

10 September 2010

Ms Caroline Kelly
Administration, Environmental Licensing Programme
Office of Climate, Licensing and Resource Use
Environmental Protection Agency Headquarters
PO Box 3000
Johnstown Castle Estate
Co. Wexford

**Re: Certification of Newmarket Landfill Site
Application No. H0001-01**

Dear Caroline,

Further to our letter of 19th July 2010 (and your letters of 15th March and 20th April 2010) please find additional information relating to our application attached:

2) Leachate sampling and testing:

Leachate sampling was conducted on the 16th July after a week of heavy rains. BH1 (Leachate Borehole No.1) and BH2 were dry on inspection. There was sufficient sample volume in leachate BH3 and the results are outlined below. The results are compared to the EPA Interim Guideline Values for the Protection of Groundwater in Ireland:

Batch Number	1				
Date of Receipt	21/07/10	EPA Interim Guideline Values	LOD	Units	Method No.
pH [#]	7.26	6.5 - 9.5	<0.01	pH units	TM073
Electrical Conductivity [#] @25°C	1151	1000	<100	µS/cm	TM28/PM11
Sulphate [#]	193.36	200.00	<0.05	mg/l	TM038W
Chloride [#]	26.6	30.0	<0.3	mg/l	TM038W
Fluoride	<0.3	1.0	<0.3	mg/l	TM027W
Total Oxidised Nitrogen as N [#]	3.36	25 (as NO3)	<0.05	mg/l	TM038W
Tot Ammonia as N [#]	10.28	0.15	<0.01	mg/l	TM038W
Arsenic - dissolved [#]	4.9	10.0	<2.5	µg/l	TM 030W
Boron - dissolved	433	1000	<12	µg/l	TM 030W

Cadmium - dissolved #	<0.5	5.0	<0.5	µg/l	TM 030W
Chromium - dissolved #	<1.5	30.0	<1.5	µg/l	TM 030W
Copper - dissolved #	<7	30.0	<7	µg/l	TM 030W
Mercury - dissolved #	<1	1.0	<1	µg/l	TM 030W
Nickel - dissolved #	3	20	<2	µg/l	TM 030W
Lead - dissolved #	<5	10.0	<5	µg/l	TM 030W
Zinc - dissolved #	35	100	<3	µg/l	TM 030W
Iron - dissolved #	651	200	<20	µg/l	TM 030W
Manganese - dissolved #	2030	50	<2	µg/l	TM 030W
Calcium - dissolved#	166.2	200.0	<0.2	mg/l	TM 030W
Magnesium - dissolved#	33.5	50.0	<0.1	mg/l	TM 030W
Potassium - dissolved#	36.8	5.0	<0.1	mg/l	TM 030W
Sodium - dissolved#	33.6	150.0	<0.1	mg/l	TM 030W
Molybdate Reactive Phosphorous	53	30	<5	µg/l	TM 030W
BOD*	NDP				subcontracted
Total Cyanide*	<40	10 (Drinking water 50)	<40	µg/l	subcontracted
VOCs TICs	ND		<100	µg/l	TM15/PM10
VOCs #	see tab		<1-5	µg/l	TM15/PM10
SVOCs (dissolved)	see tab		<10	µg/l	TM16/PM9
SVOC TICs	ND		<100	µg/l	TM16/PM9
EPH (C8-C40) (dissolved) #	<10	10	<10	µg/ l	TM5/PM9

2.1 Interpretation of Leachate Results

Most parameters were within the IGV guideline values. The only values that exceeded the guideline values are outlined in yellow (i.e. EC, Ammonia, Iron, Manganese, Potassium and phosphorus and Cyanide). None of these parameters are List I substances.

When comparing the above Leachate results to leachates sampled from other landfills (i.e. Table 7.2 EPA Landfill Site Design, 2000) most results are well below the minimum overall range for a landfill that is in Stage IV of the degradation cycle and generally a large factor below minimum leachate concentrations.

It is concluded that the risk from this landfill to the adjacent surface water is insignificant.

4) Surface Water Monitoring:

Batch Number	1	1	1	EQSs for Surface Waters	LOD	Units	Method No.
Date of Receipt	21/07/10	21/07/10	21/07/10				
pH [#]	7.10	~	7.03		<0.01	pH units	TM073
Electrical Conductivity [#] @25°C	92	~	96	1000	<100	µS/cm	TM28/PM11
Total Suspended Solids	11	~	11		<10	mg/l	TM037W
Total Dissolved Solids	~	~	~		<35	mg/l	TM020W
Sulphate [#]	11.01	~	11.70	200.00	<0.05	mg/l	TM038W
Chloride [#]	11.7	~	11.8	250.0	<0.3	mg/l	TM038W
Fluoride	<0.3	~	<0.3	1.0	<0.3	mg/l	TM027W
Total Oxidised Nitrogen as N [#]	1.00	~	0.52	50.00	<0.05	mg/l	TM038W
Tot Ammonia as N [#]	0.09	~	0.09	0.02	<0.01	mg/l	TM038W
Arsenic - dissolved [#]	<2.5	~	<2.5	25	<2.5	µg/l	TM 030W
Boron - dissolved	<12	~	<12	2000	<12	µg/l	TM 030W
Cadmium - dissolved [#]	<0.5	~	<0.5	5.0	<0.5	µg/l	TM 030W
Chromium - dissolved [#]	<1.5	~	<1.5	30.0	<1.5	µg/l	TM 030W
Copper - dissolved [#]	<7	~	<7	30	<7	µg/l	TM 030W
Mercury - dissolved [#]	<1	~	<1	1.0	<1	µg/l	TM 030W
Nickel - dissolved [#]	<2	~	<2	50	<2	µg/l	TM 030W
Lead - dissolved [#]	<5	~	<5	10	<5	µg/l	TM 030W
Zinc - dissolved [#]	32	~	25	100	<3	µg/l	TM 030W
Iron - dissolved [#]	471	~	462	1000	<20	µg/l	TM 030W
Manganese - dissolved [#]	5	~	4	300	<2	µg/l	TM 030W
Calcium - dissolved [#]	9.9	~	10.5		<0.2	mg/l	TM 030W
Magnesium - dissolved [#]	2.3	~	2.3		<0.1	mg/l	TM 030W
Potassium - dissolved [#]	1.7	~	1.6		<0.1	mg/l	TM 030W
Sodium - dissolved [#]	7.6	~	7.9		<0.1	mg/l	TM 030W
Molybdate Reactive Phosphorus	54	~	63		<5	µg/l	TM 030W
Dissolved Oxygen	9	~	9		<1	mg/l	TM059
COD	54	~	53		<7	mg/l	TM057W
TOC	~	~	~		<1	mg/l	TM060W
Total Alkalinity as CaCO ₃ [#]	31	~	27		<1	mg/l	TM032W
BOD [*]	NDP	~	NDP				subcontracted
Total Cyanide [*]	<40	~	<40	10	<40	µg/l	subcontracted
Total Coliforms [*] (Presumptive)	~	~	~		<3	mpn/g	subcontracted
Faecal Coliforms [*] (Presumptive)	~	~	~		<3	mpn/g	subcontracted
VOCs TICs	ND	~	~		<100	µg/l	TM15/PM10
VOCs [#]	see tab	~	~		<1-5	µg/l	TM15/PM10
SVOCs (dissolved)	~	~	~		<10	µg/l	TM16/PM9
SVOC TICs	~	~	~		<100	µg/l	TM16/PM9
EPH (C8-C40) (dissolved) ^{# SS}	<10	<10	<10	10	<10	µg/ l	TM5/PM9

4.1 Interpretation of Surface Water results

Further testing of surface water samples was conducted due to the high petroleum readings from samples taken on the 3rd June. No high levels of

petroleum were detected on this occasion indicating that the source was not from the landfill. Ammonia readings did however exceed the EQSs values. As the Ammonia levels were the same up-stream and down stream of the landfill it is concluded that the impact from the landfill is imperceptible.

5) Review of SPR Linkages and refinement of Conceptual Site Model (CSM)

The initial Moderate Risk Rating for this site was based on a 50% score for SPR 8 & 9. Based on the information obtained in the Tier II report as well as the further sampling and analysis undertaken it is concluded that the waste mass has largely biodegraded and that the contamination levels in the landfill are very low. There is a direct drainage connection to the adjacent stream but no perceivable impact from the landfill has been found. It is therefore concluded that this landfill poses a "Low Risk" to the environment and that no Quantitative Risk assessment is required. The revised Site Conceptual Model as outlined on page 37 of the Tier II report is therefore valid.

6) Validation Report and further monitoring

The topsoil on the site has been re-worked to give a 250mm layer over the landfill. This was completed last year. The site was also planted with grass seed.

It is proposed to sample the site (1No. leachate well, 1No. Groundwater well and 2No. Surface Water samples) during the summer of 2011 to confirm the Low Risk status of this site.

A copy of this letter along with the sample and analysis report is attached in the accompanying CD.

If you have any queries on the above please do not hesitate to contact me on 021 453 2751.

Yours faithfully,

Kieran Coffey
Environment Directorate
Cork County Council

cc. Nicholas Bond, File

Attachments: Appendix 1 - Sampling and Analysis Reports
CD with all above information in PDF format



Jones Environmental Laboratory

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Deeside
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Cork County Council
Inniscarra
Cork



No.4225

Attention : Kieran Coffey
Date : 23rd August 2010
Your reference : Newmarket Landfill
Our reference : Test Report 10/3442
Location : -
Date samples received : 21/07/10
Status : Final Report
Issue : 1

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Four samples were received for analysis on 21st July 2010 which was completed on 23rd August 2010. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced.

All interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

J W Farrell- Jones CChem FRSC
Chartered Chemist

Jones Environmental Laboratory

Client Name: Cork County Council

Report : Liquids

Reference: Newmarket Landfill

Location: -

Contact: Kieran Coffey

Liquids/products: V=40ml vial, G=glass bottle, P=plastic bottle

JE Job No.: 10/3442

H=H₂SO₄, Z=ZnAc, N=NaOH, HN=HNO₃

J E Sample No.	1-5	6-9	10-12	13-16								LOD	Units	Method No.
Sample ID	BH3	SW1	SW2	SW3										
Depth	-	-	-	-										
COC No / misc														
Containers	V H P G	V H P G	V H P G	V H P G										
Sample Date	16/07/10	16/07/10	16/07/10	16/07/10										
Sample Type	Water	Water	Water	Water										
Batch Number	1	1	1	1										
Date of Receipt	21/07/10	21/07/10	21/07/10	21/07/10										
pH [#]	7.26	7.10	~	7.03								<0.01	pH units	TM073
Electrical Conductivity [#] @25°C	1151	92	~	96								<100	µS/cm	TM28/PM11
Total Suspended Solids	~	11	~	11								<10	mg/l	TM037W
Total Dissolved Solids	~	~	~	~								<35	mg/l	TM020W
Sulphate [#]	193.36	11.01	~	11.70								<0.05	mg/l	TM038W
Chloride [#]	26.6	11.7	~	11.8								<0.3	mg/l	TM038W
Fluoride	<0.3	<0.3	~	<0.3								<0.3	mg/l	TM027W
Total Oxidised Nitrogen as N [#]	3.36	1.00	~	0.52								<0.05	mg/l	TM038W
Tot Ammonia as N [#]	10.28	0.09	~	0.09								<0.01	mg/l	TM038W
Arsenic - dissolved [#]	4.9	<2.5	~	<2.5								<2.5	µg/l	TM 030W
Boron - dissolved	433	<12	~	<12								<12	µg/l	TM 030W
Cadmium - dissolved [#]	<0.5	<0.5	~	<0.5								<0.5	µg/l	TM 030W
Chromium - dissolved [#]	<1.5	<1.5	~	<1.5								<1.5	µg/l	TM 030W
Copper - dissolved [#]	<7	<7	~	<7								<7	µg/l	TM 030W
Mercury - dissolved [#]	<1	<1	~	<1								<1	µg/l	TM 030W
Nickel - dissolved [#]	3	<2	~	<2								<2	µg/l	TM 030W
Lead - dissolved [#]	<5	<5	~	<5								<5	µg/l	TM 030W
Zinc - dissolved [#]	35	32	~	25								<3	µg/l	TM 030W
Iron - dissolved [#]	651	471	~	462								<20	µg/l	TM 030W
Manganese - dissolved [#]	2030	5	~	4								<2	µg/l	TM 030W
Calcium - dissolved [#]	166.2	9.9	~	10.5								<0.2	mg/l	TM 030W
Magnesium - dissolved [#]	33.5	2.3	~	2.3								<0.1	mg/l	TM 030W
Potassium - dissolved [#]	36.8	1.7	~	1.6								<0.1	mg/l	TM 030W
Sodium - dissolved [#]	33.6	7.6	~	7.9								<0.1	mg/l	TM 030W
Molybdate Reactive Phosphor	53	54	~	63								<5	µg/l	TM 030W
Dissolved Oxygen	~	9	~	9								<1	mg/l	TM059
COD	55	54	~	53								<7	mg/l	TM057W
TOC	~	~	~	~								<1	mg/l	TM060W
Total Alkalinity as CaCO ₃ [#]	~	31	~	27								<1	mg/l	TM032W
BOD*	NDP	NDP	~	NDP										subcontracted
Total Cyanide*	<40	<40	~	<40								<40	µg/l	subcontracted
Total Coliforms* (Presumptive)	~	~	~	~								<3	mpn/g	subcontracted
Faecal Coliforms* (Presumptive)	~	~	~	~								<3	mpn/g	subcontracted
VOCs TICs	ND	ND	~	~								<100	µg/l	TM15/PM10
VOCs [#]	see tab	see tab	~	~								<1-5	µg/l	TM15/PM10
SVOCs (dissolved)	see tab	~	~	~								<10	µg/l	TM16/PM9
SVOC TICs	ND	~	~	~								<100	µg/l	TM16/PM9
EPH (C8-C40) (dissolved) ^{# SS}	<10	<10	<10	<10								<10	µg/l	TM5/PM9

Please see attached notes for all abbreviations and acronyms

NDP - No determination possible

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Jones Environmental Laboratory

Client Name: Cork County Council
Reference: Newmarket Landfill
Location: -
Contact: Kieran Coffey
JE Job No.: 10/3442

SVOC Report : LIQUID

							Please see attached notes for all abbreviations and acronyms			
J E Sample No.	1-5									
Sample ID	BH3									
Depth	-									
COC No / misc										
Containers	V H P G									
Sample Date	16/07/10									
Sample Type	Water									
Batch Number	1									
Date of Receipt	21/07/10									
Phenols										
2-Chlorophenol	<10							<10	µg/l	TM16/PM9
2-Methylphenol	<10							<10	µg/l	TM16/PM9
2-Nitrophenol	<10							<10	µg/l	TM16/PM9
2,4-Dichlorophenol	<10							<10	µg/l	TM16/PM9
2,4-Dimethylphenol	<10							<10	µg/l	TM16/PM9
2,4,5-Trichlorophenol	<10							<10	µg/l	TM16/PM9
2,4,6-Trichlorophenol	<10							<10	µg/l	TM16/PM9
4-Chloro-3-methylphenol	<10							<10	µg/l	TM16/PM9
4-Methylphenol	<10							<10	µg/l	TM16/PM9
4-Nitrophenol	<10							<10	µg/l	TM16/PM9
Pentachlorophenol	<10							<10	µg/l	TM16/PM9
Phenol	<10							<10	µg/l	TM16/PM9
PAHs										
2-Chloronaphthalene	<10							<10	µg/l	TM16/PM9
2-Methylnaphthalene	<10							<10	µg/l	TM16/PM9
Naphthalene	<10							<10	µg/l	TM16/PM9
Acenaphthylene	<10							<10	µg/l	TM16/PM9
Acenaphthene	<10							<10	µg/l	TM16/PM9
Fluorene	<10							<10	µg/l	TM16/PM9
Phenanthrene	<10							<10	µg/l	TM16/PM9
Anthracene	<10							<10	µg/l	TM16/PM9
Fluoranthene	<10							<10	µg/l	TM16/PM9
Pyrene	<10							<10	µg/l	TM16/PM9
Benz(a)anthracene	<10							<10	µg/l	TM16/PM9
Chrysene	<10							<10	µg/l	TM16/PM9
Benzo(bk)fluoranthene	<10							<10	µg/l	TM16/PM9
Benzo(a)pyrene	<10							<10	µg/l	TM16/PM9
Indeno(123cd)pyrene	<10							<10	µg/l	TM16/PM9
Dibenzo(ah)anthracene	<10							<10	µg/l	TM16/PM9
Benzo(ghi)perylene	<10							<10	µg/l	TM16/PM9
Phthalates										
Bis(2-ethylhexyl) phthalate	<10							<10	µg/l	TM16/PM9
Butylbenzyl phthalate	<10							<10	µg/l	TM16/PM9
Di-n-butyl phthalate	<10							<10	µg/l	TM16/PM9
Di-n-Octyl phthalate	<10							<10	µg/l	TM16/PM9
Diethyl phthalate	<10							<10	µg/l	TM16/PM9
Dimethyl phthalate	<10							<10	µg/l	TM16/PM9
Other SVOCs										
1,2-Dichlorobenzene	<10							<10	µg/l	TM16/PM9
1,2,4-Trichlorobenzene	<10							<10	µg/l	TM16/PM9
1,3-Dichlorobenzene	<10							<10	µg/l	TM16/PM9
1,4-Dichlorobenzene	<10							<10	µg/l	TM16/PM9
2-Nitroaniline	<10							<10	µg/l	TM16/PM9
2,4-Dinitrotoluene	<10							<10	µg/l	TM16/PM9
2,6-Dinitrotoluene	<10							<10	µg/l	TM16/PM9
3-Nitroaniline	<10							<10	µg/l	TM16/PM9
4-Bromophenylphenylether	<10							<10	µg/l	TM16/PM9
4-Chloroaniline	<10							<10	µg/l	TM16/PM9
4-Chlorophenylphenylether	<10							<10	µg/l	TM16/PM9
4-Nitroaniline	<10							<10	µg/l	TM16/PM9
Azobenzene	<10							<10	µg/l	TM16/PM9
Bis(2-chloroethoxy)methane	<10							<10	µg/l	TM16/PM9
Bis(2-chloroethyl)ether	<10							<10	µg/l	TM16/PM9
Carbazole	<10							<10	µg/l	TM16/PM9
Dibenzofuran	<10							<10	µg/l	TM16/PM9
Hexachlorobenzene	<10							<10	µg/l	TM16/PM9
Hexachlorobutadiene	<10							<10	µg/l	TM16/PM9
Hexachlorocyclopentadiene	<10							<10	µg/l	TM16/PM9
Hexachloroethane	<10							<10	µg/l	TM16/PM9
Isophorone	<10							<10	µg/l	TM16/PM9
N-nitrosodi-n-propylamine	<10							<10	µg/l	TM16/PM9
Nitrobenzene	<10							<10	µg/l	TM16/PM9

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Jones Environmental Laboratory

Client Name: Cork County Council
Reference: Newmarket Landfill
Location: -
Contact: Kieran Coffey
JE Job No.: 10/3442

VOC Report : LIQUID

J E Sample No.	1-5	6-9										LOD	Units	Method No.
Sample ID	BH3	SW1												
Depth	-	-												
COC No / misc														
Containers	V H P G	V H P G												
Sample Date	16/07/10	16/07/10												
Sample Type	Water	Water												
Batch Number	1	1												
Date of Receipt	21/07/10	21/07/10												
Dichlorodifluoromethane	<2	<2										<2	µg/l	TM15/PM10
Methyl Tertiary Butyl Ether	<2	<2										<2	µg/l	TM15/PM10
Chloromethane #	<3	<3										<3	µg/l	TM15/PM10
Vinyl Chloride	<2	<2										<2	µg/l	TM15/PM10
Bromomethane	<1	<1										<1	µg/l	TM15/PM10
Chloroethane #	<3	<3										<3	µg/l	TM15/PM10
Trichlorofluoromethane #	<3	<3										<3	µg/l	TM15/PM10
1,1-Dichloroethene #	<6	<6										<6	µg/l	TM15/PM10
Carbon Disulphide #	NA	NA										<3	µg/l	TM15/PM10
Dichloromethane #	<3	<3										<3	µg/l	TM15/PM10
trans-1-2-Dichloroethene #	<3	<3										<3	µg/l	TM15/PM10
1,1-Dichloroethane #	<3	<3										<3	µg/l	TM15/PM10
cis-1-2-Dichloroethene #	<3	<3										<3	µg/l	TM15/PM10
2,2-Dichloropropane	<1	<1										<1	µg/l	TM15/PM10
Bromochloromethane #	<2	<2										<2	µg/l	TM15/PM10
Chloroform #	<3	<3										<3	µg/l	TM15/PM10
1,1,1-Trichloroethane #	<3	<3										<3	µg/l	TM15/PM10
1,1-Dichloropropene #	<3	<3										<3	µg/l	TM15/PM10
Carbon tetrachloride #	<2	<2										<2	µg/l	TM15/PM10
1,2-Dichloroethane #	<2	<2										<2	µg/l	TM15/PM10
Benzene #	<3	<3										<3	µg/l	TM15/PM10
Trichloroethene #	<3	<3										<3	µg/l	TM15/PM10
1,2-Dichloropropane #	<2	<2										<2	µg/l	TM15/PM10
Dibromomethane #	<3	<3										<3	µg/l	TM15/PM10
Bromodichloromethane #	<3	<3										<3	µg/l	TM15/PM10
cis-1-3-Dichloropropene #	<2	<2										<2	µg/l	TM15/PM10
Toluene #	<3	<3										<3	µg/l	TM15/PM10
trans-1-3-Dichloropropene #	<2	<2										<2	µg/l	TM15/PM10
1,1,2-Trichloroethane #	<2	<2										<2	µg/l	TM15/PM10
Tetrachloroethene #	<3	<3										<3	µg/l	TM15/PM10
1,3-Dichloropropane #	<2	<2										<2	µg/l	TM15/PM10
Dibromochloromethane #	<2	<2										<2	µg/l	TM15/PM10
1,2-Dibromoethane #	<2	<2										<2	µg/l	TM15/PM10
Chlorobenzene #	<2	<2										<2	µg/l	TM15/PM10
1,1,1,2-Tetrachloroethane #	<2	<2										<2	µg/l	TM15/PM10
Ethylbenzene #	<3	<3										<3	µg/l	TM15/PM10
p/m-Xylene #	<5	<5										<5	µg/l	TM15/PM10
o-Xylene #	<3	<3										<3	µg/l	TM15/PM10
Styrene #	<2	<2										<2	µg/l	TM15/PM10
Bromoform #	<2	<2										<2	µg/l	TM15/PM10
Isopropylbenzene #	<3	<3										<3	µg/l	TM15/PM10
1,1,2,2-Tetrachloroethane	<4	<4										<4	µg/l	TM15/PM10
Bromobenzene #	<2	<2										<2	µg/l	TM15/PM10
1,2,3-Trichloropropane #	<3	<3										<3	µg/l	TM15/PM10
Propylbenzene #	<3	<3										<3	µg/l	TM15/PM10
2-Chlorotoluene #	<3	<3										<3	µg/l	TM15/PM10
1,3,5-Trimethylbenzene #	<3	<3										<3	µg/l	TM15/PM10
4-Chlorotoluene #	<3	<3										<3	µg/l	TM15/PM10
tert-Butylbenzene #	<3	<3										<3	µg/l	TM15/PM10
1,2,4-Trimethylbenzene #	<3	<3										<3	µg/l	TM15/PM10
sec-Butylbenzene #	<3	<3										<3	µg/l	TM15/PM10
4-Isopropyltoluene #	<3	<3										<3	µg/l	TM15/PM10
1,3-Dichlorobenzene #	<3	<3										<3	µg/l	TM15/PM10
1,4-Dichlorobenzene #	<3	<3										<3	µg/l	TM15/PM10
n-Butylbenzene #	<3	<3										<3	µg/l	TM15/PM10
1,2-Dichlorobenzene #	<3	<3										<3	µg/l	TM15/PM10
1,2-Dibromo-3-chloropropane	<2	<2										<2	µg/l	TM15/PM10
1,2,4-Trichlorobenzene	<3	<3										<3	µg/l	TM15/PM10
Hexachlorobutadiene #	<3	<3										<3	µg/l	TM15/PM10
Naphthalene	<2	<2										<2	µg/l	TM15/PM10
1,2,3-Trichlorobenzene	<3	<3										<3	µg/l	TM15/PM10

Please see attached notes for all abbreviations and acronyms

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NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

SOILS

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. Your final report will reflect this, with non-MCERTS results on separate pages.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Asbestos screens where requested will be undertaken by a UKAS accredited laboratory.

WATERS

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory. It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples. All samples are treated as groundwaters and analysis performed on settled samples unless we are instructed otherwise.

DEVIATING SAMPLES

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any analysis that may be compromised highlighted on your schedule/ report by the use of a symbol.

The use of any of the following symbols indicates that the sample was deviating and the test result may be unreliable:

- \$ sample temperature on receipt considered inappropriate for analysis requested
- ^ samples exceeding recommended holding times
- & samples received in inappropriate containers (e.g. volatile samples not submitted in VOC jars/vials)
- ~ no sampling date given, unable to confirm if samples are with acceptable holding times

ABBREVIATIONS and ACRONYMS USED

- # - UKAS accredited
- M - MCERTS accredited
- NAD - No Asbestos Detected
- ND - None Detected (usually refers to VOC and/SVOC TICs)
- SS - Calibrated against a single substance
- * - analysis subcontracted to a Jones Environmental approved laboratory.
- W - Results expressed on as received basis
- + Failed AQC results should be considered as indicative only and are not accredited.
- ++ Result outside calibration range, may be possible to re-run with higher detection limits