			
SD9	SD9-1019/8009		8/02/2012	EM1201412	EM1201412004																									
SD10	SD10 - 10110/8010		8/02/2012	EM1201358	EM1201358010	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	71	214	1860	450	2524 ^{#4}	2520	96
SD10	SD10 - 10110/8010		8/02/2012	EM1201358	EM1201358022																									
SD10	SD10-10110/8010	8/02/2012	EM1201412	EM1201412005																										

Statistical Summary																												
Number of Results		8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
Number of Detects		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	8	8	8	8	3
Minimum Concentration		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<10	<3	26	45	72.5	71	<10
Minimum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71	10	26	45	72.5	71	96
Maximum Concentration		<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	<7.5	<7.5	<7.5	<37.5	<7.5	<7.5	<7.5	<7.5	<15	<7.5	244	1,550	19,300	792	21,642	21,600	343
Maximum Detect		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	244	1,550	19,300	792	21,642	21,600	343
Average Concentration		2	2	2	2	2	2	2	2	4	2	2	2	2	10	2	2	2	2	4	2	65	310	3,168	248	3,726	3,720	87
Median Concentration		2	2	2	2	2	2	2	2	4	2	2	2	2	10	2	2	2	2	4	2	10	10.5	149	136.5	292.5	291	10
Standard Deviation		1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	1.9	1.9	1.9	1.9	9.4	1.9	1.9	1.9	1.9	3.7	1.9	92	554	6,650	257	7,424	7,410	129
Number of Guideline Exceedances		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
Number of Guideline Exceedances (Detects Only)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0

Comments
 #1 ESDAT Combined. Some analytes are reported multiple times; the lowest non-detect or the highest detect is used.
 #2 ESDAT Combined with Non-Detect Multiplier of 0.5. Some Analytes are missing from this Combined Compound.
 #3 ESDAT Combined. Some Analytes are missing from this Combined Compound.
 #4 ESDAT Combined with Non-Detect Multiplier of 0.5.

XX = reported concentration exceeds Human Health Criteria for Industrial land use



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Table H8 - Tree Core Results

					1,2-Dibromo-3-chloropropane	1,2-Dibromoethane	1,2-Dichloroethane	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorinated Hydrocarbons	Chlorodibromomethane	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	cis-1,4-Dichloro-2-butene	Dibromomethane	Dichlorodifluoromethane	Hexachlorobutadiene	Iodomethane	Other Chlorinated Hydrocarbons (WRG)	Pentachloroethane	Trichloroethene	Tetrachloroethene	trans-1,2-dichloroethene	trans-1,3-dichloropropene	trans-1,4-Dichloro-2-butene	Trichlorofluoromethane	Vinyl chloride		
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR					0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	0.5	0.5	0.5	0.5	5	0.5	5	0.5	0.5	0.5	0.5	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	5		
Location Code	Field ID	Area	Sampled Date Time	SDG																																		
TC1	TC1/8001	Drum Burial Area	1/03/2012	EM1202311	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<48	<2	<20	<2	<20	<2	<2	<2	<2	<20	<2	<2	<26	<2	<2	<2	<2	<2	<20	<20			
TC2	TC2/8002	Drum Burial Area	1/03/2012	EM1202311	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<36	<1.5	<15	<1.5	<15	<1.5	<1.5	<1.5	<1.5	<15	<1.5	<1.5	<19.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<15	<15		
TC3	TC3/8003	Drum Burial Area	1/03/2012	EM1202311	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<28.8	<1.2	<12	<1.2	<12	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<15.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<12	<12		
TC7	TC7/8007	Drum Burial Area	1/03/2012	EM1202311	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<48	<2	<20	<2	<20	<2	<2	<2	<2	<20	<2	<2	<26	<2	<2	<2	<2	<2	<2	<20	<20		
Statistical Summary																																						
Number of Results					4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Number of Detects					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
Minimum Concentration					<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<28.8	<1.2	<12	<1.2	<12	<1.2	<1.2	<1.2	<1.2	<12	<1.2	<1.2	<15.6	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<12	<12		
Minimum Detect					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum Concentration					<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<48	<2	<20	<2	<20	<2	<2	<2	<2	<20	<2	<2	<26	<2	<2	<2	<2	<2	<2	<20	<20		
Maximum Detect					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Average Concentration					0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	8.4	0.84	0.84	20	0.84	8.4	0.84	8.4	0.84	0.84	0.84	0.84	0.84	8.4	0.84	0.84	11	0.84	0.84	0.84	0.84	0.84	0.84	8.4	8.4	
Median Concentration					0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	8.75	0.875	0.875	21	0.875	8.75	0.875	8.75	0.875	0.875	0.875	0.875	0.875	8.75	0.875	0.875	11.38	0.875	0.875	0.875	0.875	0.875	0.875	8.75	8.75	
Standard Deviation					0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	4.7	0.2	2	0.2	2	0.2	0.2	0.2	0.2	2	0.2	0.2	2.6	0.2	0.2	0.2	0.2	0.2	0.2	2	2		
Number of Guideline Exceedances					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	
Number of Guideline Exceedances (Detects Only)					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	



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Table H9 - Soil Results
Relative Percentage Difference

		EM1201711 A8HA5/2001 15/02/2012			EM1201711 A8HA5/2801 15/02/2012			EM1201711 A8HA5/2001 15/02/2012			Interlab_D A8HA5/2901 15/02/2012		
		RPD			RPD			RPD			RPD		
Method Type	ChemName	Units											
Moisture Content	Moisture	%	18.9	29	42		18.9	25	28				
Organic Matter	Total Organic Carbon	mg/kg	27000	14000	63		27000	29000	7				
Perchlorate in Soils and Sediments by LC/MS	Perchlorate	mg/kg	<0.01	<0.01	0		<0.01	<0.01	0				
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	6:2 Fluorotelomer Sulfonate (6:2 FtS)	mg/kg	<0.005	<0.005	0		<0.005						
	Perfluorooctanoate	mg/kg	<0.0005	0.0007	33		<0.0005						
	PFOS	mg/kg	0.0012	0.0316	185		0.0012						
Pesticides by GCMS	a-BHC	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Aldrin	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Azinphos-methyl	mg/kg	<0.1	<0.05	0		<0.1	<0.2	0				
	b-BHC	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Bromophos-ethyl	mg/kg	<0.1	<0.05	0		<0.1						
	Carbophenothion	mg/kg	<0.1	<0.05	0		<0.1						
	cis-Chlordane	mg/kg	<0.1	<0.05	0		<0.1						
	trans-Chlordane	mg/kg	<0.1	<0.05	0		<0.1						
	Chlorfenvinphos	mg/kg	<0.1	<0.05	0		<0.1						
	Chlorpyrifos	mg/kg	<0.1	<0.05	0		<0.1	<0.2	0				
	Chlorpyrifos-methyl	mg/kg	<0.1	<0.05	0		<0.1						
	d-BHC	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	DDD	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	DDE	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	DDT	mg/kg	<0.4	<0.2	0		<0.4	<0.05	0				
	Demeton-s-methyl	mg/kg	<0.1	<0.05	0		<0.1						
	Diazinon	mg/kg	<0.1	<0.05	0		<0.1	<0.2	0				
	Dichlorvos	mg/kg	<0.1	<0.05	0		<0.1	<0.2	0				
	Dieldrin	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Dimethoate	mg/kg	<0.1	<0.05	0		<0.1						
	Endosulfan I	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Endosulfan II	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Endosulfan sulphate	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Endrin	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Endrin aldehyde	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Endrin ketone	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Ethion	mg/kg	<0.1	<0.05	0		<0.1	<0.2	0				
	Fenamiphos	mg/kg	<0.1	<0.05	0		<0.1						
	Fenthion	mg/kg	<0.1	<0.05	0		<0.1	<0.2	0				
	g-BHC	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
	Heptachlor	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0				
Heptachlor epoxide	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0					
Hexachlorobenzene	mg/kg	<0.1	<0.05	0		<0.1	<0.05	0					
Malathion	mg/kg	<0.1	<0.05	0		<0.1							
Methoxychlor	mg/kg	<0.4	<0.2	0		<0.4	<0.05	0					
Parathion-methyl	mg/kg	<0.4	<0.2	0		<0.4	<0.2	0					
Monocrotophos	mg/kg	<0.4	<0.2	0		<0.4							
Parathion	mg/kg	<0.4	<0.2	0		<0.4							
Pirimphos-ethyl	mg/kg	<0.1	<0.05	0		<0.1							
Prothiofos	mg/kg	<0.1	<0.05	0		<0.1	<0.2	0					
pH (1:5)	pH (Lab)	pH	6.5	6.5	0		6.5						
Polychlorinated Biphenyls (PCB)	PCB (Sum of Total-Lab Reported)	mg/kg	<0.2	<0.1	0		<0.2	<0.1	0				

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Table H9 - Soil Results
Relative Percentage Difference

			EM1201711	EM1201711	RPD	EM1201711	Interlab_D	RPD
			A8HA5/2001	A8HA5/2801		A8HA5/2001	A8HA5/2901	
			15/02/2012	15/02/2012		15/02/2012	15/02/2012	
Semivolatile Organic Compounds	1,3,5-Trinitrobenzene	mg/kg	<0.5	<0.5	0	<0.5		0
	2,4,5-Trichlorophenol	mg/kg	<0.5	<0.5	0	<0.5	<1	0
	2,4,6-Trichlorophenol	mg/kg	<0.5	<0.5	0	<0.5	<1	0
	2,4-Dinitrotoluene	mg/kg						
	2,4-Dinitrotoluene	mg/kg	<1	<1	0	<1	<0.5	0
	2,4-Dichlorophenol	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	2,6-Dinitrotoluene	mg/kg						
	2,6-Dinitrotoluene	mg/kg	<1	<1	0	<1	<0.5	0
	2,6-Dichlorophenol	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	2-Chlorophenol	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	1,2,4-Trichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	4-Chloro-3-methylphenol	mg/kg	<0.5	<0.5	0	<0.5	<1	0
	1,2-Dichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Pentachlorophenol	mg/kg	<1	<1	0	<1	<1	0
	1,3-Dichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,4-Dichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Hexachlorobutadiene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Hexachloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Pronamide	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	1-Naphthylamine	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	2-(Acetylamino) fluorene	mg/kg	<0.5	<0.5	0	<0.5		
	2,4-Dimethylphenol	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	2-Chloronaphthalene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	2-Methylnaphthalene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	2-Methylphenol	mg/kg	<0.5	<0.5	0	<0.5	<0.2	0
	2-Nitroaniline	mg/kg						
	2-Nitroaniline	mg/kg	<1	<1	0	<1	<0.5	0
	2-Nitrophenol	mg/kg	<0.5	<0.5	0	<0.5	<1	0
	2-Picoline	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	3- & 4- Methylphenol	mg/kg	4.6	<1	129	4.6	<0.4	168
	3,3-Dichlorobenzidine	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	3-Methylcholanthrene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	3-Nitroaniline	mg/kg						
	3-Nitroaniline	mg/kg	<1	<1	0	<1		
	4-(Dimethylamino) azobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	4-Aminobiphenyl	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	4-Bromophenyl phenyl ether	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	4-Chloroaniline	mg/kg	<0.5	<0.5	0	<0.5		
	4-Chlorophenyl phenyl ether	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	4-Nitroaniline	mg/kg	<0.5	<0.5	0	<0.5		
	4-Nitroquinoline-n-oxide	mg/kg	<0.5	<0.5	0	<0.5		
	2-methyl-5-nitroaniline	mg/kg	<0.5	<0.5	0	<0.5		
	7,12-Dimethylbenz(a)anthracene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	a-BHC	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Acenaphthene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Acenaphthylene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Acetophenone	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Aldrin	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Aniline	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Anthracene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Azobenzene	mg/kg	<1	<1	0	<1		
	b-BHC	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Benz(a)anthracene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Benz(a)pyrene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Benzofluoranthene	mg/kg	<1	<1	0	<1		
	Benzofluoranthene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Bis(2-chloroethoxy) methane	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Bis(2-chloroisopropyl) ether	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Bis(2-ethylhexyl) phthalate	mg/kg						
	Bis(2-ethylhexyl) phthalate	mg/kg	<5	<5	0	<5	<0.5	0
	Butylbenzyl phthalate	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Carbazole	mg/kg	<0.5	<0.5	0	<0.5		
	Chlorfenvinphos	mg/kg	<0.5	<0.5	0	<0.5		
	Chlorobenzilate	mg/kg	<0.5	<0.5	0	<0.5		
	Chlorpyrifos	mg/kg	<0.5	<0.5	0	<0.5	<0.2	0
	Chlorpyrifos-methyl	mg/kg	<0.5	<0.5	0	<0.5		
	Chrysene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	d-BHC	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	DDD	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	DDE	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	DDT	mg/kg						
	DDT	mg/kg	<1	<1	0	<1	<0.05	0
	Diazinon	mg/kg	<0.5	<0.5	0	<0.5	<0.2	0
	Dibenz(a,h)anthracene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Dibenzofuran	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Dichlorvos	mg/kg	<0.5	<0.5	0	<0.5	<0.2	0
	Diieldrin	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Diethyl phthalate	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Dimethoate	mg/kg	<0.5	<0.5	0	<0.5		
	Dimethyl phthalate	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Di-n-butyl phthalate	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Di-n-octyl phthalate	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	Endosulfan I	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Endosulfan II	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Endosulfan sulphate	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
Endrin	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0	
Ethion	mg/kg	<0.5	<0.5	0	<0.5	<0.2	0	
Fenthion	mg/kg	<0.5	<0.5	0	<0.5	<0.2	0	
Fluoranthene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0	
Fluorene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0	
g-BHC	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0	
Heptachlor	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0	
Heptachlor epoxide	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0	
Hexachlorobenzene	mg/kg							
Hexachlorobenzene	mg/kg	<1	<1	0	<1	<0.05	0	
Hexachlorocyclopentadiene	mg/kg							
Hexachlorocyclopentadiene	mg/kg	<2.5	<2.5	0	<2.5	<0.5	0	
Hexachloropropene	mg/kg	<0.5	<0.5	0	<0.5			
Indeno(1,2,3-c,d)pyrene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0	
Isophorone	mg/kg	<0.5	<0.5	0	<0.5			
Malathion	mg/kg	<0.5	<0.5	0	<0.5			



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Table H9 - Soil Results
 Relative Percentage Difference

		EM1201711			EM1201711		
		A8HA5/2001 15/02/2012	A8HA5/2801 15/02/2012	RPD	A8HA5/2001 15/02/2012	Interlab_D A8HA5/2901 15/02/2012	RPD
Methapyrene	mg/kg	<0.5	<0.5	0	<0.5		
Naphthalene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
Nitrobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
n-Nitrosodiethylamine	mg/kg	<0.5	<0.5	0	<0.5		
N-Nitrosodi-n-butylamine	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
N-Nitrosodi-n-propylamine	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
n-Nitrosodiphenylamine & Diphenylamine	mg/kg						
n-Nitrosodiphenylamine & Diphenylamine	mg/kg	<1	<1	0	<1		
n-Nitrosomethylethylamine	mg/kg	<0.5	<0.5	0	<0.5		
n-Nitrosomorpholine	mg/kg	<0.5	<0.5	0	<0.5		
N-Nitrosopiperidine	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
n-Nitrosopyrrolidine	mg/kg						
n-Nitrosopyrrolidine	mg/kg	<1	<1	0	<1		
Phenanthrene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
Pentachlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
Pentachloronitrobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
Phenacetin	mg/kg	<0.5	<0.5	0	<0.5		
Pyrene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
Phenol	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
Pirimphos-ethyl	mg/kg	<0.5	<0.5	0	<0.5		
Prothiotos	mg/kg	<0.5	<0.5	0	<0.5	<0.2	0
PAH (Sum of Common 16 PAHs - Lab Reported)	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0



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Table H9 - Soil Results
Relative Percentage Difference

		EM1201711 A8HA5/2001 15/02/2012	EM1201711 A8HA5/2801 15/02/2012	RPD	EM1201711 A8HA5/2001 15/02/2012	Interlab_D A8HA5/2901 15/02/2012	RPD	
Total Mercury by FIMS	Mercury	mg/kg	<0.1	<0.1	0	<0.1	<0.1	0
Total Mercury by FIMS (Low Level)	Mercury	mg/kg						
Total Metals by ICP-AES	Arsenic	mg/kg	6	<5	18	6	4	40
	Cadmium	mg/kg	<1	<1	0	<1	<0.4	0
	Chromium	mg/kg	58	43	30	58	32	58
	Copper	mg/kg	7	6	15	7	6.3	11
	Lead	mg/kg	19	18	5	19	12	45
	Nickel	mg/kg	12	8	40	12	9.7	21
	Zinc	mg/kg	14	7	67	14	14	0
TPH - Semivolatile Fraction	TPH C10 - C14 Fraction	mg/kg	<50	<50	0	<50	<20	0
	TPH C10 - C14 Fraction	mg/kg						
	TPH C15 - C28 Fraction	mg/kg						
	TPH C15 - C28 Fraction	mg/kg	140	<100	33	140	<50	95
	TPH C29-C36 Fraction	mg/kg						
	TPH C29-C36 Fraction	mg/kg	<100	<100	0	<100	<50	0
	TPH+C10 - C36 (Sum of total) (Lab Reported)	mg/kg	140	<50	95	140	<50	95
	TPH+C10 - C36 (Sum of total) (Lab Reported)	mg/kg						
	TPH+C10 - C40 (Sum of total) (Lab Reported)	mg/kg	200	<50	120	200	<50	0
	>C10 - C16 Fraction	mg/kg	<50	<50	0	<50	<50	0
	>C16 - C34 Fraction	mg/kg	200	<100	67	200	<100	67
	>C34 - C40 Fraction	mg/kg	<100	<100	0	<100	<100	0
	TPH C 6 - C 9 Fraction	mg/kg	<10	<10	0	<10	<20	0
	C6 - C10 Fraction	mg/kg	<10	<10	0	<10	<20	0
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,1,2,2-Tetrachloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,1,1-Trichloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,1,2-Trichloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2,3-Trichloropropane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2-Dibromo-3-chloropropane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2-Dibromoethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,1-Dichloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2-Dichloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,1-Dichloroethene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2,3-Trichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.5	0
	cis-1,2-Dichloroethene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	trans-1,2-dichloroethene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2-Dichloropropane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2,4-Trichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,3-Dichloropropane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2,4-trimethylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	2,2-Dichloropropane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,1-Dichloropropene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	cis-1,3-Dichloropropene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	trans-1,3-dichloropropene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,2-Dichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	cis-1,4-Dichloro-2-butene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	trans-1,4-Dichloro-2-butene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,3,5-Trimethylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	1,3-Dichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Bromodichloromethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Bromoform	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Bromomethane	mg/kg	<5	<5	0	<5	<0.05	0
	1,4-Dichlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Carbon disulfide	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Carbon tetrachloride	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Chlorodibromomethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Chloroethane	mg/kg	<5	<5	0	<5	<0.05	0
	Chloroform	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Chloromethane	mg/kg	<5	<5	0	<5	<0.05	0
	Dibromomethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Dichlorodifluoromethane	mg/kg	<5	<5	0	<5	<0.05	0
	Hexachlorobutadiene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Iodomethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Pentachloroethane	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Trichloroethene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Tetrachloroethene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Trichlorofluoromethane	mg/kg	<5	<5	0	<5	<0.05	0
	Vinyl chloride	mg/kg	<5	<5	0	<5	<0.05	0
	Methyl Ethyl Ketone	mg/kg	<5	<5	0	<5	<0.05	0
	2-Chlorotoluene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	2-Hexanone	mg/kg	<5	<5	0	<5	<0.05	0
	4-Chlorotoluene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	4-Methyl-2-pentanone	mg/kg	<5	<5	0	<5	<0.05	0
	Benzene	mg/kg	<0.2	<0.2	0	<0.2	<0.05	0
	Bromobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Chlorobenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Ethylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Isopropylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Naphthalene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	n-Butylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	n-Propylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	p-Isopropyltoluene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	sec-Butylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Styrene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	tert-Butylbenzene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Toluene	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0
	Vinyl acetate	mg/kg	<5	<5	0	<5	<0.05	0
	Xylenes (m & p)	mg/kg	<0.5	<0.5	0	<0.5	<0.1	0
	Xylene (o)	mg/kg	<0.5	<0.5	0	<0.5	<0.05	0

*RPDs have only been considered where a concentration is greater than 0 times the EQL.

**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (0-10 x EQL); 50 (10-30 x EQL); 50 (> 30 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

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 Table H10 - Sediment Results
 Relative Percentage Difference

Method Type	ChemName	Units	LOR	EM1201358		RPD	EM1201358			
				SD10 - 10110/8010	Dup2 - 10110/8811		SD10 - 10110/8010	Dup2 - 10110/8811		
				Sampled Date-Time	8/02/2012		8/02/2012	8/02/2012	8/02/2012	
Moisture Content	Moisture	%	1	9.2	8.6	7	39.8	42.5	7	
Organochlorine Pesticides (Ultra-trace)	a-BHC	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Aldrin	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	b-BHC	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Chlordane (Sum of total)	mg/kg	0.00025	<-0.00062	<-0.00062	0				
	cis-Chlordane	mg/kg	0.00025	<-0.00062	<-0.00062	0				
	trans-Chlordane	mg/kg	0.00025	<-0.00062	<-0.00062	0				
	d-BHC	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	DDD	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	DDE	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	DDT	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	DDT+DDE+DDD (Sum of total)	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Dieldrin	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Endosulfan	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Endosulfan I	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Endosulfan II	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Endosulfan sulphate	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Endrin	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Endrin aldehyde	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Endrin ketone	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	g-BHC	mg/kg	0.00025	<-0.00062	<-0.00062	0				
	Heptachlor	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Heptachlor epoxide	mg/kg	0.0005	<-0.00062	<-0.00062	0				
	Hexachlorobenzene	mg/kg	0.0005	<-0.00062	<-0.00062	0				
Methoxychlor	mg/kg	0.0005	<-0.00062	<-0.00062	0					
Oxychlorane	mg/kg	0.0005	<-0.00062	<-0.00062	0					
Organophosphorus Pesticides (Ultra-trace)	Azinphos-methyl	mg/kg	0.01	<-0.25	<-0.25	0				
	Bromophos-ethyl	mg/kg	0.01	<-0.25	<-0.25	0				
	Carbophenothion	mg/kg	0.01	<-0.25	<-0.25	0				
	Chlorfenvinphos E	mg/kg	0.01	<-0.25	<-0.25	0				
	Chlorpyrifos	mg/kg	0.01	<-0.25	<-0.25	0				
	Chlorpyrifos-methyl	mg/kg	0.01	<-0.25	<-0.25	0				
	cis-Chlorfenvinphos	mg/kg	0.01	<-0.25	<-0.25	0				
	Demeton-s-methyl	mg/kg	0.01	<-0.25	<-0.25	0				
	Diazinon	mg/kg	0.01	<-0.25	<-0.25	0				
	Dichlorvos	mg/kg	0.01	<-0.25	<-0.25	0				
	Dimethoate	mg/kg	0.01	<-0.25	<-0.25	0				
	Ethion	mg/kg	0.01	<-0.25	<-0.25	0				
	Fenamiphos	mg/kg	0.01	<-0.25	<-0.25	0				
	Fenthion	mg/kg	0.01	<-0.25	<-0.25	0				
	Malathion	mg/kg	0.01	<-0.25	<-0.25	0				
	Parathion-methyl	mg/kg	0.01	<-0.25	<-0.25	0				
	Monocrotophos	mg/kg	0.01	<-0.25	<-0.25	0				
Parathion	mg/kg	0.01	<-0.25	<-0.25	0					
Pirimphos-ethyl	mg/kg	0.01	<-0.25	<-0.25	0					
Prothiofos	mg/kg	0.01	<-0.25	<-0.25	0					
PCBs (Ultra-trace)	Aroclor 1016	mg/kg	0.005	<-0.0312	<-0.0312	0				
	Aroclor 1232	mg/kg	0.005	<-0.0312	<-0.0312	0				
	Aroclor 1242	mg/kg	0.005	<-0.0312	<-0.0312	0				
	Aroclor 1248	mg/kg	0.005	<-0.0312	<-0.0312	0				
	Aroclor 1254	mg/kg	0.005	<-0.0312	<-0.0312	0				
	Aroclor 1260	mg/kg	0.005	<-0.0312	<-0.0312	0				
	Aroclor 1221	mg/kg	0.005	<-0.0312	<-0.0312	0				
	PCB (Sum of Total-Lab Reported)	mg/kg	0.005	<-0.0312	<-0.0312	0				
PCDDs and PCDFs by GC/HRMS	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	1,2,3,7,8-PeCDD	pg/g	1.25							
	OCDD	pg/g	5							
	OCDD	pg/g	5							
	OCDD	pg/g	5							

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 Table H10 - Sediment Results
 Relative Percentage Difference

SDG Field_ID	EM1201358 SD10 - 10110/8010	EM1201358 Dup2 - 10110/8811	RPD	EM1201358 SD10 - 10110/8010	EM1201358 Dup2 - 10110/8811	RPD
	OCDF	pg/g	2.5			
	OCDF	pg/g	2.5			
	OCDF	pg/g	2.5			
	Total TEQ	mg/kg	0			
	Total TEQ	mg/kg	0			
	Total TEQ	mg/kg	0			
	Total TEQ	mg/kg	0			
	Total TEQ	mg/kg	0			
	Total TEQ	mg/kg	0			
Perchlorate in Soils and Sediments by LC/MS	Perchlorate	mg/kg	0.01	<0.01	<0.01	0
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	6:2 Fluorotelomer Sulfonate (6:2 FIS)	mg/kg	0.005	0.882	0.624	34
	Perfluorooctanoate	mg/kg	0.0005	1.24	0.866	36
	PFOS	mg/kg	0.0005	66	72.2	9
Semivolatile Organic Compounds	1,3,5-Trinitrobenzene	mg/kg	0.5	<7.5	<7.5	0
	2,4,5-Trichlorophenol	mg/kg	0.5	<7.5	<7.5	0
	2,4,6-Trichlorophenol	mg/kg	0.5	<7.5	<7.5	0
	2,4-Dinitrotoluene	mg/kg	1	<15	<15	0
	2,4-Dichlorophenol	mg/kg	0.5	<7.5	<7.5	0
	2,6-Dinitrotoluene	mg/kg	1	<15	<15	0
	2,6-Dichlorophenol	mg/kg	0.5	<7.5	<7.5	0
	2-Chlorophenol	mg/kg	0.5	<7.5	<7.5	0
	1,2,4-Trichlorobenzene	mg/kg	0.5	<7.5	<7.5	0
	4-Chloro-3-methylphenol	mg/kg	0.5	<7.5	<7.5	0
	1,2-Dichlorobenzene	mg/kg	0.5	<7.5	<7.5	0
	Pentachlorophenol	mg/kg	1	<15	<15	0
	1,3-Dichlorobenzene	mg/kg	0.5	<7.5	<7.5	0
	1,4-Dichlorobenzene	mg/kg	0.5	<7.5	<7.5	0
	Hexachlorobutadiene	mg/kg	0.5	<7.5	<7.5	0
	Hexachloroethane	mg/kg	0.5	<7.5	<7.5	0
	Pronamide	mg/kg	0.5	<7.5	<7.5	0
	1-Naphthylamine	mg/kg	0.5	<7.5	<7.5	0
	2-(Acetylamino) fluorene	mg/kg	0.5	<7.5	<7.5	0
	2,4-Dimethylphenol	mg/kg	0.5	<7.5	<7.5	0
	2-Chloronaphthalene	mg/kg	0.5	<7.5	<7.5	0
	2-Methylnaphthalene	mg/kg	0.5	<7.5	<7.5	0
	2-Methylphenol	mg/kg	0.5	<7.5	<7.5	0
	2-Nitroaniline	mg/kg	1	<15	<15	0
	2-Nitrophenol	mg/kg	0.5	<7.5	<7.5	0
	2-Picoline	mg/kg	0.5	<7.5	<7.5	0
	3- & 4- Methylphenol	mg/kg	0.5	<15	<15	0
	3,3-Dichlorobenzidine	mg/kg	0.5	<7.5	<7.5	0
	3-Methylcholanthrene	mg/kg	0.5	<7.5	<7.5	0
	3-Nitroaniline	mg/kg	1	<15	<15	0
	4-(Dimethylamino) azobenzene	mg/kg	0.5	<7.5	<7.5	0
	4-Aminobiphenyl	mg/kg	0.5	<7.5	<7.5	0
	4-Bromophenyl phenyl ether	mg/kg	0.5	<7.5	<7.5	0
	4-Chloroaniline	mg/kg	0.5	<7.5	<7.5	0
	4-Chlorophenyl phenyl ether	mg/kg	0.5	<7.5	<7.5	0
	4-Nitroaniline	mg/kg	0.5	<7.5	<7.5	0
	4-Nitroquinoline-n-oxide	mg/kg	0.5	<7.5	<7.5	0
	2-methyl-5-nitroaniline	mg/kg	0.5	<7.5	<7.5	0
	7,12-Dimethylbenz(a)anthracene	mg/kg	0.5	<7.5	<7.5	0
	a-BHC	mg/kg	0.5	<7.5	<7.5	0
	Acenaphthene	mg/kg	0.5	<7.5	<7.5	0
	Acenaphthylene	mg/kg	0.5	<7.5	<7.5	0
	Acetophenone	mg/kg	0.5	<7.5	<7.5	0
	Aldrin	mg/kg	0.5	<7.5	<7.5	0
	Aniline	mg/kg	0.5	<7.5	<7.5	0
	Anthracene	mg/kg	0.5	<7.5	<7.5	0
	Azobenzene	mg/kg	1	<15	<15	0
	b-BHC	mg/kg	0.5	<7.5	<7.5	0
	Benz(a)anthracene	mg/kg	0.5	<7.5	<7.5	0
	Benzo(a)pyrene	mg/kg	0.5	<7.5	<7.5	0
	Benzo(b)&(k)fluoranthene	mg/kg	1	<15	<15	0
	Benzo(g,h,i)perylene	mg/kg	0.5	<7.5	<7.5	0
	Bis(2-chloroethoxy) methane	mg/kg	0.5	<7.5	<7.5	0
	Bis(2-chloroisopropoxy) ether	mg/kg	0.5	<7.5	<7.5	0
	Bis(2-ethylhexyl) phthalate	mg/kg	5	<75	<75	0
	Butylbenzyl phthalate	mg/kg	0.5	<7.5	<7.5	0
	Carbazole	mg/kg	0.5	<7.5	<7.5	0
	Chlorofeniphos	mg/kg	0.5	<7.5	<7.5	0
	Chlorobenzilate	mg/kg	0.5	<7.5	<7.5	0
	Chlorpyrifos	mg/kg	0.5	<7.5	<7.5	0
	Chlorpyrifos-methyl	mg/kg	0.5	<7.5	<7.5	0
	Chrysene	mg/kg	0.5	<7.5	<7.5	0
	d-BHC	mg/kg	0.5	<7.5	<7.5	0
	DDD	mg/kg	0.5	<7.5	<7.5	0
	DDE	mg/kg	0.5	<7.5	<7.5	0
	DDT	mg/kg	1	<15	<15	0
	Diazinon	mg/kg	0.5	<7.5	<7.5	0
	Dibenz(a,h)anthracene	mg/kg	0.5	<7.5	<7.5	0
	Dibenzofuran	mg/kg	0.5	<7.5	<7.5	0
	Dichlorvos	mg/kg	0.5	<7.5	<7.5	0
	Dieldrin	mg/kg	0.5	<7.5	<7.5	0
	Diethyl phthalate	mg/kg	0.5	<7.5	<7.5	0
	Dimethoate	mg/kg	0.5	<7.5	<7.5	0
	Dimethyl phthalate	mg/kg	0.5	<7.5	<7.5	0
	Di-n-butyl phthalate	mg/kg	0.5	<7.5	<7.5	0
	Di-n-octyl phthalate	mg/kg	0.5	<7.5	<7.5	0
	Endosulfan I	mg/kg	0.5	<7.5	<7.5	0
	Endosulfan II	mg/kg	0.5	<7.5	<7.5	0
	Endosulfan sulphate	mg/kg	0.5	<7.5	<7.5	0
	Endrin	mg/kg	0.5	<7.5	<7.5	0
	Ethion	mg/kg	0.5	<7.5	<7.5	0
	Fenthion	mg/kg	0.5	<7.5	<7.5	0
	Fluoranthene	mg/kg	0.5	<7.5	<7.5	0
	Fluorene	mg/kg	0.5	<7.5	<7.5	0
	g-BHC	mg/kg	0.5	<7.5	<7.5	0
	Heptachlor	mg/kg	0.5	<7.5	<7.5	0
	Heptachlor epoxide	mg/kg	0.5	<7.5	<7.5	0
	Hexachlorobenzene	mg/kg	1	<15	<15	0
	Hexachlorocyclopentadiene	mg/kg	2.5	<37.5	<37.5	0
	Hexachloropropene	mg/kg	0.5	<7.5	<7.5	0
	Indeno(1,2,3-c,d)pyrene	mg/kg	0.5	<7.5	<7.5	0
	Isophorone	mg/kg	0.5	<7.5	<7.5	0
	Malathion	mg/kg	0.5	<7.5	<7.5	0
	Methacrylene	mg/kg	0.5	<7.5	<7.5	0
	Naphthalene	mg/kg	0.5	<7.5	<7.5	0
	Nitrobenzene	mg/kg	0.5	<7.5	<7.5	0
	n-Nitrosodiethylamine	mg/kg	0.5	<7.5	<7.5	0



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Table H10 - Sediment Results
Relative Percentage Difference

Field_ID	Sampled Date-Time	EM1201358			EM1201358		
		SD10 - 10110/8010	Dup2 - 10110/8811	RPD	SD10 - 10110/8010	Dup2 - 10110/8811	RPD
	N-Nitrosodi-n-butylamine	mg/kg 0.5	<7.5	<7.5	0		
	N-Nitrosodi-n-propylamine	mg/kg 0.5	<7.5	<7.5	0		
	n-Nitrosodiphenylamine & Diphenylamine	mg/kg	<15	<15	0		
	n-Nitrosomethylethylamine	mg/kg 0.5	<7.5	<7.5	0		
	n-Nitrosomorpholine	mg/kg 0.5	<7.5	<7.5	0		
	N-Nitrosopiperidine	mg/kg 0.5	<7.5	<7.5	0		
	n-Nitrosopyrrolidine	mg/kg 1	<15	<15	0		
	Phenanthrene	mg/kg 0.5	<7.5	<7.5	0		
	Pentachlorobenzene	mg/kg 0.5	<7.5	<7.5	0		
	Pentachloronitrobenzene	mg/kg 0.5	<7.5	<7.5	0		
	Phenacetin	mg/kg 0.5	<7.5	<7.5	0		
	Pyrene	mg/kg 0.5	10.2	10.1	1		
	Phenol	mg/kg 0.5	<7.5	<7.5	0		
	Pirimphos-ethyl	mg/kg 0.5	<7.5	<7.5	0		
	Prothiophos	mg/kg 0.5	<7.5	<7.5	0		
	PAH (Sum of Common 16 PAHs - Lab Reported)	mg/kg 0.5	10.2	10.1	1		
Total Mercury by FIMS (Low Level)	Mercury	mg/kg 0.01	<0.01	<0.01	0		
Total Metals in Sediments by ICPMS	Arsenic	mg/kg 1	1.35	6.27	129		
	Cadmium	mg/kg 0.1	0.2	0.2	0		
	Chromium	mg/kg 1	22.1	33.5	41		
	Copper	mg/kg 1	12.6	12	5		
	Lead	mg/kg 1	81.7	96.6	17		
	Nickel	mg/kg 1	9.7	13.7	34		
	Zinc	mg/kg 1	136	120	13		
Total Organic Carbon	Total Organic Carbon	mg/kg 200	19500	21200	8		
TPH - Semivolatile Fraction	TPH C10 - C14 Fraction	mg/kg 3	214	246	14		
	TPH C15 - C28 Fraction	mg/kg 3	1860	2090	12		
	TPH C29-C36 Fraction	mg/kg 5	450	396	13		
	TPH-C10 - C36 (Sum of total) (Lab Reported)	mg/kg 3	2520	2730	8		
TPH Volatiles/BTEX	Benzene	mg/kg 0.2			<0.2	<0.2	0
	Ethylbenzene	mg/kg 0.5			<0.5	<0.5	0
	Naphthalene	mg/kg 1			<1	<1	0
	Toluene	mg/kg 0.5			<0.5	<0.5	0
	TPH C 6 - C 9 Fraction	mg/kg 10			71	88	21
	C6 - C10 Fraction	mg/kg 10			96	118	21
	Xylenes (m & p)	mg/kg 0.5			1.4	1.9	30
	Xylene (o)	mg/kg 0.5			<0.5	<0.5	0
	Xylenes (Sum of total)	mg/kg 0.5			1.4	1.9	30
	Total BTEX	mg/kg 0.2			1.4	1.9	30
Volatile Organic Compounds	1,1,1,2-Tetrachloroethane	mg/kg 0.5			<0.5	<0.5	0
	1,1,2,2-Tetrachloroethane	mg/kg 0.5			<0.5	<0.5	0
	1,1,1-Trichloroethane	mg/kg 0.5			<0.5	<0.5	0
	1,1,2-Trichloroethane	mg/kg 0.5			<0.5	<0.5	0
	1,2,3-Trichloropropane	mg/kg 0.5			<0.5	<0.5	0
	1,2-Dibromo-3-chloropropane	mg/kg 0.5			<0.5	<0.5	0
	1,2-Dibromoethane	mg/kg 0.5			<0.5	<0.5	0
	1,1-Dichloroethane	mg/kg 0.5			<0.5	<0.5	0
	1,2-Dichloroethane	mg/kg 0.5			<0.5	<0.5	0
	1,1-Dichloroethene	mg/kg 0.5			<0.5	<0.5	0
	1,2,3-Trichlorobenzene	mg/kg 0.5			<0.5	<0.5	0
	cis-1,2-Dichloroethene	mg/kg 0.5			<0.5	<0.5	0
	trans-1,2-dichloroethene	mg/kg 0.5			<0.5	<0.5	0
	1,2-Dichloropropane	mg/kg 0.5			<0.5	<0.5	0
	1,2,4-Trichlorobenzene	mg/kg 0.5			<0.5	<0.5	0
	1,3-Dichloropropane	mg/kg 0.5			<0.5	<0.5	0
	1,2,4-trimethylbenzene	mg/kg 0.5			3	3.7	21
	2,2-Dichloropropane	mg/kg 0.5			<0.5	<0.5	0
	1,1-Dichloropropene	mg/kg 0.5			<0.5	<0.5	0
	cis-1,3-Dichloropropene	mg/kg 0.5			<0.5	<0.5	0
	trans-1,3-dichloropropene	mg/kg 0.5			<0.5	<0.5	0
	1,2-Dichlorobenzene	mg/kg 0.5			<0.5	<0.5	0
	cis-1,4-Dichloro-2-butene	mg/kg 0.5			<0.5	<0.5	0
	trans-1,4-Dichloro-2-butene	mg/kg 0.5			<0.5	<0.5	0
	1,3,5-Trimethylbenzene	mg/kg 0.5			1.3	1.6	21
	1,3-Dichlorobenzene	mg/kg 0.5			<0.5	<0.5	0
	Bromodichloromethane	mg/kg 0.5			<0.5	<0.5	0
	Bromoform	mg/kg 0.5			<0.5	<0.5	0
	Bromomethane	mg/kg 5			<5	<5	0
	1,4-Dichlorobenzene	mg/kg 0.5			<0.5	<0.5	0
	Carbon disulfide	mg/kg 0.5			<0.5	<0.5	0
	Carbon tetrachloride	mg/kg 0.5			<0.5	<0.5	0
	Chlorodibromomethane	mg/kg 0.5			<0.5	<0.5	0
	Chloroethane	mg/kg 5			<5	<5	0
	Chloroform	mg/kg 0.5			<0.5	<0.5	0
	Chloromethane	mg/kg 5			<5	<5	0
	Dibromomethane	mg/kg 0.5			<0.5	<0.5	0
	Dichlorodifluoromethane	mg/kg 5			<5	<5	0
	Hexachlorobutadiene	mg/kg 0.5			<0.5	<0.5	0
	Iodomethane	mg/kg 0.5			<0.5	<0.5	0
	Pentachloroethane	mg/kg 0.5			<0.5	<0.5	0
	Trichloroethene	mg/kg 0.5			<0.5	<0.5	0
	Tetrachloroethane	mg/kg 0.5			<0.5	<0.5	0
	Trichlorofluoromethane	mg/kg 5			<5	<5	0
	Vinyl chloride	mg/kg 5			<5	<5	0
	Methyl Ethyl Ketone	mg/kg 5			<5	<5	0
	2-Chlorotoluene	mg/kg 0.5			<0.5	<0.5	0
	2-Hexanone	mg/kg 5			<5	<5	0
	4-Chlorotoluene	mg/kg 0.5			<0.5	<0.5	0
	4-Methyl-2-pentanone	mg/kg 5			<5	<5	0
	Bromobenzene	mg/kg 0.5			<0.5	<0.5	0
	Chlorobenzene	mg/kg 0.5			<0.5	<0.5	0
	Isopropylbenzene	mg/kg 0.5			<0.5	<0.5	0
	Naphthalene	mg/kg 5			<5	<5	0
	n-Butylbenzene	mg/kg 0.5			<0.5	<0.5	0
	n-Propylbenzene	mg/kg 0.5			<0.5	<0.5	0
	p-Isopropyltoluene	mg/kg 0.5			<0.5	<0.5	0
	sec-Butylbenzene	mg/kg 0.5			<0.5	<0.5	0
	Styrene	mg/kg 0.5			<0.5	<0.5	0
	tert-Butylbenzene	mg/kg 0.5			<0.5	<0.5	0
	Vinyl acetate	mg/kg 5			<5	<5	0

*RPDs have only been considered where a concentration is greater than 0 times the EQL.

**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (0-10 x EQL); 50 (10-30 x EQL); 50 (> 30 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory



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Table H10 - Sediment Results
Relative Percentage Difference

		SDG		EM1201412	EM1201412	
		Field ID	Sampled Date-Time	SD10-10110/8010	DUP2-10110/8811	RPD
			8/02/2012	8/02/2012		
Method Type	ChemName	Units	LOR			
Moisture Content	Moisture	%	1			
Organochlorine Pesticides (Ultra-trace)	a-BHC	mg/kg	0.0005			
	Aldrin	mg/kg	0.0005			
	b-BHC	mg/kg	0.0005			
	Chlordane (Sum of total)	mg/kg	0.00025			
	cis-Chlordane	mg/kg	0.00025			
	trans-Chlordane	mg/kg	0.00025			
	d-BHC	mg/kg	0.0005			
	DDD	mg/kg	0.0005			
	DDE	mg/kg	0.0005			
	DDT	mg/kg	0.0005			
	DDT+DDE+DDD (Sum of total)	mg/kg	0.0005			
	Dieldrin	mg/kg	0.0005			
	Endosulfan	mg/kg	0.0005			
	Endosulfan I	mg/kg	0.0005			
	Endosulfan II	mg/kg	0.0005			
	Endosulfan sulphate	mg/kg	0.0005			
	Endrin	mg/kg	0.0005			
	Endrin aldehyde	mg/kg	0.0005			
	Endrin ketone	mg/kg	0.0005			
	g-BHC	mg/kg	0.00025			
	Heptachlor	mg/kg	0.0005			
	Heptachlor epoxide	mg/kg	0.0005			
	Hexachlorobenzene	mg/kg	0.0005			
	Methoxychlor	mg/kg	0.0005			
	Oxychlorane	mg/kg	0.0005			
Organophosphorus Pesticides (Ultra-trace)	Azinphos-methyl	mg/kg	0.01			
	Bromophos-ethyl	mg/kg	0.01			
	Carbophenothion	mg/kg	0.01			
	Chlorfenvinphos E	mg/kg	0.01			
	Chlorpyrifos	mg/kg	0.01			
	Chlorpyrifos-methyl	mg/kg	0.01			
	cis-Chlorfenvinphos	mg/kg	0.01			
	Demeton-s-methyl	mg/kg	0.01			
	Diazinon	mg/kg	0.01			
	Dichlorvos	mg/kg	0.01			
	Dimethoate	mg/kg	0.01			
	Ethion	mg/kg	0.01			
	Fenamiphos	mg/kg	0.01			
	Fenthion	mg/kg	0.01			
	Malathion	mg/kg	0.01			
	Parathion-methyl	mg/kg	0.01			
	Monocrotophos	mg/kg	0.01			
	Parathion	mg/kg	0.01			
	Pirimphos-ethyl	mg/kg	0.01			
	Prothiotos	mg/kg	0.01			
PCBs (Ultra-trace)	Aroclor 1016	mg/kg	0.005			
	Aroclor 1232	mg/kg	0.005			
	Aroclor 1242	mg/kg	0.005			
	Aroclor 1248	mg/kg	0.005			
	Aroclor 1254	mg/kg	0.005			
	Aroclor 1260	mg/kg	0.005			
	Aroclor 1221	mg/kg	0.005			
	PCB (Sum of Total-Lab Reported)	mg/kg	0.005			
PCDDs and PCDFs by GC/HRMS	1,2,3,7,8-PeCDD	pg/g	1.25	<2.5	<2.5	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<0.5	<0.5	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<0.0E0	<0.0E0	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<0.63	<0.62	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<1.25	<1.24	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<2.5	<2.5	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<1	<1	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<0.0E0	<0.0E0	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<1.25	<1.24	0
	1,2,3,7,8-PeCDD	pg/g	1.25	<2.5	<2.49	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<2.5	<2.5	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.1	<0.1	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.0E0	<0.0E0	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.13	<0.12	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.25	<0.25	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<2.5	<2.5	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.1	<0.1	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.0E0	<0.0E0	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.13	<0.12	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.25	<0.25	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<2.5	<2.5	0
	1,2,3,4,7,8-HxCDD	pg/g	1.25	<0.1	<0.1	0
	1,2,3,6,7,8-HxCDD	pg/g	1.25	2.8	<2.5	11
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.1	<0.1	0
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.28	<0.0E0	200
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.28	<0.12	80
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.28	<0.25	11
	1,2,3,6,7,8-HxCDD	pg/g	1.25	2.5	<2.5	0
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.1	<0.1	0
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.28	<0.0E0	200
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.28	<0.12	80
	1,2,3,6,7,8-HxCDD	pg/g	1.25	0.28	<0.25	11
	1,2,3,7,8,9-HxCDD	pg/g	1.25	2.9	<2.5	15
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.1	<0.1	0
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.29	<0.0E0	200
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.29	<0.12	83
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.29	<0.25	15
	1,2,3,7,8,9-HxCDD	pg/g	1.25	2.5	<2.5	0
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.1	<0.1	0
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.29	<0.0E0	200
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.29	<0.12	83
	1,2,3,7,8,9-HxCDD	pg/g	1.25	0.29	<0.25	15
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	77.6	25.2	102
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	0.01	0.01	0
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	0.78	0.25	103
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	0.78	0.25	103
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	0.78	0.25	103
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	2.5	2.5	0
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	0.01	0.01	0
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	0.78	0.25	103
	1,2,3,4,6,7,8-HpCDD	pg/g	1.25	0.78	0.25	103
	OCDD	pg/g	5	1110	325	109
	OCDD	pg/g	5	0.001	0.001	0
	OCDD	pg/g	5	1.11	0.33	108
	OCDD	pg/g	5	1.11	0.33	108



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Table H10 - Sediment Results
Relative Percentage Difference

SDG Field ID	EM1201412 SD10-10110/8010	EM1201412 DUP2-10110/8811	RPD		
				Sampled Date-Time	8/02/2012
OCDD	pg/g	5	1.11	0.33	108
OCDD	pg/g	5	10	10	0
OCDD	pg/g	5	0.0003	0.0003	0
OCDD	pg/g	5	0.33	0.1	107
OCDD	pg/g	5	0.33	0.1	107
OCDD	pg/g	5	0.33	0.1	107
2,3,7,8-TCDF	pg/g	0.25	1	<0.5	67
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.1	0
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.0E0	200
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.02	133
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.05	67
2,3,7,8-TCDF	pg/g	0.25	0.5	<0.5	0
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.1	0
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.0E0	200
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.02	133
2,3,7,8-TCDF	pg/g	0.25	0.1	<0.05	67
1,2,3,7,8-PeCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.05	<0.05	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.06	<0.06	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,7,8-PeCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.03	<0.03	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.04	<0.04	0
1,2,3,7,8-PeCDF	pg/g	1.25	<0.08	<0.07	0
2,3,4,7,8-PeCDF	pg/g	1.25	<2.5	<2.5	0
2,3,4,7,8-PeCDF	pg/g	1.25	<0.5	<0.5	0
2,3,4,7,8-PeCDF	pg/g	1.25	<0.0E0	<0.0E0	0
2,3,4,7,8-PeCDF	pg/g	1.25	<0.63	<0.62	0
2,3,4,7,8-PeCDF	pg/g	1.25	<1.25	<1.24	0
2,3,4,7,8-PeCDF	pg/g	1.25	<2.5	<2.5	0
2,3,4,7,8-PeCDF	pg/g	1.25	<0.3	<0.3	0
2,3,4,7,8-PeCDF	pg/g	1.25	<0.0E0	<0.0E0	0
2,3,4,7,8-PeCDF	pg/g	1.25	<0.38	<0.37	0
2,3,4,7,8-PeCDF	pg/g	1.25	<0.75	<0.75	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.1	<0.1	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.25	<0.25	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.1	<0.1	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,4,7,8-HxCDF	pg/g	1.25	<0.25	<0.25	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.5	<0.5	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<1	<1	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.0E0	<0.0E0	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.25	<0.25	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.5	<0.5	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.5	<0.5	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<1	<1	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.0E0	<0.0E0	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.25	<0.25	0
2,3,7,8-Tetrachlorooxanthrene	pg/g	0.25	<0.5	<0.5	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.1	<0.1	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.25	<0.25	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.1	<0.1	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<0.25	<0.25	0
1,2,3,6,7,8-HxCDF	pg/g	1.25	<2.5	<2.5	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.1	<0.1	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.13	<0.12	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.25	<0.25	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<2.5	<2.5	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.1	<0.1	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.13	<0.12	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<0.25	<0.25	0
2,3,4,6,7,8-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.1	<0.1	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.25	<0.25	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.1	<0.1	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.25	<0.25	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.1	<0.1	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.13	<0.12	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<0.25	<0.25	0
1,2,3,7,8,9-HxCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	12.8	4.6	94
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.01	0.01	0
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.13	0.05	89
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.13	0.05	89
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.13	0.05	89
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	2.5	2.5	0
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.01	0.01	0
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.13	0.05	89
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.13	0.05	89
1,2,3,4,6,7,8-HpCDF	pg/g	1.25	0.13	0.05	89
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.01	<0.01	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.01	<0.01	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.03	<0.02	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<2.5	<2.5	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.01	<0.01	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.0E0	<0.0E0	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.01	<0.01	0
1,2,3,4,7,8,9-HpCDF	pg/g	1.25	<0.03	<0.02	0
OCDF	pg/g	2.5	16.9	<5	109
OCDF	pg/g	2.5	0.001	<0.001	0
OCDF	pg/g	2.5	0.02	<0.0E0	200
OCDF	pg/g	2.5	0.02	<0.0E0	200
OCDF	pg/g	2.5	0.02	<0.0E0	200
OCDF	pg/g	2.5	5	<5	0
OCDF	pg/g	2.5	0.0003	<0.0003	0

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 Preliminary Site Assessment

 Table H10 - Sediment Results
 Relative Percentage Difference

SDG	Field_ID	Sampled Date-Time	EM1201412		RPD
			SD10-10110/8010	EM1201412	
			8/02/2012	DUP2-10110/8811 8/02/2012	
	OCDP	pg/g 2.5	0.01	<0.0E0	200
	OCDP	pg/g 2.5	0.01	<0.0E0	200
	OCDP	pg/g 2.5	0.01	<0.0E0	200
	Total TEQ	mg/kg 0	0.0000027	6.2E-7	125
	Total TEQ	mg/kg 0	0.0000049	0.00000309	45
	Total TEQ	mg/kg 0	0.0000071	0.00000555	25
	Total TEQ	mg/kg 0	0.00000191	4.0E-7	131
	Total TEQ	mg/kg 0	0.00000446	0.00000321	33
	Total TEQ	mg/kg 0	0.00000701	0.00000602	15
Perchlorate in Soils and Sediments by LC/MS	Perchlorate	mg/kg 0.01			
Perfluorooctyl Acids and Sulfonates by LC/MS/MS	6:2 Fluorotelomer Sulfonate (6:2 FIS)	mg/kg 0.005			
	Perfluorooctanoate	mg/kg 0.0005			
	PFOS	mg/kg 0.0005			
Semivolatile Organic Compounds	1,3,5-Trinitrobenzene	mg/kg 0.5			
	2,4,5-Trichlorophenol	mg/kg 0.5			
	2,4,6-Trichlorophenol	mg/kg 0.5			
	2,4-Dinitrotoluene	mg/kg 1			
	2,4-Dichlorophenol	mg/kg 0.5			
	2,6-Dinitrotoluene	mg/kg 1			
	2,6-Dichlorophenol	mg/kg 0.5			
	2-Chlorophenol	mg/kg 0.5			
	1,2,4-Trichlorobenzene	mg/kg 0.5			
	4-Chloro-3-methylphenol	mg/kg 0.5			
	1,2-Dichlorobenzene	mg/kg 0.5			
	Pentachlorophenol	mg/kg 1			
	1,3-Dichlorobenzene	mg/kg 0.5			
	1,4-Dichlorobenzene	mg/kg 0.5			
	Hexachlorobutadiene	mg/kg 0.5			
	Hexachloroethane	mg/kg 0.5			
	Pronamide	mg/kg 0.5			
	1-Naphthylamine	mg/kg 0.5			
	2-(Acetylamino) fluorene	mg/kg 0.5			
	2,4-Dimethylphenol	mg/kg 0.5			
	2-Chloronaphthalene	mg/kg 0.5			
	2-Methylnaphthalene	mg/kg 0.5			
	2-Methylphenol	mg/kg 0.5			
	2-Nitroaniline	mg/kg 1			
	2-Nitrophenol	mg/kg 0.5			
	2-Picoline	mg/kg 0.5			
	3- & 4- Methylphenol	mg/kg 0.5			
	3,3-Dichlorobenzidine	mg/kg 0.5			
	3-Methylcholanthrene	mg/kg 0.5			
	3-Nitroaniline	mg/kg 1			
	4-(Dimethylamino) azobenzene	mg/kg 0.5			
	4-Aminobiphenyl	mg/kg 0.5			
	4-Bromophenyl phenyl ether	mg/kg 0.5			
	4-Chloroaniline	mg/kg 0.5			
	4-Chlorophenyl phenyl ether	mg/kg 0.5			
	4-Nitroaniline	mg/kg 0.5			
	4-Nitroquinoline-n-oxide	mg/kg 0.5			
	2-methyl-5-nitroaniline	mg/kg 0.5			
	7,12-Dimethylbenz(a)anthracene	mg/kg 0.5			
	a-BHC	mg/kg 0.5			
	Acenaphthene	mg/kg 0.5			
	Acenaphthylene	mg/kg 0.5			
	Acetophenone	mg/kg 0.5			
	Aldrin	mg/kg 0.5			
	Aniline	mg/kg 0.5			
	Anthracene	mg/kg 0.5			
	Azobenzene	mg/kg 1			
	b-BHC	mg/kg 0.5			
	Benz(a)anthracene	mg/kg 0.5			
	Benzo(a)pyrene	mg/kg 0.5			
	Benzo(b)&(k)fluoranthene	mg/kg 1			
	Benzo(g,h,i)perylene	mg/kg 0.5			
	Bis(2-chloroethoxy) methane	mg/kg 0.5			
	Bis(2-chloroisopropyl) ether	mg/kg 0.5			
	Bis(2-ethylhexyl) phthalate	mg/kg 5			
	Butylbenzyl phthalate	mg/kg 0.5			
	Carbazole	mg/kg 0.5			
	Chlorofeniphos	mg/kg 0.5			
	Chlorobenzilate	mg/kg 0.5			
	Chlorpyrifos	mg/kg 0.5			
	Chlorpyrifos-methyl	mg/kg 0.5			
	Chrysene	mg/kg 0.5			
	d-BHC	mg/kg 0.5			
	DDD	mg/kg 0.5			
	DDE	mg/kg 0.5			
	DDT	mg/kg 1			
	Diazinon	mg/kg 0.5			
	Dibenz(a,h)anthracene	mg/kg 0.5			
	Dibenzofuran	mg/kg 0.5			
	Dichlorvos	mg/kg 0.5			
	Dieldrin	mg/kg 0.5			
	Diethyl phthalate	mg/kg 0.5			
	Dimethoate	mg/kg 0.5			
	Dimethyl phthalate	mg/kg 0.5			
	Di-n-butyl phthalate	mg/kg 0.5			
	Di-n-octyl phthalate	mg/kg 0.5			
	Endosulfan I	mg/kg 0.5			
	Endosulfan II	mg/kg 0.5			
	Endosulfan sulphate	mg/kg 0.5			
	Endrin	mg/kg 0.5			
	Ethion	mg/kg 0.5			
	Fenthion	mg/kg 0.5			
	Fluoranthene	mg/kg 0.5			
	Fluorene	mg/kg 0.5			
	g-BHC	mg/kg 0.5			
	Heptachlor	mg/kg 0.5			
	Heptachlor epoxide	mg/kg 0.5			
	Hexachlorobenzene	mg/kg 1			
	Hexachlorocyclopentadiene	mg/kg 2.5			
	Hexachloropropene	mg/kg 0.5			
	Indeno(1,2,3-c,d)pyrene	mg/kg 0.5			
	Isophorone	mg/kg 0.5			
	Malathion	mg/kg 0.5			
	Methacrylene	mg/kg 0.5			
	Naphthalene	mg/kg 0.5			
	Nitrobenzene	mg/kg 0.5			
	n-Nitrosodiethylamine	mg/kg 0.5			

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 Table H10 - Sediment Results
 Relative Percentage Difference

SDG	Field ID	Sampled Date-Time	EM1201412	EM1201412	RPD
			SD10-10110/8010	DUP2-10110/8811	
			8/02/2012	8/02/2012	
		N-Nitrosodi-n-butylamine	mg/kg	0.5	
		N-Nitrosodi-n-propylamine	mg/kg	0.5	
		n-Nitrosodiphenylamine & Diphenylamine	mg/kg	0.5	
		n-Nitrosomethylethylamine	mg/kg	0.5	
		n-Nitrosomorpholine	mg/kg	0.5	
		N-Nitrosopiperidine	mg/kg	0.5	
		n-Nitrosopyrrolidine	mg/kg	1	
		Phenanthrene	mg/kg	0.5	
		Pentachlorobenzene	mg/kg	0.5	
		Pentachloronitrobenzene	mg/kg	0.5	
		Phenacetin	mg/kg	0.5	
		Pyrene	mg/kg	0.5	
		Phenol	mg/kg	0.5	
		Pirimphos-ethyl	mg/kg	0.5	
		Prothiophos	mg/kg	0.5	
		PAH (Sum of Common 16 PAHs - Lab Reported)	mg/kg	0.5	
Total Mercury by FIMS (Low Level)		Mercury	mg/kg	0.01	
Total Metals in Sediments by ICPMS		Arsenic	mg/kg	1	
		Cadmium	mg/kg	0.1	
		Chromium	mg/kg	1	
		Copper	mg/kg	1	
		Lead	mg/kg	1	
		Nickel	mg/kg	1	
		Zinc	mg/kg	1	
Total Organic Carbon		Total Organic Carbon	mg/kg	200	
TPH - Semivolatile Fraction		TPH C10 - C14 Fraction	mg/kg	3	
		TPH C15 - C28 Fraction	mg/kg	3	
		TPH C29-C36 Fraction	mg/kg	5	
		TPH-C10 - C36 (Sum of total) (Lab Reported)	mg/kg	3	
TPH Volatiles/BTEX		Benzene	mg/kg	0.2	
		Ethylbenzene	mg/kg	0.5	
		Naphthalene	mg/kg	1	
		Toluene	mg/kg	0.5	
		TPH C 6 - C 9 Fraction	mg/kg	10	
		C6 - C10 Fraction	mg/kg	10	
		Xylenes (m & p)	mg/kg	0.5	
		Xylene (o)	mg/kg	0.5	
		Xylenes (Sum of total)	mg/kg	0.5	
		Total BTEX	mg/kg	0.2	
Volatile Organic Compounds		1,1,1,2-Tetrachloroethane	mg/kg	0.5	
		1,1,2,2-Tetrachloroethane	mg/kg	0.5	
		1,1,1-Trichloroethane	mg/kg	0.5	
		1,1,2-Trichloroethane	mg/kg	0.5	
		1,2,3-Trichloropropane	mg/kg	0.5	
		1,2-Dibromo-3-chloropropane	mg/kg	0.5	
		1,2-Dibromoethane	mg/kg	0.5	
		1,1-Dichloroethane	mg/kg	0.5	
		1,2-Dichloroethane	mg/kg	0.5	
		1,1-Dichloroethene	mg/kg	0.5	
		1,2,3-Trichlorobenzene	mg/kg	0.5	
		cis-1,2-Dichloroethene	mg/kg	0.5	
		trans-1,2-dichloroethene	mg/kg	0.5	
		1,2-Dichloropropane	mg/kg	0.5	
		1,2,4-Trichlorobenzene	mg/kg	0.5	
		1,3-Dichloropropane	mg/kg	0.5	
		1,2,4-trimethylbenzene	mg/kg	0.5	
		2,2-Dichloropropane	mg/kg	0.5	
		1,1-Dichloropropene	mg/kg	0.5	
		cis-1,3-Dichloropropene	mg/kg	0.5	
		trans-1,3-dichloropropene	mg/kg	0.5	
		1,2-Dichlorobenzene	mg/kg	0.5	
		cis-1,4-Dichloro-2-butene	mg/kg	0.5	
		trans-1,4-Dichloro-2-butene	mg/kg	0.5	
		1,3,5-Trimethylbenzene	mg/kg	0.5	
		1,3-Dichlorobenzene	mg/kg	0.5	
		Bromodichloromethane	mg/kg	0.5	
		Bromofrom	mg/kg	0.5	
		Bromomethane	mg/kg	5	
		1,4-Dichlorobenzene	mg/kg	0.5	
		Carbon disulfide	mg/kg	0.5	
		Carbon tetrachloride	mg/kg	0.5	
		Chlorodibromomethane	mg/kg	0.5	
		Chloroethane	mg/kg	5	
		Chloroform	mg/kg	0.5	
		Chloromethane	mg/kg	5	
		Dibromomethane	mg/kg	0.5	
		Dichlorodifluoromethane	mg/kg	5	
		Hexachlorobutadiene	mg/kg	0.5	
		Iodomethane	mg/kg	0.5	
		Pentachloroethane	mg/kg	0.5	
		Trichloroethene	mg/kg	0.5	
		Tetrachloroethene	mg/kg	0.5	
		Trichlorofluoromethane	mg/kg	5	
		Vinyl chloride	mg/kg	5	
		Methyl Ethyl Ketone	mg/kg	5	
		2-Chlorotoluene	mg/kg	0.5	
		2-Hexanone	mg/kg	5	
		4-Chlorotoluene	mg/kg	0.5	
		4-Methyl-2-pentanone	mg/kg	5	
		Bromobenzene	mg/kg	0.5	
		Chlorobenzene	mg/kg	0.5	
		Isopropylbenzene	mg/kg	0.5	
		Naphthalene	mg/kg	5	
		n-Butylbenzene	mg/kg	0.5	
		n-Propylbenzene	mg/kg	0.5	
		p-Isopropyltoluene	mg/kg	0.5	
		sec-Butylbenzene	mg/kg	0.5	
		Styrene	mg/kg	0.5	
		tert-Butylbenzene	mg/kg	0.5	
		Vinyl acetate	mg/kg	5	

*RPDs have only been considered where a concentration is greater than 0 times the EQL.

**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (0-10 x EQL); 50 (10-30 x EQL); 50 (> 30 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those



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Table H11 - Surface Water Results
Relative Percentage Difference

Method Type	ChemName	Units	LOR	SDG	EM1201357	EM1201357	RPD
				Field_ID	SW6-1016/6006	DUP1_1016/6807	
				Sampled Date-Time	8/02/2012	8/02/2012	
Dissolved Mercury by FIMS	Mercury (Filtered)	mg/l	0.0001		<-0.0001	<-0.0001	0
Dissolved Metals by ICP-MS - Suite A	Arsenic (Filtered)	mg/l	0.001		0.001	<-0.001	0
	Cadmium (Filtered)	mg/l	0.0001		0.0004	0.0003	29
	Chromium (Filtered)	mg/l	0.001		<-0.001	<-0.001	0
	Copper (Filtered)	mg/l	0.001		0.002	-0.001	67
	Lead (Filtered)	mg/l	0.001		<-0.001	<-0.001	0
	Nickel (Filtered)	mg/l	0.001		0.004	0.004	0
	Zinc (Filtered)	mg/l	0.005		0.026	0.012	74
Perchlorate by LC/MS	Perchlorate	mg/l	0.0002		<-0.0002	<-0.0002	0
Pesticides by GCMS	a-BHC	mg/l	0.0005		<-0.0005	<-0.0005	0
	Aldrin	mg/l	0.0005		<-0.0005	<-0.0005	0
	Azinphos-methyl	mg/l	0.0005		<-0.0005	<-0.0005	0
	b-BHC	mg/l	0.0005		<-0.0005	<-0.0005	0
	Bromophos-ethyl	mg/l	0.0005		<-0.0005	<-0.0005	0
	Carbophenothion	mg/l	0.0005		<-0.0005	<-0.0005	0
	cis-Chlordane	mg/l	0.0005		<-0.0005	<-0.0005	0
	trans-Chlordane	mg/l	0.0005		<-0.0005	<-0.0005	0
	Chlorfenvinphos	mg/l	0.0005		<-0.0005	<-0.0005	0
	Chlorpyrifos	mg/l	0.0005		<-0.0005	<-0.0005	0
	Chlorpyrifos-methyl	mg/l	0.0005		<-0.0005	<-0.0005	0
	d-BHC	mg/l	0.0005		<-0.0005	<-0.0005	0
	DDD	mg/l	0.0005		<-0.0005	<-0.0005	0
	DDE	mg/l	0.0005		<-0.0005	<-0.0005	0
	DDT	mg/l	0.002		<-0.002	<-0.002	0
	Demeton-s-methyl	mg/l	0.0005		<-0.0005	<-0.0005	0
	Diazinon	mg/l	0.0005		<-0.0005	<-0.0005	0
	Dichlorvos	mg/l	0.0005		<-0.0005	<-0.0005	0
	Dieldrin	mg/l	0.0005		<-0.0005	<-0.0005	0
	Dimethoate	mg/l	0.0005		<-0.0005	<-0.0005	0
	Endosulfan I	mg/l	0.0005		<-0.0005	<-0.0005	0
	Endosulfan II	mg/l	0.0005		<-0.0005	<-0.0005	0
	Endosulfan sulphate	mg/l	0.0005		<-0.0005	<-0.0005	0
	Endrin	mg/l	0.0005		<-0.0005	<-0.0005	0
	Endrin aldehyde	mg/l	0.0005		<-0.0005	<-0.0005	0
	Endrin ketone	mg/l	0.0005		<-0.0005	<-0.0005	0
	Ethion	mg/l	0.0005		<-0.0005	<-0.0005	0
	Fenamiphos	mg/l	0.0005		<-0.0005	<-0.0005	0
	Fenthion	mg/l	0.0005		<-0.0005	<-0.0005	0
	g-BHC	mg/l	0.0005		<-0.0005	<-0.0005	0
	Heptachlor	mg/l	0.0005		<-0.0005	<-0.0005	0
	Heptachlor epoxide	mg/l	0.0005		<-0.0005	<-0.0005	0
	Hexachlorobenzene	mg/l	0.0005		<-0.0005	<-0.0005	0
Malathion	mg/l	0.0005		<-0.0005	<-0.0005	0	
Methoxychlor	mg/l	0.002		<-0.002	<-0.002	0	
Parathion-methyl	mg/l	0.002		<-0.002	<-0.002	0	
Monocrotophos	mg/l	0.002		<-0.002	<-0.002	0	
Parathion	mg/l	0.002		<-0.002	<-0.002	0	
Pirimphos-ethyl	mg/l	0.0005		<-0.0005	<-0.0005	0	
Prothiotos	mg/l	0.0005		<-0.0005	<-0.0005	0	
PFOS and PFOA	6:2 Fluorotelomer Sulfonate (6:2 FTS)	mg/l	0.0001		0.192	0.206	7
	Perfluorooctanoate	mg/l	2e-005		0.0113	0.0121	7
	PFOS	mg/l	2e-005		0.122	0.0946	25
Polychlorinated Biphenyls (PCB)	PCB (Sum of Total-Lab Reported)	mg/l	0.001		<-0.001	<-0.001	0
Semivolatile Organic Compounds	1,3,5-Trinitrobenzene	mg/l	0.002		<-0.002	<-0.002	0
	2,4,5-Trichlorophenol	mg/l	0.002		<-0.002	<-0.002	0
	2,4,6-Trichlorophenol	mg/l	0.002		<-0.002	<-0.002	0
	2,4-Dinitrotoluene	mg/l	0.004		<-0.004	<-0.004	0
	2,4-Dichlorophenol	mg/l	0.002		<-0.002	<-0.002	0
	2,6-Dinitrotoluene	mg/l	0.004		<-0.004	<-0.004	0
	2,6-Dichlorophenol	mg/l	0.002		<-0.002	<-0.002	0
	2-Chlorophenol	mg/l	0.002		<-0.002	<-0.002	0
	1,2,4-Trichlorobenzene	mg/l	0.002		<-0.002	<-0.002	0
	4-Chloro-3-methylphenol	mg/l	0.002		<-0.002	<-0.002	0
	1,2-Dichlorobenzene	mg/l	0.002		<-0.002	<-0.002	0
	Pentachlorophenol	mg/l	0.004		<-0.004	<-0.004	0
	1,3-Dichlorobenzene	mg/l	0.002		<-0.002	<-0.002	0
	1,4-Dichlorobenzene	mg/l	0.002		<-0.002	<-0.002	0
	Hexachlorobutadiene	mg/l	0.002		<-0.002	<-0.002	0
	Hexachloroethane	mg/l	0.002		<-0.002	<-0.002	0
	Pronamide	mg/l	0.002		<-0.002	<-0.002	0
	1-Naphthylamine	mg/l	0.002		<-0.002	<-0.002	0
	2-(Acetylamino) fluorene	mg/l	0.002		<-0.002	<-0.002	0
	2,4-Dimethylphenol	mg/l	0.002		<-0.002	<-0.002	0
	2-Chloronaphthalene	mg/l	0.002		<-0.002	<-0.002	0
	2-Methylnaphthalene	mg/l	0.002		<-0.002	<-0.002	0
	2-Methylphenol	mg/l	0.002		<-0.002	<-0.002	0
	2-Nitroaniline	mg/l	0.004		<-0.004	<-0.004	0
	2-Nitrophenol	mg/l	0.002		<-0.002	<-0.002	0
	2-Picoline	mg/l	0.002		<-0.002	<-0.002	0
	3- & 4- Methylphenol	mg/l	0.004		<-0.004	<-0.004	0
	3,3-Dichlorobenzidine	mg/l	0.002		<-0.002	<-0.002	0
	3-Methylcholanthrene	mg/l	0.002		<-0.002	<-0.002	0
	3-Nitroaniline	mg/l	0.004		<-0.004	<-0.004	0
	4-(Dimethylamino) azobenzene	mg/l	0.002		<-0.002	<-0.002	0
	4-Aminobiphenyl	mg/l	0.002		<-0.002	<-0.002	0
	4-Bromophenyl phenyl ether	mg/l	0.002		<-0.002	<-0.002	0
	4-Chloroaniline	mg/l	0.002		<-0.002	<-0.002	0
4-Chlorophenyl phenyl ether	mg/l	0.002		<-0.002	<-0.002	0	
4-Nitroaniline	mg/l	0.002		<-0.002	<-0.002	0	
4-Nitroquinoline-n-oxide	mg/l	0.002		<-0.002	<-0.002	0	
2-methyl-5-nitroaniline	mg/l	0.002		<-0.002	<-0.002	0	
7,12-Dimethylbenz(a)anthracene	mg/l	0.002		<-0.002	<-0.002	0	
a-BHC	mg/l	0.002		<-0.002	<-0.002	0	
Acenaphthene	mg/l	0.002		<-0.002	<-0.002	0	



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Table H11 - Surface Water Results
Relative Percentage Difference

	SDG	Field_ID	Sampled_Date-Time	EM1201357		RPD
				SW6-1016/6006	DUP1_1016/6807	
				8/02/2012	8/02/2012	
Acenaphthylene	mg/l	0.002	<0.002	<0.002	0	
Acetophenone	mg/l	0.002	<0.002	<0.002	0	
Aldrin	mg/l	0.002	<0.002	<0.002	0	
Aniline	mg/l	0.002	<0.002	<0.002	0	
Anthracene	mg/l	0.002	<0.002	<0.002	0	
Azobenzene	mg/l	0.002	<0.002	<0.002	0	
b-BHC	mg/l	0.002	<0.002	<0.002	0	
Benz(a)anthracene	mg/l	0.002	<0.002	<0.002	0	
Benzo(a)pyrene	mg/l	0.002	<0.002	<0.002	0	
Benzo(b&k)fluoranthene	mg/l	0.004	<0.004	<0.004	0	
Benzo(g,h,i)perylene	mg/l	0.002	<0.002	<0.002	0	
Bis(2-chloroethoxy) methane	mg/l	0.002	<0.002	<0.002	0	
Bis(2-chloroisopropyl) ether	mg/l	0.002	<0.002	<0.002	0	
Bis(2-ethylhexyl) phthalate	mg/l	0.005	<0.01	<0.01	0	
Butylbenzyl phthalate	mg/l	0.002	<0.002	<0.002	0	
Carbazole	mg/l	0.002	<0.002	<0.002	0	
Chlorfenvinphos	mg/l	0.002	<0.002	<0.002	0	
Chlorobenzilate	mg/l	0.002	<0.002	<0.002	0	
Chlorpyrifos	mg/l	0.002	<0.002	<0.002	0	
Chlorpyrifos-methyl	mg/l	0.002	<0.002	<0.002	0	
Chrysene	mg/l	0.002	<0.002	<0.002	0	
d-BHC	mg/l	0.002	<0.002	<0.002	0	
DDD	mg/l	0.002	<0.002	<0.002	0	
DDE	mg/l	0.002	<0.002	<0.002	0	
DDT	mg/l	0.004	<0.004	<0.004	0	
Diazinon	mg/l	0.002	<0.002	<0.002	0	
Dibenz(a,h)anthracene	mg/l	0.002	<0.002	<0.002	0	
Dibenzofuran	mg/l	0.002	<0.002	<0.002	0	
Dichlorvos	mg/l	0.002	<0.002	<0.002	0	
Dieldrin	mg/l	0.002	<0.002	<0.002	0	
Diethyl phthalate	mg/l	0.002	<0.002	<0.002	0	
Dimethoate	mg/l	0.002	<0.002	<0.002	0	
Dimethyl phthalate	mg/l	0.002	<0.002	<0.002	0	
Di-n-butyl phthalate	mg/l	0.002	<0.002	<0.002	0	
Di-n-octyl phthalate	mg/l	0.002	<0.002	<0.002	0	
Endosulfan I	mg/l	0.002	<0.002	<0.002	0	
Endosulfan II	mg/l	0.002	<0.002	<0.002	0	
Endosulfan sulphate	mg/l	0.002	<0.002	<0.002	0	
Endrin	mg/l	0.002	<0.002	<0.002	0	
Ethion	mg/l	0.002	<0.002	<0.002	0	
Fenthion	mg/l	0.002	<0.002	<0.002	0	
Fluoranthene	mg/l	0.002	<0.002	<0.002	0	
Fluorene	mg/l	0.002	<0.002	<0.002	0	
g-BHC	mg/l	0.002	<0.002	<0.002	0	
Heptachlor	mg/l	0.002	<0.002	<0.002	0	
Heptachlor epoxide	mg/l	0.002	<0.002	<0.002	0	
Hexachlorobenzene	mg/l	0.004	<0.004	<0.004	0	
Hexachlorocyclopentadiene	mg/l	0.01	<0.01	<0.01	0	
Hexachloropropene	mg/l	0.002	<0.002	<0.002	0	
Indeno(1,2,3-c,d)pyrene	mg/l	0.002	<0.002	<0.002	0	
Isophorone	mg/l	0.002	<0.002	<0.002	0	
Malathion	mg/l	0.002	<0.002	<0.002	0	
Methapyrene	mg/l	0.002	<0.002	<0.002	0	
Naphthalene	mg/l	0.002	<0.002	<0.002	0	
Nitrobenzene	mg/l	0.002	<0.002	<0.002	0	
n-Nitrosodimethylamine	mg/l	0.002	<0.002	<0.002	0	
N-Nitrosodi-n-butylamine	mg/l	0.002	<0.002	<0.002	0	
N-Nitrosodi-n-propylamine	mg/l	0.002	<0.002	<0.002	0	
n-Nitrosodiphenylamine & Diphenylamine	mg/l	0.004	<0.004	<0.004	0	
n-Nitrosomethylethylamine	mg/l	0.002	<0.002	<0.002	0	
n-Nitrosomorpholine	mg/l	0.002	<0.002	<0.002	0	
N-Nitrosopiperidine	mg/l	0.002	<0.002	<0.002	0	
n-Nitrosopyrrolidine	mg/l	0.004	<0.004	<0.004	0	
Phenanthrene	mg/l	0.002	<0.002	<0.002	0	
Pentachlorobenzene	mg/l	0.002	<0.002	<0.002	0	
Pentachloronitrobenzene	mg/l	0.002	<0.002	<0.002	0	
Phenacetin	mg/l	0.002	<0.002	<0.002	0	
Pyrene	mg/l	0.002	<0.002	<0.002	0	
Phenol	mg/l	0.002	<0.002	<0.002	0	
Prinphos-ethyl	mg/l	0.002	<0.002	<0.002	0	
Prothiofos	mg/l	0.002	<0.002	<0.002	0	
PAH (Sum of Common 16 PAHs - Lab Reported)	mg/l	0.002	<0.005	<0.005	0	
TPH - Semivolatile Fraction						
TPH C10 - C14 Fraction	mg/l	0.05	0.16	0.24	40	
TPH C15 - C28 Fraction	mg/l	0.1	2.1	2.65	23	
TPH C29-C36 Fraction	mg/l	0.05	0.26	0.25	4	
TPH+C10 - C36 (Sum of total) (Lab Reported)	mg/l	0.05	2.52	3.14	22	
TPH+C10 - C40 (Sum of total) (Lab Reported)	mg/l	0.1	2.58	3.18	21	
>C10 - C16 Fraction	mg/l	0.1	0.47	0.62	28	
>C16 - C34 Fraction	mg/l	0.1	2	2.45	20	
>C34 - C40 Fraction	mg/l	0.1	0.11	0.11	0	
TPH Volatiles/BTEX						
Benzene	mg/l	0.001	<0.001	<0.001	0	
Ethylbenzene	mg/l	0.002	<0.002	<0.002	0	
Naphthalene	mg/l	0.005	<0.005	<0.005	0	
Toluene	mg/l	0.002	<0.002	<0.002	0	
TPH C 6 - C 9 Fraction	mg/l	0.02	0.03	<0.02	40	
C6 - C10 Fraction	mg/l	0.02	0.04	0.02	67	
C6 - C10 Fraction minus BTEX (F1)	mg/l	0.02	0.04	<0.02	67	
Xylenes (m & p)	mg/l	0.002	0.002	0.003	40	
Xylene (o)	mg/l	0.002	<0.002	<0.002	0	
Xylenes (Sum of total)	mg/l	0.002	0.002	0.003	40	
Total BTEX	mg/l	0.001	0.002	0.003	40	
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	mg/l	0.005	<0.005	<0.005	0	
1,1,2,2-Tetrachloroethane	mg/l	0.005	<0.005	<0.005	0	
1,1,1-Trichloroethane	mg/l	0.005	<0.005	<0.005	0	
1,1,2-Trichloroethane	mg/l	0.005	<0.005	<0.005	0	
1,2,3-Trichloropropane	mg/l	0.005	<0.005	<0.005	0	
1,2-Dibromo-3-chloropropane	mg/l	0.005	<0.005	<0.005	0	
1,2-Dibromoethane	mg/l	0.005	<0.005	<0.005	0	



CFA Training College, Fiskville
Preliminary Site Assessment

Table H11 - Surface Water Results
Relative Percentage Difference

SDG Field_ID Sampled_Date-Time			EM1201357	EM1201357	RPD
			SW6-1016/6006 8/02/2012	DUP1_1016/6807 8/02/2012	
	1,1-Dichloroethane	mg/l 0.005	<0.005	<0.005	0
	1,2-Dichloroethane	mg/l 0.005	<0.005	<0.005	0
	1,1-Dichloroethene	mg/l 0.005	<0.005	<0.005	0
	1,2,3-Trichlorobenzene	mg/l 0.005	<0.005	<0.005	0
	cis-1,2-Dichloroethene	mg/l 0.005	<0.005	<0.005	0
	trans-1,2-dichloroethene	mg/l 0.005	<0.005	<0.005	0
	1,2-Dichloropropane	mg/l 0.005	<0.005	<0.005	0
	1,3-Dichloropropane	mg/l 0.005	<0.005	<0.005	0
	1,2,4-trimethylbenzene	mg/l 0.005	<0.005	<0.005	0
	2,2-Dichloropropane	mg/l 0.005	<0.005	<0.005	0
	1,1-Dichloropropene	mg/l 0.005	<0.005	<0.005	0
	cis-1,3-Dichloropropene	mg/l 0.005	<0.005	<0.005	0
	trans-1,3-dichloropropene	mg/l 0.005	<0.005	<0.005	0
	cis-1,4-Dichloro-2-butene	mg/l 0.005	<0.005	<0.005	0
	trans-1,4-Dichloro-2-butene	mg/l 0.005	<0.005	<0.005	0
	1,3,5-Trimethylbenzene	mg/l 0.005	<0.005	<0.005	0
	Bromodichloromethane	mg/l 0.005	<0.005	<0.005	0
	Bromoform	mg/l 0.005	<0.005	<0.005	0
	Bromomethane	mg/l 0.05	<0.05	<0.05	0
	Carbon disulfide	mg/l 0.005	<0.005	<0.005	0
	Carbon tetrachloride	mg/l 0.005	<0.005	<0.005	0
	Chlorodibromomethane	mg/l 0.005	<0.005	<0.005	0
	Chloroethane	mg/l 0.05	<0.05	<0.05	0
	Chloroform	mg/l 0.005	<0.005	<0.005	0
	Chloromethane	mg/l 0.05	<0.05	<0.05	0
	Dibromomethane	mg/l 0.005	<0.005	<0.005	0
	Dichlorodifluoromethane	mg/l 0.05	<0.05	<0.05	0
	Iodomethane	mg/l 0.005	<0.005	<0.005	0
	Pentachloroethane	mg/l 0.005	<0.005	<0.005	0
	Trichloroethene	mg/l 0.005	<0.005	<0.005	0
	Tetrachloroethene	mg/l 0.005	<0.005	<0.005	0
	Trichlorofluoromethane	mg/l 0.05	<0.05	<0.05	0
	Vinyl chloride	mg/l 0.05	<0.05	<0.05	0
	Methyl Ethyl Ketone	mg/l 0.05	<0.05	<0.05	0
	2-Chlorotoluene	mg/l 0.005	<0.005	<0.005	0
	2-Hexanone	mg/l 0.05	<0.05	<0.05	0
	4-Chlorotoluene	mg/l 0.005	<0.005	<0.005	0
	4-Methyl-2-pentanone	mg/l 0.05	<0.05	<0.05	0
	Benzene	mg/l 0.001	<0.001	<0.001	0
	Bromobenzene	mg/l 0.005	<0.005	<0.005	0
	Chlorobenzene	mg/l 0.005	<0.005	<0.005	0
	Ethylbenzene	mg/l 0.002	<0.002	<0.002	0
	Isopropylbenzene	mg/l 0.005	<0.005	<0.005	0
	n-Butylbenzene	mg/l 0.005	<0.005	<0.005	0
	n-Propylbenzene	mg/l 0.005	<0.005	<0.005	0
	p-Isopropyltoluene	mg/l 0.005	<0.005	<0.005	0
	sec-Butylbenzene	mg/l 0.005	<0.005	<0.005	0
	Styrene	mg/l 0.005	<0.005	<0.005	0
	tert-Butylbenzene	mg/l 0.005	<0.005	<0.005	0
	Toluene	mg/l 0.002	<0.002	<0.002	0
	Vinyl acetate	mg/l 0.05	<0.05	<0.05	0
	Xylenes (m & p)	mg/l 0.002	0.002	0.002	0
	Xylene (o)	mg/l 0.002	<0.002	<0.002	0

*RPDs have only been considered where a concentration is greater than 0 times the EQL.

**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (0-10 x EQL); 50 (10-30 x EQL); 50 (> 30 x EQL))

***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories. Any methods in the row header relate to those used in the primary laboratory

Table H12 - Sediment PFOS/PFOA Results
Relative Percentage Difference

						Other		
						6:2 Fluorotelomer Sulfonate (6:2 FTS)	Perfluorooctanoate	PFOS
						mg/kg	mg/kg	mg/kg
LOR						0.005	0.0005	0.0005
	Location	Field ID	Sampled Date Time	SDG	SampleCode			
Interlab Duplicate	SD10	10110/8910	8/02/2012	326794	M12-Fe06439	1	0.94	210
Primary Sample	SD10	SD10 - 10110/8010	8/02/2012	EM1201358	EM1201358010	0.882	1.24	66
RPD						13	28	104

Table H13 - Surface Water PFOS/PFOA Results
 Relative Percentage Difference

						Other		
						6:2 Fluorotelomer Sulfonate (6:2 FS)	Perfluorooctanoate	PFOS
						mg/L	mg/L	mg/L
LOR						0.0001	0.00002	0.00002
	Location Code	Field ID	Sampled Date	TS/SG	SampleCode			
Interlab Duplicate	SW6	1016/6906	8/02/2012	326794	M12-Fe06440	0.29	0.01	0.029
Primary Sample	SW6	SW6-1016/	8/02/2012	EM120135	EM1201357006	0.192	0.0113	0.122
	RPD					41	12	123

Table H14 - Sediment PCDD/F Results
Relative Percentage Difference

Sample Duplicate	Location_Code	Field_ID	Sampled_Date_TSDG	SampleCode	Units:	1,2,3,7,8-PeCDD	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	1,2,3,4,6,7,8-HpCDD	OCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8-HxCDF	2,3,7,8-Tetrachloroanthrene	1,2,3,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDF	OCDF		
Primary Sample	SD10	10110/8910	8/02/2012	326794	EM1201412005	pg/g	<2.5	<2.5	2.8	2.9	77.6	1,110	1	<2.5	<2.5	<2.5	<0.5	<2.5	<2.5	<2.5	12.8	<2.5	16.9
Interlab Duplicate	SD10	SD10 - 10110/8010	8/02/2012	EM1201358	Fe06439 Soil		0.735	0.65	1.49	1.31	29.1	326	0.963	0.621	0.779	1.41	0.2	0.732	0.478	<0.4	4.66	0.617	7.35
RPD						109.119	117.4603	61.07226	75.53444	90.90909	109.1922	3.76974	120.4101	104.971	55.75448	85.71429	109.4059	135.7958	144.8276	93.2417	120.8213	78.76289	

Sample Duplicate	Location_Code	Field_ID	Sampled_Date_TSDG	SampleCode	Units:	Total TEQ	WHO-TEQ (pm)	WHO-TEQ (0.5 LOR)	WHO-TEQ (LOR)
Primary	SD10	10110/8910	8/02/2012	326794	EM1201412005	pg/g	1.91	4.46	7.01
Laboratory	SD10	SD10 - 10110/8010	8/02/2012	EM1201358	Fe06439 Soil		2.33	2.35	2.37
RPD						19.81132	61.96769	98.9339	