APPENDIX J

STATISTICAL ASSESSMENTS OF SOIL CONTAMINATION DATA

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TABLE 1 - CONTAMINATION DATA USED IN STATISTICAL ANALYSIS

Job Number 06/3908/9 — Created by: RR
Site Name Foulstone & Wombwell School, Barnsley — Reviewed by: PB
All results in mg/kg unless stated otherwise

Position	TP3	TP4	TP8	TP8	TP9	TP10	TP11	TP12	TP8	SGV /
Depth (m)	1.80m	0.70m	0.70m	1.50m	0.70m	0.70m	0.70m	0.70m	2.70m	GAC
Arsenic	124.4	23.4	20	46.5	30.1		26.1	37.9	52	20
Cadmium	0.3	0.2	0.2	0.2	0.2		0.2	0.2	0.2	30
Chromium (hexavalent)	1	1	1	1	1		1	1	1	200
Chromium (total)	21.9	5	19.4	7.7	18.2		16.1	13.9	14.1	200
Lead	78.7	30.7	18.9	24.4	34.1		41.7	64.1	23.5	450
Mercury	0.4	1.2	0.1	0.1	0.1		0.1	0.1	0.1	15
Selenium	1	1	1	1	1		1	1	1	260
Boron (water soluble)	0.7	0.5	0.9	0.8	0.9		0.8	1.6	0.5	
Copper	28.3	44	5.4	24.3	33.7		38.3	40.5	13.8	
Nickel	5	4	38.7	7.1	28		27.7	26.4	10.4	75
Zinc	13.6	17.2	85.2	20.9	141.1		87.6	107.7	24	
Phenols (monohydric)	2	2	2	2	2		2	2	2	21900
Cyanide (free)	2	2	2	2	2		2	2	2	53
Cyanide (total)	2	2	2	2	2		2	2	2	53
Cyanide (complex)	2	2	2	2	2		2	2	2	53
Sulphate (water soluble) g/l SO4	1.684	0.262	0.096	0.12	1.976		0.079	1.72	0.209	
Sulphide	2	2	2	2	2		2	2	2	
Sulphur (free)	4	16	4	22	8		15	23	4	
pH	3.6	5.2	7.1	4.6	6.2		6.9	7	4.3	
TPH	5	1001.6	12.9	77.7	46.8		91.1	147.3	5	
PAH (total)	0.5	20.4	2.3	7.6	6		6.7	7.1	0.1	
Naphthalene	0.1	1.8	0.3	1	0.6		3.4	3	0.1	1904
Acenaphthylene	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	2030
Acenaphthene	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	2030
Fluorene	0.1	0.3	0.1	0.1	0.1		0.1	0.3	0.1	811
Phenanthrene	0.2	6.9	0.6	4.8	1		2	2.1	0.1	2030
Anthracene	0.1	0.6	0.2	0.1	0.2		0.2	0.3	0.1	6089
Fluoranthene	0.2	3.3	0.5	0.6	1.2		0.4	0.5	0.1	2550
Pyrene	0.1	2.6	0.4	0.5	1		0.3	0.6	0.1	255
Benzo(a)anthracene	0.1	1.4	0.1	0.3	0.5		0.2	0.2	0.1	20.3
Chrysene	0.1	1.7	0.3	0.5	0.5		0.2	0.3	0.1	20.3
Benzo(b)fluoranthene	0.1	0.6	0.2	0.1	0.5		0.1	0.1	0.1	20.3
Benzo(k)fluoranthene	0.1	0.6	0.1	0.1	0.4		0.1	0.1	0.1	20.3
Benzo(a)pyrene	0.1	0.5	0.1	0.1	0.3		0.1	0.1	0.1	2.03
Indeno(1,2,3-cd)pyrene	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	20.3
Dibenz(a,h)anthracene	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	2.03
Benzo(g,h,i)perylene	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	20.3
Barium	138.3	192.8	111.7	72.3	98.6		97.8	77.4	87.7	
Beryllium	2.1	0.2	2	0.4	1.6		1.4	1.6	0.8	
Vanadium	66.2	14	39.7	19.4	36.9		34.8	34.1	26.1	
Nitrate	2	15.1	2.4	32.2	3.5		9.3	2	2	
Sulphate (total)	65880	8918	1812	11888	8859		5012	6878	40455	
Chrysotile (white)	ND	ND	ND	ND	ND	1	ND	ND	ND	
Amosite (brown)	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Crocidolite (blue)	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthophyllite	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Actinolite	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tremolite	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Non-Asbestos fibres	ND	P	P	P	P	P	ND	P	ND	
Test sample weight (g)	0.1	33.6	1.2	17.2	2		5.9	6.8	0.2	
Est. weight asbestos material (g)										
Estimated % (w/w) of asbestos										
Organic Matter	0.1	33.6	1.2	17.2	2		5.9	6.8	0.2	
TPH C10-C12	5	16.4	5	5	5		5	6.3	10.4	79.6
TPH C12-C16	5	70	5	18.1	5		28.4	35.5	5	291.7
TPH C16-C21	5	187.3	5	25.4	9.5		26.5	33.8	5	608
TPH C21-C35	5	663.2	7.4	29.5	32.8		29.6	64	5	608
TPH C35-C40	5	64.8	5	5	5		5	5	5	608
TPH Aromatic EC5-EC7		0.02								0.134
TPH Aromatic EC7-EC8		0.02								3
TPH Aromatic EC8-EC10		0.1								15.99
TPH Aromatic EC10-EC12		5								79.6
TPH Aromatic EC12-EC16		9.2								291.7
TPH Aromatic EC16-EC21		15.7								608
TPH Aromatic EC21-EC35		5								608
TPH Aliphatic EC5-EC6		0.1								24.07
TPH Aliphatic EC6-EC8		0.1								52.79
TPH Aliphatic EC8-EC10		0.1								9.96
TPH Aliphatic EC10-EC12		5								45.28
TPH Aliphatic EC12-EC16		5								198.54
TPH Aliphatic EC16-EC21		5								40596
TPH Aliphatic EC21-EC35		5								40596
Benzene		0.02								0.134
Toluene		0.02								3
Ethyl Benzene		0.02								6
m+p-Xylene		0.04								22.91
o-Xylene		0.02								22.91

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TABLE 2 - MAXIMUM VALUE TEST AS DESCRIBED IN CLEA CLR 7 APPENDIX A

Job Number 06/3908/9 Created by: RR
Name Foulstone & Wombwell School, Barnsley Reviewed by: PB

	MAXIMUM VALUE TEST (logs)								
	Mean (mg/kg)	Maximum Value (mg/kg)	Standard Deviation	Outlier test Statistic (T)	Number of samples	Critical Value (T_{crit})	Outlier present	Maximum Result (mg/kg)	SGV/GAC (mg/kg)
Arsenic	45.050	124.400	33.968	2.336	8	1.91	YES	124.4	20.0
Cadmium	0.213	0.300	0.035	2.475	8	1.91	YES	0.3	30.0
Chromium (hexavalent)	1.000	1.000	0.000	0.000	8	1.91	NO	1.0	200.0
Chromium (total)	14.538	21.900	5.757	1.279	8	1.91	NO	21.9	200.0
Lead	39.513	78.700	21.252	1.844	8	1.91	NO	78.7	450.0
Mercury	0.275	1.200	0.388	2.383	8	1.91	YES	1.2	15.0
Selenium	1.000	1.000	0.000	0.000	8	1.91	NO	1.0	260.0
Boron (water soluble)	0.838	1.600	0.346	2.203	8	1.91	YES	1.6	
Copper	28.538	44.000	13.494	1.146	8	1.91	NO	44.0	
Nickel	18.413	38.700	13.274	1.528	8	1.91	NO	38.7	75.0
Zinc	62.163	141.100	49.312	1.601	8	1.91	NO	141.1	
Phenols (monohydric)	2.000	2.000	0.000	0.000	8	1.91	NO	2.0	21900.0
Cyanide (free)	2.000	2.000	0.000	0.000	8	1.91	NO	2.0	53.0
Cyanide (total)	2.000	2.000	0.000	0.000	8	1.91	NO	2.0	53.0
Cyanide (complex)	2.000	2.000	0.000	0.000	8	1.91	NO	2.0	53.0
Sulphate (water soluble) g/l SO4	0.768	1.976	0.855	1.412	8	1.91	NO	2.0	
Sulphide	2.000	2.000	0.000	0.000	8	1.91	NO	2.0	
Sulphur (free)	12.000	23.000	8.053	1.366	8	1.91	NO	23.0	
pH	5.613	7.100	1.368	1.087	8	1.91	NO	7.1	
TPH	173.425	1001.600	338.280	2.448	8	1.91	YES	1001.6	
PAH (total)	6.338	20.400	6.430	2.187	8	1.91	YES	20.4	
Naphthalene	1.288	3.400	1.310	1.613	8	1.91	NO	3.4	1904.0
Acenaphthylene	0.100	0.100	0.000	0.000	8	1.91	NO	0.1	2030.0
Acenaphthene	0.100	0.100	0.000	0.000	8	1.91	NO	0.1	2030.0
Fluorene	0.150	0.300	0.093	1.620	8	1.91	NO	0.3	811.0
Phenanthrene	2.213	6.900	2.429	1.930	8	1.91	YES	6.9	2030.0
Anthracene	0.225	0.600	0.167	2.247	8	1.91	YES	0.6	6089.0
Fluoranthene	0.850	3.300	1.043	2.348	8	1.91	YES	3.3	2550.0
Pyrene	0.700	2.600	0.821	2.314	8	1.91	YES	2.6	255.0
Benzo(a)anthracene	0.363	1.400	0.441	2.355	8	1.91	YES	1.4	20.3
Chrysene	0.463	1.700	0.524	2.364	8	1.91	YES	1.7	20.3
Benzo(b)fluoranthene	0.225	0.600	0.205	1.827	8	1.91	NO	0.6	20.3
Benzo(k)fluoranthene	0.200	0.600	0.193	2.075	8	1.91	YES	0.6	20.3
Benzo(a)pyrene	0.175	0.500	0.149	2.184	8	1.91	YES	0.5	2.0
Indeno(1,2,3-cd)pyrene	0.100	0.100	0.000	0.000	8	1.91	NO	0.1	20.3
Dibenz(a,h)anthracene	0.100	0.100	0.000	0.000	8	1.91	NO	0.1	2.0
Benzo(g,h,i)perylene	0.100	0.100	0.000	0.000	8	1.91	NO	0.1	20.3
Barium	109.575	192.800	39.494	2.107	8	1.91	YES	192.8	
Beryllium	1.263	2.100	0.715	1.171	8	1.91	NO	2.1	
Vanadium	33.900	66.200	15.829	2.041	8	1.91	YES	66.2	
Nitrate	8.563	32.200	10.656	2.218	8	1.91	YES	32.2	
Sulphate (total)	18712.750	65880.000	22521.396	2.094	8	1.91	YES	65880.0	
Organic Matter	8.375	33.600	11.651	2.165	8	1.91	YES	33.6	
TPH C10-C12	7.263	16.400	4.138	2.208	8	1.91	YES	16.4	79.6
TPH C12-C16	21.500	70.000	22.980	2.111	8	1.91	YES	70.0	291.7
TPH C16-C21	37.188	187.300	61.720	2.432	8	1.91	YES	187.3	608.0
TPH C21-C35	104.563	663.200	226.587	2.465	8	1.91	YES	663.2	608.0
TPH C35-C40	12.475	64.800	21.142	2.475	8	1.91	YES	64.8	608.0
TPH Aromatic EC5-EC7	0.020	0.020	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.0	0.1
TPH Aromatic EC7-EC8	0.020	0.020	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.0	3.0
TPH Aromatic EC8-EC10	0.100	0.100	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.1	16.0
TPH Aromatic EC10-EC12	5.000	5.000	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	5.0	79.6
TPH Aromatic EC12-EC16	9.200	9.200	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	9.2	291.7
TPH Aromatic EC16-EC21	15.700	15.700	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	15.7	608.0
TPH Aromatic EC21-EC35	5.000	5.000	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	5.0	608.0
TPH Aliphatic EC5-EC6	0.100	0.100	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.1	24.1
TPH Aliphatic EC6-EC8	0.100	0.100	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.1	52.8
TPH Aliphatic EC8-EC10	0.100	0.100	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.1	10.0
TPH Aliphatic EC10-EC12	5.000	5.000	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	5.0	45.3
TPH Aliphatic EC12-EC16	5.000	5.000	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	5.0	198.5
TPH Aliphatic EC16-EC21	5.000	5.000	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	5.0	40596.0
TPH Aliphatic EC21-EC35	5.000	5.000	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	5.0	40596.0
Benzene	0.020	0.020	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.02	0.134
Toluene	0.020	0.020	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.02	3
Ethyl Benzene	0.020	0.020	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.02	6
m+p-Xylene	0.040	0.040	#DIV/0!	#DIV/0!	1	#N/A	#DIV/0!	0.04	22.91

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TABLE 3 - MEAN VALUE TEST AS DISCUSSED IN CLEA CLR 7 APPENDIX A

Job Number 06/3908/9 Created by: RR
Name Foulstone & Wombwell School, Reviewed by: PB

	MEAN VALUE TEST						
	Arithmetric Mean (mg/kg)	Geometric Mean (mg/kg)	Maximum Value (mg/kg)	Number of samples	t	Standard Deviation	UCL_{95}
Arsenic	45.1		124.4	8.0	1.9	12.1	53.2
Cadmium	0.2		0.3	8.0	1.9	0.0	0.2
Chromium (hexavalent)	1.0		1.0	8.0	1.9	0.0	1.0
Chromium (total)	14.5		21.9	8.0	1.9	5.3	18.1
Lead		35.3	78.7	8.0	1.9	15.3	45.5
Mercury	0.3		1.2	8.0	1.9	0.4	0.6
Selenium	1.0		1.0	8.0	1.9	0.0	1.0
Boron (water soluble)	0.8		1.6	8.0	1.9	0.4	1.1
Copper	28.5		44.0	8.0	1.9	14.6	38.3
Nickel	18.4		38.7	8.0	1.9	13.1	27.2
Zinc	62.2		141.1	8.0	1.9	48.9	94.9
Phenols (monohydric)	2.0		2.0	8.0	1.9	0.0	2.0
Cyanide (free)	2.0		2.0	8.0	1.9	0.0	2.0
Cyanide (total)	2.0		2.0	8.0	1.9	0.0	2.0
Cyanide (complex)	2.0		2.0	8.0	1.9	0.0	2.0
Sulphate (water soluble) g/l SO4	0.8		2.0	8.0	1.9	0.8	1.3
Sulphide	2.0		2.0	8.0	1.9	0.0	2.0
Sulphur (free)	12.0		23.0	8.0	1.9	8.0	17.3
pH	5.6		7.1	8.0	1.9	1.2	6.4
TPH	173.4		1001.6	8.0	1.9	357.9	413.2
PAH (total)	6.3		20.4	8.0	1.9	6.5	10.7
Naphthalene	1.3		3.4	8.0	1.9	1.3	2.2
Acenaphthylene	0.1		0.1	8.0	1.9	0.0	0.1
Acenaphthene	0.1		0.1	8.0	1.9	0.0	0.1
Fluorene	0.2		0.3	8.0	1.9	0.1	0.2
Phenanthrene	2.2		6.9	8.0	1.9	2.5	3.9
Anthracene	0.2		0.6	8.0	1.9	0.2	0.3
Fluoranthene	0.9		3.3	8.0	1.9	1.1	1.6
Pyrene	0.7		2.6	8.0	1.9	0.8	1.3
Benzo(a)anthracene	0.4		1.4	8.0	1.9	0.5	0.7
Chrysene	0.5		1.7	8.0	1.9	0.5	0.8
Benzo(b)fluoranthene	0.2		0.6	8.0	1.9	0.2	0.4
Benzo(k)fluoranthene	0.2		0.6	8.0	1.9	0.2	0.3
Benzo(a)pyrene	0.2		0.5	8.0	1.9	0.2	0.3
Indeno(1,2,3-cd)pyrene	0.1		0.1	8.0	1.9	0.0	0.1
Dibenz(a,h)anthracene	0.1		0.1	8.0	1.9	0.0	0.1
Benzo(g,h,i)perylene	0.1		0.1	8.0	1.9	0.0	0.1
Barium	109.6		192.8	8.0	1.9	40.8	136.9
Beryllium	1.3		2.1	8.0	1.9	0.7	1.7
Vanadium	33.9		66.2	8.0	1.9	9.7	40.4
Nitrate	8.6		32.2	8.0	1.9	11.1	16.0
Sulphate (total)	18712.8		65880.0	8.0	1.9	12961.0	27396.4
Organic Matter	8.375		33.60	8.0	1.9	12.06	16.45
TPH C10-C12	7.263		16.40	8.0	1.9	4.36	10.18
TPH C12-C16	21.500		70.00	8.0	1.9	23.75	37.41
TPH C16-C21	37.188		187.30	8.0	1.9	65.18	80.86
TPH C21-C35	104.563		663.20	8.0	1.9	240.85	265.93
TPH C35-C40	12.475		64.80	8.0	1.9	22.60	27.62
TPH Aromatic EC5-EC7	0.0		0.02	1.0	#N/A	#DIV/0!	#N/A
TPH Aromatic EC7-EC8	0.0		0.0	1.0	#N/A	#DIV/0!	#N/A
TPH Aromatic EC8-EC10	0.1		0.1	1.0	#N/A	#DIV/0!	#N/A
TPH Aromatic EC10-EC12	5.0		5.0	1.0	#N/A	#DIV/0!	#N/A
TPH Aromatic EC12-EC16	9.200		9.2	1.0	#N/A	#DIV/0!	#N/A
TPH Aromatic EC16-EC21	15.700		15.70	1.0	#N/A	#DIV/0!	#N/A
TPH Aromatic EC21-EC35	5.000		5.00	1.0	#N/A	#DIV/0!	#N/A
TPH Aliphatic EC5-EC6	0.100		0.10	1.0	#N/A	#DIV/0!	#N/A
TPH Aliphatic EC8-EC10	0.1		0.1	1.0	#N/A	#DIV/0!	#N/A
TPH Aliphatic EC10-EC12	5.0		5.0	1.0	#N/A	#DIV/0!	#N/A
TPH Aliphatic EC12-EC16	5.0		5.0	1.0	#N/A	#DIV/0!	#N/A
TPH Aliphatic EC16-EC21	5.0		5.0	1.0	#N/A	#DIV/0!	#N/A
TPH Aliphatic EC21-EC35	5.0		5.0	1.0	#N/A	#DIV/0!	#N/A
Benzene	0.020		0.020	1.0	#N/A	#DIV/0!	#N/A
Toluene	0.020		0.020	1.0	#N/A	#DIV/0!	#N/A
Ethyl Benzene	0.020		0.020	1.0	#N/A	#DIV/0!	#N/A
m+p-Xylene	0.040		0.040	1.0	#N/A	#DIV/0!	#N/A
o-Xylene	0.020		0.020	1.0	#N/A	#DIV/0!	#N/A

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TABLE 4 - COMPARISON OF 95th UCL TO TIER 1 GAC's

Job Number 06/3908/9 Created by: RR
Name Foulstone & Wombwell Schod Reviewed by: PB

	MEAN VALUE TEST			Residential Without Plant Uptake HCV (mg/kg)			HQ	Methodology
	Arithmetric Mean (mg/kg)	Geometric Mean (mg/kg)	UCL_{95}	SGV	Tier 1 GAC	SSAC	HQ = UCL_{95}/HCV	Used
Arsenic	45.1		53.2	20.0				1
Cadmium	0.2		0.2	30.0				1
Chromium (hexavalent)	1.0		1.0	200.0				1
Chromium (total)	14.5		18.1	200.0				1
Lead		35.3	45.5	450.0				1
Mercury	0.3		0.6	15.0				1
Selenium	1.0		1.0	260.0				1
Boron (water soluble)	0.8		1.1					
Copper	28.5		38.3					
Nickel	18.4		27.2	75.0				1
Zinc	62.2		94.9					
Phenols (monohydric)	2.0		2.0	21900.0				1
Cyanide (free)	2.0		2.0		53.0			3
Cyanide (total)	2.0		2.0		53.0			
Cyanide (complex)	2.0		2.0		53.0			
Sulphate (water soluble) g/l SO4	0.8		1.3					
Sulphide	2.0		2.0					
Sulphur (free)	12.0		17.3					
pH	5.6		6.4					
TPH	173.4		413.2					
PAH (total)	6.3		10.7					
Naphthalene	1.3		2.2		1904.0		0.0011	4
Acenaphthylene	0.1		0.1		2030.0		0.0000	5
Acenaphthene	0.1		0.1		2030.0		0.0000	5
Fluorene	0.2		0.2		811.0		0.0003	4
Phenanthrene	2.2		3.9		2030.0		0.0019	5
Anthracene	0.2		0.3		6089.0		0.0001	4
Fluoranthene	0.9		1.6		2550.0		0.0006	4
Pyrene	0.7		1.3		255.0		0.0050	4
Benzo(a)anthracene	0.4		0.7		20.3		0.0331	5
Chrysene	0.5		0.8		20.3		0.0407	5
Benzo(b)fluoranthene	0.2		0.4		20.3		0.0182	5
Benzo(k)fluoranthene	0.2		0.3		20.3		0.0166	5
Benzo(a)pyrene	0.2		0.3		2.0		0.1381	4
Indeno(1,2,3-cd)pyrene	0.1		0.1		20.3		0.0049	5
Dibenz(a,h)anthracene	0.1		0.1		2.0		0.0493	5
Benzo(g,h,i)perylene	0.1		0.1		20.3		0.0049	5
Sum of PAH's							0.3149	
Barium	109.6		136.9					
Beryllium	1.3		1.7					2
Vanadium	33.9		40.4					2
Nitrate	8.6		16.0					
Sulphate (total)	18712.8		27396.4					
Organic Matter	8.4		16.5					
TPH C10-C12	7.3		10.2		79.6			4
TPH C12-C16	21.5		37.4		291.7			4
TPH C16-C21	37.2		80.9		608.0			4
TPH C21-C35	104.6		265.9		608.0			4
TPH C35-C40	12.5		27.6		608.0			4
TPH Aromatic EC5-EC7	0.020		#N/A		0.13		#N/A	4
TPH Aromatic EC7-EC8	0.020		#N/A	3.0				
TPH Aromatic EC8-EC10	0.1		#N/A		16.0		#N/A	4
TPH Aromatic EC10-EC12	5.0		#N/A		79.6		#N/A	4
TPH Aromatic EC12-EC16	9.2		#N/A		291.7		#N/A	4
TPH Aromatic EC16-EC21	15.7		#N/A		608.0		#N/A	4
TPH Aromatic EC21-EC35	5.0		#N/A		608.0		#N/A	4
TPH Aliphatic EC5-EC6	0.1		#N/A		24.1		#N/A	4
TPH Aliphatic EC6-EC8	0.1		#N/A		52.8		#N/A	4
TPH Aliphatic EC8-EC10	0.1		#N/A		10.0		#N/A	4
TPH Aliphatic EC10-EC12	5.0		#N/A		45.3		#N/A	4
TPH Aliphatic EC12-EC16	5.0		#N/A		198.5		#N/A	4
TPH Aliphatic EC16-EC21	5.0		#N/A		40596.0		#N/A	4
TPH Aliphatic EC21-EC35	5.0		#N/A		40596.0		#N/A	4
Total TPH's							#N/A	
Benzene	0.0		#N/A		0.13			4
Toluene	0.020		#N/A	3.0				1
Ethyl Benzene	0.020		#N/A	6.0				1
m+p-Xylene	0.04		#N/A		22.9			4
o-Xylene	0.02		#N/A		22.9			4

1 - Published SGV
2 - BP RISC v4.02
3 - Acute Exposure
4 - SNIFFER
5 - TEF