

Validated   
 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

\* ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: SOLID  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRIO_TP2 1	PRIO_TP2 7	PRIO_TP2 7	PRIO_TP2 8	PRIO_TP2 8	PRIO_TP2 9	PRIO_TP2 9	PRIO_TP3 0	PRIO_TP3 0	Method Code	LoD/Units
Depth (m)	0.5	0.5	2.5	0.5	2.5	1.5	3.0	0.5	1.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	19.02.08	19.02.08	19.02.08	19.02.08	19.02.08	19.02.08	19.02.08	19.02.08	19.02.08		
Sample Received Date	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08		
Batch	10	10	10	10	10	10	10	10	10		
Sample Number(s)	442-444	445-447	451-453	457-459	463-465	469-471	475-477	478-480	481-483		
GRO (C4-C12)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
MIBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 <sup>M</sup>	<10 ug/kg
Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 <sup>M</sup>	<10 ug/kg
Toluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 <sup>M</sup>	<10 ug/kg
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 <sup>M</sup>	<10 ug/kg
m & p Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 <sup>M</sup>	<10 ug/kg
o Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089 <sup>M</sup>	<10 ug/kg
Aliphatics C5-C6	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	5000	<100	<100	<100	<100	<100	<100	2300	<100	TM173 <sup>d</sup>	<100 ug/kg
Aliphatics >C16-C21	38000	<100	750	<100	<100	<100	<100	4700	<100	TM173 <sup>d</sup>	<100 ug/kg
Aliphatics >C21-C35	27000	8800	5000	14000	<100	<100	3500	25000	2700	TM173 <sup>d</sup>	<100 ug/kg
Total Aliphatics C5-C35	70000	8800	5700	14000	<100	<100	3500	32000	2700	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC12-EC16	2100	<100	<100	<100	<100	<100	<100	2700	<100	TM173 <sup>d</sup>	<100 ug/kg
Aromatics >EC16-EC21	6300	<100	<100	<100	<100	<100	380	9700	<100	TM173 <sup>d</sup>	<100 ug/kg
Aromatics >EC21-EC35	31000	4700	2100	2800	2200	<100	3600	77000	4400	TM173 <sup>d</sup>	<100 ug/kg
Total Aromatics C6-C35	39000	4700	2100	2800	2200	<100	4000	90000	4400	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	110000	13000	7900	17000	2200	<100	7400	120000	7100	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 27.02.2008

# ALcontrol Laboratories Analytical Services Sample Descriptions

Job Number: 08/01512/10/01  
Client: URS Ireland Limited  
Client Ref :

Grain sizes  
<0.063mm      Very Fine  
0.1mm - 0.063mm      Fine  
0.1mm - 2mm      Medium  
2mm - 10mm      Coarse  
>10mm      Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
PRIO_TK21	0.5	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP27	0.5	Brown	0.1mm - 2mm	Sand with some Stones	10
PRIO_TP27	2.5	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP28	0.5	Brown	0.1mm - 2mm	Sand with some Stones	10
PRIO_TP28	2.5	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP29	1.5	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP29	3.0	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP30	0.5	Brown	0.1mm - 2mm	Sand with some Stones	10
PRIO_TP30	1.5	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP31	0.5	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP31	3.8	Dark Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP32	0.5	Brown	0.1mm - 2mm	Sandy Clay with some Stones	10
PRIO_TP32	2.5	Dark Brown	0.1mm - 2mm	Sandy Clay with some Stones	10

\* These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials-whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

<sup>1</sup> Sample Description supplied by client



## ALcontrol Laboratories Analytical Services Table Of Results - Appendix

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Report Key :**

NDP No Determination Possible  
 NFD No Fibres Detected  
 # ISO 17025 accredited  
 PFD Possible Fibres Detected

\* Subcontracted test  
 » Result previously reported (Incremental reports only)  
 M MCERTS Accredited  
 EC Equivalent Carbon (Aromatics C8-C35)

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10<sup>-7</sup>

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

**Summary of Method Codes contained within report :**

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample <sup>1</sup>	Surrogate Corrected
TM61/89		see TM061 and TM089 for details			WET	

<sup>1</sup>Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

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**ALcontrol Laboratories Analytical Services**  
**Table Of Results**

\* ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: LEACHATE  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRJO_TP2 0	PRJO_TP2 3	PRJO_TP2 6							Method Code	LoD/Units
Depth (m)	3.5	1.5	0.5								
Sample Type	SOLID	SOLID	SOLID								
Sampled Date	18.02.08	18.02.08	18.02.08								
Sample Received Date	20.02.08	20.02.08	20.02.08								
Batch	9	9	9								
Sample Number(s)	373-375	397-399	430-432								
Arsenic Dissolved (NRA) (ICP-MS)	1	4	14							TM152	<1 ug/l
Beryllium Dissolved (NRA) (ICP-MS)	<1	<1	<1							TM152	<1 ug/l
Cadmium Dissolved (NRA) (ICP-MS)	<0.5	<0.5	<0.5							TM152	<0.5 ug/l
Chromium Dissolved (NRA) (ICP-MS)	<1	<1	7							TM152	<1 ug/l
Copper Dissolved (NRA) (ICP-MS)	<1.6	<1.6	8.4							TM152	<1.6 ug/l
Lead Dissolved (NRA) (ICP-MS)	<0.5	0.7	0.6							TM152	<0.5 ug/l
Nickel Dissolved (NRA) (ICP-MS)	<1.5	<1.5	<1.5							TM152	<1.5 ug/l
Vanadium Dissolved (NRA) (ICP-MS)	1	<1	39							TM152	<1 ug/l
Zinc Dissolved (NRA) (ICP-MS)	<5	<5	<5							TM152	<5 ug/l
Mercury Dissolved (NRA) (CVAF)										TM183	<0.01 ug/l

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# ALcontrol Laboratories Analytical Services

## Table Of Results

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 \* Subcontracted test  
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**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** SOLID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O' Hannelly

Sample Identity	PRIO_TP2	PRIO_TP2	PRIO_TP2	PRIO_TP2	PRIO_TP2	PRIO_TP2	Method Code	LOD/Units
	4	4	5	5	6	6		
Depth (m)	1.5	2.5	0.5	1.5	0.5	3.0		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08		
Sample Received Date	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08		
Batch	9	9	9	9	9	9		
Sample Number(s)	409-411	412-414	418-420	421-423	430-432	439-441		
GRO (C4-C12)	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
MTBE	<10	<10	<10	<10	<10	<10	TM089 <sup>#</sup>	<10 ug/kg
Benzene	<10	<10	<10	<10	<10	<10	TM089 <sup>#M</sup>	<10 ug/kg
Toluene	<10	<10	<10	<10	<10	<10	TM089 <sup>#M</sup>	<10 ug/kg
Ethyl benzene	<10	<10	<10	<10	<10	<10	TM089 <sup>#M</sup>	<10 ug/kg
m & p Xylene	<10	<10	<10	<10	<10	<10	TM089 <sup>#M</sup>	<10 ug/kg
o Xylene	<10	<10	<10	<10	<10	<10	TM089 <sup>#M</sup>	<10 ug/kg
Aliphatics C5-C6	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aliphatics >C12-C16	<100	<100	5100	25000	14000	<100	TM173 <sup>#</sup>	<100 ug/kg
Aliphatics >C16-C21	<100	<100	8200	68000	47000	<100	TM173 <sup>#</sup>	<100 ug/kg
Aliphatics >C21-C35	1100	<100	110000	38000	57000	<100	TM173 <sup>#</sup>	<100 ug/kg
Total Aliphatics C5-C35	1100	<100	120000	130000	120000	<100	TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10	TM089	<10 ug/kg
Aromatics >FC12-FC16	<100	<100	780	8300	9100	<100	TM173 <sup>#</sup>	<100 ug/kg
Aromatics >FC16-FC21	<100	<100	440	140000	68000	<100	TM173 <sup>#</sup>	<100 ug/kg
Aromatics >EC21-EC35	6100	<100	3200	66000	200000	<100	TM173 <sup>#</sup>	<100 ug/kg
Total Aromatics C6-C35	6100	<100	4400	220000	280000	<100	TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	7200	<100	130000	350000	400000	<100	TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 27.02.2008

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 Preliminary

## ALcontrol Laboratories Analytical Services Table Of Results

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 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: SOLID  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRIO_IF0 4	PRIO_TP2 0	PRIO_TP2 0	PRIO_TP2 1	PRIO_TP2 1	PRIO_TP2 2	PRIO_TP2 2	PRIO_TP2 3	PRIO_TP2 3	Method Code	LoD/Units
Depth (m)		0.5	3.5	1.5	2.5	0.5	3.1	1.5	3.5		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08		
Sample Received Date	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08		
Batch	9	9	9	9	9	9	9	9	9		
Sample Number(s)	361-363	364-366	373-375	379-381	382-384	385-387	391-393	397-399	403-405		
<b>PAH by GCMS</b>											
Naphthalene	61	44	21	88	15	13	22	21	3100	TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Acenaphthylene	<5	5	<5	6	<5	<5	<5	<5	77	TM074 <sup>#</sup> <sub>M</sub>	<5 ug/kg
Acenaphthene	36	<14	<14	48	<14	<14	<14	<14	67	TM074 <sup>#</sup> <sub>M</sub>	<14 ug/kg
Fluorene	46	86	<12	37	<12	15	<12	36	2000	TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Phenanthrene	250	77	35	230	<21	24	33	<21	390	TM074 <sup>#</sup> <sub>M</sub>	<21 ug/kg
Anthracene	50	11	<9	35	<9	<9	<9	<9	99	TM074 <sup>#</sup> <sub>M</sub>	<9 ug/kg
Fluoranthene	290	69	<25	150	<25	<25	<25	<25	63	TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg
Pyrene	250	61	<22	130	<22	<22	<22	<22	100	TM074 <sup>#</sup> <sub>M</sub>	<22 ug/kg
Benz(a)anthracene	130	63	32	69	29	31	21	22	58	TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Chrysene	170	60	19	83	16	15	21	20	46	TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Benzo(b)fluoranthene	140	53	18	91	<16	17	18	17	32	TM074 <sup>#</sup> <sub>M</sub>	<16 ug/kg
Benzo(k)fluoranthene	38	28	<25	33	<25	<25	<25	<25	<25	TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg
Benzo(a)pyrene	58	41	<12	58	<12	<12	<12	<12	16	TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Indeno(123cd)pyrene	20	27	<11	26	<11	<11	<11	<11	<11	TM074 <sup>#</sup> <sub>M</sub>	<11 ug/kg
Dibenzo(ah)anthracene	9	8	<8	<8	<8	<8	<8	<8	<8	TM074 <sup>#</sup> <sub>M</sub>	<8 ug/kg
Benzo(ghi)perylene	24	41	<10	32	<10	<10	<10	<10	<10	TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
PAH 16 Total	1600	670	130	1100	60	120	120	120	6100	TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg

All results expressed on a dry weight basis.

Date 27.02.2008

## ALcontrol Laboratories Analytical Services Sample Descriptions

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref :**

**Grain sizes**  
 <0.063mm      Very Fine  
 0.1mm - 0.063mm      Fine  
 0.1mm - 2mm      Medium  
 2mm - 10mm      Coarse  
 >10mm      Very Coarse

Sample Identity	Depth (m)	Colour	Grain Size	Description	Batch
PRIO_IF04		Dark Grey	0.1mm - 2mm	Sandy Loam with some Stones	9
PRIO_TP20	0.5	Dark Brown	0.1mm - 0.063mm	Sandy Silt Loam with some Stones	9
PRIO_TP20	3.5	Brown	0.1mm - 0.063mm	Clay with some Stones	9
PRIO_TP21	1.5	Brown	0.1mm - 0.063mm	Clay with some Stones	9
PRIO_TP21	2.5	Brown	0.1mm - 0.063mm	Silty Clay Loam with some Stones	9
PRIO_TP22	0.5	Dark Brown	0.1mm - 2mm	Sandy Silt Loam with some Stones	9
PRIO_TP22	3.1	Brown	0.1mm - 0.063mm	Silty Clay Loam with some Stones	9
PRIO_TP23	1.5	Dark Brown	0.1mm - 0.063mm	Sandy Silt Loam with some Stones	9
PRIO_TP23	3.5	Brown	0.1mm - 2mm	Sandy Clay Loam with some Stones	9
PRIO_TP24	1.5	Dark Brown	0.1mm - 0.063mm	Sandy Clay Loam with some Stones	9
PRIO_TP24	2.5	Dark Brown	0.1mm - 0.063mm	Silty Clay Loam with some Stones	9
PRIO_TP25	0.5	Brown	0.1mm - 2mm	Sandy Silt Loam with some Stones	9
PRIO_TP25	1.5	Brown	0.1mm - 0.063mm	Sandy Silt Loam with some Stones	9
PRIO_TP26	0.5	Dark Brown	0.1mm - 2mm	Sandy Loam with some Stones	9
PRIO_TP26	3.0	Brown	0.1mm - 0.063mm	Sandy Silt Loam with some Stones	9

\* These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials-whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

<sup>1</sup> Sample Description supplied by client





# ALcontrol Laboratories Analytical Services

## Table Of Results - Appendix

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

### Report Key :

NDP No Determination Possible \* Subcontracted test  
 NFD No Fibres Detected » Result previously reported (Incremental reports only)  
 # ISO 17025 accredited M MCERTS Accredited  
 PFD Possible Fibres Detected EC Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

### Summary of Method Codes contained within report :

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample <sup>1</sup>	Surrogate Corrected
TM062	MEWAM BOOK 124 1988 HMSO/ Method 17.7, Second Site property, March 2003	Determination of Phenolic compounds by HPLC with electro-chemical detection	✓	✓	WET	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS MCERTS Accreditation on Soils for Naphthalene except when Kerosene present	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓	✓	DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS			NA	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM183	BS EN 23506:2002, (BS 6068-2:74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry			NA	

<sup>1</sup> Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

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 Preliminary

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# ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
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**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** SOLID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O' Hannelly

Sample Identity	PRIO_TP2 4	PRIO_TP2 4	PRIO_TP2 5	PRIO_TP2 5	PRIO_TP2 6	PRIO_TP2 6				Method Code	Lot/Units
Depth (m)	1.5	2.5	0.5	1.5	0.5	3.0					
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID					
Sampled Date	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08					
Sample Received Date	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08					
Batch	9	9	9	9	9	9					
Sample Number(s)	409-411	412-414	418-420	421-423	430-432	439-441					
<b>PAH by GCMS</b>											
Naphthalene	12	15	270	590	490	23				TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Acenaphthylene	<5	<5	<5	29	69	<5				TM074 <sup>#</sup> <sub>M</sub>	<5 ug/kg
Acenaphthene	<14	<14	<14	22	720	<14				TM074 <sup>#</sup> <sub>M</sub>	<14 ug/kg
Fluorene	<12	<12	18	1600	870	<12				TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Phenanthrene	<21	<21	260	280	6400	60				TM074 <sup>#</sup> <sub>M</sub>	<21 ug/kg
Anthracene	<9	<9	<9	40	1600	9				TM074 <sup>#</sup> <sub>M</sub>	<9 ug/kg
Fluoranthene	<25	<25	52	33	9400	65				TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg
Pyrene	<22	<22	35	35	7300	58				TM074 <sup>#</sup> <sub>M</sub>	<22 ug/kg
Benz(a)anthracene	21	22	61	35	4100	44				TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Chrysene	<10	<10	74	22	4500	45				TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Benzo(b)fluoranthene	<16	<16	47	20	5100	48				TM074 <sup>#</sup> <sub>M</sub>	<16 ug/kg
Benzo(k)fluoranthene	<25	<25	<25	<25	1200	<25				TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg
Benzo(a)pyrene	<12	<12	27	<12	3600	27				TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Indeno(123cd)pyrene	<11	<11	<11	<11	1800	11				TM074 <sup>#</sup> <sub>M</sub>	<11 ug/kg
Dibenzo(ah)anthracene	<8	<8	<8	<8	830	<8				TM074 <sup>#</sup> <sub>M</sub>	<8 ug/kg
Benzo(ghi)perylene	<10	<10	23	<10	1900	14				TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
PAH 16 Total	33	37	870	2700	50000	400				TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg

All results expressed on a dry weight basis.

Date 28.02.2008

Validated   
 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

\* ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** SOLID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O' Hannelly

Sample Identity	PRIO_TP2 4	PRIO_TP2 4	PRIO_TP2 5	PRIO_TP2 5	PRIO_TP2 6	PRIO_TP2 6					Method Code	LOD/Units
Depth (m)	1.5	2.5	0.5	1.5	0.5	3.0						
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID						
Sampled Date	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08	18.02.08						
Sample Received Date	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08	20.02.08						
Batch	9	9	9	9	9	9						
Sample Number(s)	409-411	412-414	418-420	421-423	430-432	439-441						
GRO (C4-C12)	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
MTBE	<10	<10	<10	<10	<10	<10					TM089 <sup>#</sup>	<10 ug/kg
Benzene	<10	<10	<10	<10	<10	<10					TM089 <sup>#M</sup>	<10 ug/kg
Toluene	<10	<10	<10	<10	<10	<10					TM089 <sup>#M</sup>	<10 ug/kg
Ethyl benzene	<10	<10	<10	<10	<10	<10					TM089 <sup>#M</sup>	<10 ug/kg
m & p Xylene	<10	<10	<10	<10	<10	<10					TM089 <sup>#M</sup>	<10 ug/kg
o Xylene	<10	<10	<10	<10	<10	<10					TM089 <sup>#M</sup>	<10 ug/kg
Aliphatics C5-C6	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aliphatics >C12-C16	<100	<100	5100	25000	14000	<100					TM173 <sup>#</sup>	<100 ug/kg
Aliphatics >C16-C21	<100	<100	8200	68000	47000	<100					TM173 <sup>#</sup>	<100 ug/kg
Aliphatics >C21-C35	1100	<100	110000	38000	57000	<100					TM173 <sup>#</sup>	<100 ug/kg
Total Aliphatics C5-C35	1100	<100	120000	130000	120000	<100					TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10					TM089	<10 ug/kg
Aromatics >EC12-EC16	<100	<100	780	8300	9100	<100					TM173 <sup>#</sup>	<100 ug/kg
Aromatics >EC16-EC21	<100	<100	440	140000	68000	<100					TM173 <sup>#</sup>	<100 ug/kg
Aromatics >EC21-EC35	6100	<100	3200	66000	200000	<100					TM173 <sup>#</sup>	<100 ug/kg
Total Aromatics C6-C35	6100	<100	4400	220000	280000	<100					TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	7200	<100	130000	350000	400000	<100					TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 28.02.2008

Validated   
 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

\* ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** SOLID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O' Hannelly

Sample Identity	PRIO_DU P01	PRIO_TP3 3	PRIO_TP3 3	PRIO_TP3 4	PRIO_TP3 4	PRIO_TP3 5	PRIO_TP3 5	PRIO_TP3 6	PRIO_TP3 6	Method Code	LoD/Units
Depth (m)		2	3	1.5	2.5	0.5	3.7	2	3.7		
Sample Type	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID		
Sampled Date	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08	21.02.08		
Sample Received Date	23.02.08	23.02.08	23.02.08	23.02.08	23.02.08	23.02.08	23.02.08	23.02.08	23.02.08		
Batch	11	11	11	11	11	11	11	11	11		
Sample Number(s)	505-507	508-510	511-513	517-519	520-522	526-528	532-534	535-537	538-540		
<b>PAH by GCMS</b>											
Naphthalene	180	26	78	81	33	90	59	21	40	TM074 <sup>M</sup>	<10 ug/kg
Acenaphthylene	<25	<5	<5	<5	<5	7	<5	19	<5	TM074 <sup>M</sup>	<5 ug/kg
Acenaphthene	<70	<14	14	<14	<14	<14	<14	200	<14	TM074 <sup>M</sup>	<14 ug/kg
Fluorene	<60	<12	13	<12	<12	<12	<12	190	<12	TM074 <sup>M</sup>	<12 ug/kg
Phenanthrene	270	22	66	100	25	140	25	1300	34	TM074 <sup>M</sup>	<21 ug/kg
Anthracene	<45	<9	<9	15	<9	20	<9	450	<9	TM074 <sup>M</sup>	<9 ug/kg
Fluoranthene	290	<25	42	130	29	160	<25	2200	<25	TM074 <sup>M</sup>	<25 ug/kg
Pyrene	230	<22	41	110	22	150	<22	1500	<22	TM074 <sup>M</sup>	<22 ug/kg
Benz(a)anthracene	150	21	29	92	28	98	16	1000	27	TM074 <sup>M</sup>	<12 ug/kg
Chrysene	180	15	48	100	17	110	26	940	26	TM074 <sup>M</sup>	<10 ug/kg
Benzo(b)fluoranthene	200	<16	34	110	19	120	<16	1000	20	TM074 <sup>M</sup>	<16 ug/kg
Benzo(k)fluoranthene	<125	<25	<25	40	<25	44	<25	390	<25	TM074 <sup>M</sup>	<25 ug/kg
Benzo(a)pyrene	140	<12	13	79	15	85	<12	750	<12	TM074 <sup>M</sup>	<12 ug/kg
Indeno(123cd)pyrene	58	<11	<11	37	<11	38	<11	350	<11	TM074 <sup>M</sup>	<11 ug/kg
Dibenzo(ah)anthracene	<40	<8	<8	14	<8	13	<8	150	<8	TM074 <sup>M</sup>	<8 ug/kg
Benzo(ghi)perylene	93	<10	11	63	12	62	<10	410	<10	TM074 <sup>M</sup>	<10 ug/kg
PAH 16 Total	1800	84	390	980	200	1100	130	11000	150	TM074 <sup>M</sup>	<25 ug/kg

All results expressed on a dry weight basis.

Date 03.03.2008

Validated   
 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

\* ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: SOLID  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRIO_TP3 7	PRIO_TP3 7								Method Code	Lod/Units
Depth (m)	0.5	4									
Sample Type	SOLID	SOLID									
Sampled Date	21.02.08	21.02.08									
Sample Received Date	23.02.08	23.02.08									
Batch	11	11									
Sample Number(s)	541-543	547-549									
GRO (C4-C12)	<10	<10								TM089	<10 ug/kg
MTBE	<10	<10								TM089 <sup>#</sup>	<10 ug/kg
Benzene	<10	<10								TM089 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Toluene	<10	<10								TM089 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Ethyl benzene	<10	<10								TM089 <sup>#</sup> <sub>M</sub>	<10 ug/kg
m & p Xylene	<10	<10								TM089 <sup>#</sup> <sub>M</sub>	<10 ug/kg
o Xylene	<10	<10								TM089 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Aliphatics C5-C6	<10	<10								TM089	<10 ug/kg
Aliphatics >C6-C8	<10	<10								TM089	<10 ug/kg
Aliphatics >C8-C10	<10	<10								TM089	<10 ug/kg
Aliphatics >C10-C12	<10	<10								TM089	<10 ug/kg
Aliphatics >C12-C16	220	<100								TM173 <sup>#</sup>	<100 ug/kg
Aliphatics >C16-C21	1900	<100								TM173 <sup>#</sup>	<100 ug/kg
Aliphatics >C21-C35	33000	<100								TM173 <sup>#</sup>	<100 ug/kg
Total Aliphatics C5-C35	35000	<100								TM61/89	<100 ug/kg
Aromatics C6-C7	<10	<10								TM089	<10 ug/kg
Aromatics >C7-C8	<10	<10								TM089	<10 ug/kg
Aromatics >EC8-EC10	<10	<10								TM089	<10 ug/kg
Aromatics >EC10-EC12	<10	<10								TM089	<10 ug/kg
Aromatics >EC12-EC16	<100	<100								TM173 <sup>#</sup>	<100 ug/kg
Aromatics >EC16-EC21	<100	<100								TM173 <sup>#</sup>	<100 ug/kg
Aromatics >EC21-EC35	36000	<100								TM173 <sup>#</sup>	<100 ug/kg
Total Aromatics C6-C35	36000	<100								TM61/89	<100 ug/kg
TPH (Aliphatics and Aromatics C5-C35)	71000	<100								TM61/89	<100 ug/kg

All results expressed on a dry weight basis.

Date 03.03.2008

Validated   
 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

# ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: SOLID  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRIO_TP3 7	PRIO_TP3 7									Method Code	Lod/Units
Depth (m)	0.5	4										
Sample Type	SOLID	SOLID										
Sampled Date	21.02.08	21.02.08										
Sample Received Date	23.02.08	23.02.08										
Batch	11	11										
Sample Number(s)	541-543	547-549										
<b>PAH by GCMS</b>												
Naphthalene	29	41									TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Acenaphthylene	16	<5									TM074 <sup>#</sup> <sub>M</sub>	<5 ug/kg
Acenaphthene	<14	<14									TM074 <sup>#</sup> <sub>M</sub>	<14 ug/kg
Fluorene	<12	<12									TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Phenanthrene	140	<21									TM074 <sup>#</sup> <sub>M</sub>	<21 ug/kg
Anthracene	64	<9									TM074 <sup>#</sup> <sub>M</sub>	<9 ug/kg
Fluoranthene	600	<25									TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg
Pyrene	540	<22									TM074 <sup>#</sup> <sub>M</sub>	<22 ug/kg
Benz(a)anthracene	530	16									TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Chrysene	490	18									TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
Benzo(b)fluoranthene	650	<16									TM074 <sup>#</sup> <sub>M</sub>	<16 ug/kg
Benzo(k)fluoranthene	230	<25									TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg
Benzo(a)pyrene	470	<12									TM074 <sup>#</sup> <sub>M</sub>	<12 ug/kg
Indeno(123cd)pyrene	220	<11									TM074 <sup>#</sup> <sub>M</sub>	<11 ug/kg
Dibenzo(ah)anthracene	61	<8									TM074 <sup>#</sup> <sub>M</sub>	<8 ug/kg
Benzo(ghi)perylene	240	<10									TM074 <sup>#</sup> <sub>M</sub>	<10 ug/kg
PAH 16 Total	4300	75									TM074 <sup>#</sup> <sub>M</sub>	<25 ug/kg

All results expressed on a dry weight basis.

Date 03.03.2008

# ALcontrol Laboratories Analytical Services

## Table Of Results - Appendix

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

**Report Key :**

Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10<sup>-7</sup>

NDP No Determination Possible \* Subcontracted test  
 NFD No Fibres Detected » Result previously reported (Incremental reports only)  
 # ISO 17025 accredited M MCERTS Accredited  
 PFD Possible Fibres Detected EC Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

**Summary of Method Codes contained within report :**

Method No.	Reference	Description	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample <sup>1</sup>	Surrogate Corrected
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓		DRY	
TM074	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS. MCERTS Accreditation on Soils for Naphthalene except when Kerosene present.	✓	✓	DRY	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)			WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓		WET	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓	✓	WET	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer			DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓		DRY	
TM129	Method 3120B, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 3050B	Determination of Metal Cations by IRIS Emission Spectrometer	✓	✓	DRY	
TM132	In - house Method	ELTRA CS800 Operators Guide	✓	✓	DRY	
TM133	BS 1377: Part 3 1990	Determination of pH in Soil and Water using the GLpH pH Meter	✓	✓	WET	
TM173		Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GC-FID	✓		DRY	
TM61/89		see TM061 and TM089 for details			WET	

<sup>1</sup> Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.





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 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

# ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** LIQUID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O' Hannelly

Sample Identity	PRIO_DU P01	PRIO_MW 01	PRIO_MW 02	PRIO_MW 03	PRIO_MW 04	PRIO_MW 05	PRIO_MW 06	PRIO_MW 07	PRIO_MW 08	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08		
Sample Received Date	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08		
Batch	12	12	12	12	12	12	12	12	12		
Sample Number(s)	550-553	554-557	558-561	562-565	566-569	570-573	574-577	578-581	582-585		
Arsenic Dissolved (ICP-MS)	<1	1	<1	<1	6	1	<1	1	2	TM152 <sup>#</sup>	<1 ug/l
Beryllium Dissolved (ICP-MS)	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM152 <sup>#</sup>	<1 ug/l
Cadmium Dissolved (ICP-MS)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	TM152 <sup>#</sup>	<0.5 ug/l
Chromium Dissolved (ICP-MS)	2	3	4	2	2	2	2	4	3	TM152 <sup>#</sup>	<1 ug/l
Copper Dissolved (ICP-MS)	<1.6	<1.6	<1.6	1.9	<1.6	4.8	<1.6	<1.6	3.1	TM152 <sup>#</sup>	<1.6 ug/l
Lead Dissolved (ICP-MS)	0.7	<0.5	0.7	1.8	<0.5	2.8	<0.5	<0.5	<0.5	TM152 <sup>#</sup>	<0.5 ug/l
Nickel Dissolved (ICP-MS)	3.6	5.1	2.5	2.2	2.8	1.6	3.1	1.7	3.5	TM152 <sup>#</sup>	<1.5 ug/l
Vanadium Dissolved (ICP-MS)	<1	<1	<1	<1	2	<1	<1	<1	3	TM152 <sup>#</sup>	<1 ug/l
Zinc Dissolved (ICP-MS)	<5	<5	<5	<5	<5	<5	<5	<5	<5	TM152 <sup>#</sup>	<5 ug/l
Mercury Dissolved (CVAF)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	TM183 <sup>#</sup>	<0.01 ug/l

Validated   
 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

\* ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** LIQUID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O' Hannelly

Sample Identity	PRIO_DU P01	PRIO_MW 01	PRIO_MW 02	PRIO_MW 03	PRIO_MW 04	PRIO_MW 05	PRIO_MW 06	PRIO_MW 07	PRIO_MW 08	Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08		
Sample Received Date	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08		
Batch	12	12	12	12	12	12	12	12	12		
Sample Number(s)	550-553	554-557	558-561	562-565	566-569	570-573	574-577	578-581	582-585		
GRO (C4-C12)	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
MTBE	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
Benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
Toluene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
Ethyl benzene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
m & p Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
o Xylene	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
Aliphatics C5-C6	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C6-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C8-C10	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C10-C12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM61/89	<10 ug/l
Aromatics C6-C7	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
Aromatics >C7-C8	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089*	<10 ug/l
Aromatics >C8-EC10	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aromatics >EC10-EC12	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM61/89	<10 ug/l
PI1 (Aliphatics and Aromatics C5-C35) Aqueous	<10	<10	<10	<10	<10	<10	<10	<10	<10	TM61/89	<10 ug/l

Date 17.03.2008

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 Preliminary

# ALcontrol Laboratories Analytical Services

## Table Of Results

# ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: LIQUID  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRIO_DU P01	PRIO_MW 01	PRIO_MW 02	PRIO_MW 03	PRIO_MW 04	PRIO_MW 05	PRIO_MW 06	PRIO_MW 07	PRIO_MW 08	Method Code	Lob/Units
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08		
Sample Received Date	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08		
Batch	12	12	12	12	12	12	12	12	12		
Sample Number(s)	550-553	554-557	558-561	562-565	566-569	570-573	574-577	578-581	582-585		
<b>PAH by GCMS</b>											
Naphthalene Aqueous	<100	<100	<100	<100	<100	<100	<100	<100	<100	TM178	<100 ng/l
Acenaphthylene Aqueous	<11	<11	<11	<11	<11	<11	<11	<11	<11	TM178	<11 ng/l
Acenaphthene Aqueous	<15	<15	<15	<15	<15	<15	<15	<15	<15	TM178	<15 ng/l
Fluorene Aqueous	<14	<14	<14	<14	<14	<14	<14	<14	<14	TM178	<14 ng/l
Phenanthrene Aqueous	<22	<22	<22	<22	<22	<22	<22	<22	<22	TM178	<22 ng/l
Anthracene Aqueous	<15	<15	<15	<15	<15	<15	<15	<15	<15	TM178	<15 ng/l
Fluoranthene Aqueous	<17	<17	<17	<17	<17	<17	<17	<17	18	TM178	<17 ng/l
Pyrene Aqueous	<15	<15	<15	<15	<15	<15	<15	<15	21	TM178	<15 ng/l
Benzo(a)anthracene Aqueous	<17	<17	<17	<17	<17	<17	<17	<17	41	TM178	<17 ng/l
Chrysene Aqueous	<13	<13	<13	<13	<13	<13	<13	<13	45	TM178	<13 ng/l
Benzo(b)fluoranthene Aqueous	<23	<23	<23	<23	<23	<23	<23	<23	58	TM178	<23 ng/l
Benzo(k)fluoranthene Aqueous	<27	<27	<27	<27	<27	<27	<27	<27	37	TM178	<27 ng/l
Benzo(a)pyrene Aqueous	<9	<9	<9	<9	<9	<9	<9	<9	35	TM178	<9 ng/l
Indeno(123cd)pyrene Aqueous	<14	<14	<14	<14	<14	<14	<14	<14	25	TM178	<14 ng/l
Dibenzo(ah)anthracene Aqueous	<16	<16	<16	<16	<16	<16	<16	<16	17	TM178	<16 ng/l
Benzo(ghi)perylene Aqueous	<16	<16	<16	<16	<16	<16	<16	<16	37	TM178	<16 ng/l
PAH 16 Total Aqueous	<100	<100	<100	<100	<100	<100	<100	<100	330	TM178	<100 ng/l

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**ALcontrol Laboratories Analytical Services**  
**Table Of Results**

\* ISO 17025 accredited  
 M MCFERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: LIQUID  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRIO_DU	PRIO_MW	PRIO_MW	PRIO_MW	PRIO_MW	PRIO_MW	PRIO_MW	PRIO_MW	PRIO_MW	Method Code	Lod/Units
	P01	01	02	03	04	05	06	07	08		
Depth (m)											
Sample Type	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID	LIQUID		
Sampled Date	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08	04.03.08		
Sample Received Date	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08	06.03.08		
Batch	12	12	12	12	12	12	12	12	12		
Sample Number(s)	550-553	554-557	558-561	562-565	566-569	570-573	574-577	578-581	582-585		
<b>Volatile Organic Compounds</b>											
Methyl Tertiary Butyl Ether	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 <sup>#</sup>	<1 ug/l
Benzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 <sup>#</sup>	<1 ug/l
Toluene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 <sup>#</sup>	<1 ug/l
Ethylbenzene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 <sup>#</sup>	<1 ug/l
p/m-Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 <sup>#</sup>	<1 ug/l
o-Xylene	<1	<1	<1	<1	<1	<1	<1	<1	<1	TM208 <sup>#</sup>	<1 ug/l

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**ALcontrol Laboratories Analytical Services**  
**Table Of Results**

\* ISO 17025 accredited  
 M MCERTS accredited  
 \* Subcontracted test  
 » Shown on prev. report

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** LIQUID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O'Hannelly

Sample Identity	PRIO_MW 09	TRIP BLANK								Method Code	LoD/Units
Depth (m)											
Sample Type	LIQUID	LIQUID									
Sampled Date	04.03.08	04.03.08									
Sample Received Date	06.03.08	06.03.08									
Batch	12	12									
Sample Number(s)	586-589	590									
Arsenic Dissolved (ICP-MS)	<1	-								TM152*	<1 ug/l
Beryllium Dissolved (ICP-MS)	<1	-								TM152*	<1 ug/l
Cadmium Dissolved (ICP-MS)	<0.5	-								TM152*	<0.5 ug/l
Chromium Dissolved (ICP-MS)	5	-								TM152*	<1 ug/l
Copper Dissolved (ICP-MS)	3.5	-								TM152*	<1.6 ug/l
Lead Dissolved (ICP-MS)	0.6	-								TM152*	<0.5 ug/l
Nickel Dissolved (ICP-MS)	3.4	-								TM152*	<1.5 ug/l
Vanadium Dissolved (ICP-MS)	2	-								TM152*	<1 ug/l
Zinc Dissolved (ICP-MS)	8	-								TM152*	<5 ug/l
Mercury Dissolved (CVAF)	<0.01	-								TM183*	<0.01 ug/l

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# ALcontrol Laboratories Analytical Services

## Table Of Results

# ISO 17025 accredited  
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 \* Subcontracted test  
 » Shown on prev. report

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Matrix:** LIQUID  
**Location:** PRIORY S/S  
**Client Contact:** Edel O' Hannelly

Sample Identity	PRIO_MW 09	TRIP BLANK									Method Code	LoD/Units
Depth (m)												
Sample Type	LIQUID	LIQUID										
Sampled Date	04.03.08	04.03.08										
Sample Received Date	06.03.08	06.03.08										
Batch	12	12										
Sample Number(s)	586-589	590										
Chloro (C4-C12)	<10	-									TM089 <sup>#</sup>	<10 ug/l
MTBE	<10	-									TM089 <sup>#</sup>	<10 ug/l
Benzene	<10	-									TM089 <sup>#</sup>	<10 ug/l
Toluene	<10	-									TM089 <sup>#</sup>	<10 ug/l
Ethyl benzene	<10	-									TM089 <sup>#</sup>	<10 ug/l
m & p Xylene	<10	-									TM089 <sup>#</sup>	<10 ug/l
o Xylene	<10	-									TM089 <sup>#</sup>	<10 ug/l
Aliphatics C5-C6	<10	-									TM089	<10 ug/l
Aliphatics >C6-C8	<10	-									TM089	<10 ug/l
Aliphatics >C8-C10	<10	-									TM089	<10 ug/l
Aliphatics >C10-C12	<10	-									TM089	<10 ug/l
Aliphatics >C12-C16 Aqueous	<10	-									TM174	<10 ug/l
Aliphatics >C16-C21 Aqueous	<10	-									TM174	<10 ug/l
Aliphatics >C21-C35 Aqueous	<10	-									TM174	<10 ug/l
Total Aliphatics C5-C35 Aqueous	<10	-									TM174	<10 ug/l
Aromatics C6-C7	<10	-									TM61/89	<10 ug/l
Aromatics >C7-C8	<10	-									TM089 <sup>#</sup>	<10 ug/l
Aromatics >EC8-EC10	<10	-									TM089 <sup>#</sup>	<10 ug/l
Aromatics >EC10-EC12	<10	-									TM089	<10 ug/l
Aromatics >EC12-EC16 Aqueous	<10	-									TM089	<10 ug/l
Aromatics >EC16-EC21 Aqueous	<10	-									TM174	<10 ug/l
Aromatics >EC21-EC35 Aqueous	<10	-									TM174	<10 ug/l
Total Aromatics C6-C35 Aqueous	<10	-									TM174	<10 ug/l
PH (Aliphatics and Aromatics C5-C35) Aqueous	<10	-									TM61/89	<10 ug/l
											TM61/89	<10 ug/l

Date 17.03.2008

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# ALcontrol Laboratories Analytical Services

## Table Of Results

\* ISO 17025 accredited  
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 \* Subcontracted test  
 » Shown on prev. report

Job Number: 08/01512/10/01  
 Client: URS Ireland Limited  
 Client Ref. No.:

Matrix: LIQUID  
 Location: PRIORY S/S  
 Client Contact: Edel O' Hannelly

Sample Identity	PRIO_MW 09	TRIP BLANK									Method Code	LOD/Units
Depth (m)												
Sample Type	LIQUID	LIQUID										
Sampled Date	04.03.08	04.03.08										
Sample Received Date	06.03.08	06.03.08										
Batch	12	12										
Sample Number(s)	586-589	590										
<b>PAH by GCMS</b>												
Naphthalene Aqueous	<100	-									TM178	<100 ng/l
Acenaphthylene Aqueous	<11	-									TM178	<11 ng/l
Acenaphthene Aqueous	<15	-									TM178	<15 ng/l
Fluorene Aqueous	<14	-									TM178	<14 ng/l
Phenanthrene Aqueous	<22	-									TM178	<22 ng/l
Anthracene Aqueous	<15	-									TM178	<15 ng/l
Fluoranthene Aqueous	<17	-									TM178	<17 ng/l
Pyrene Aqueous	<15	-									TM178	<15 ng/l
Benzo(a)anthracene Aqueous	<17	-									TM178	<17 ng/l
Chrysene Aqueous	<13	-									TM178	<13 ng/l
Benzo(b)fluoranthene Aqueous	<23	-									TM178	<23 ng/l
Benzo(k)fluoranthene Aqueous	<27	-									TM178	<27 ng/l
Benzo(a)pyrene Aqueous	<9	-									TM178	<9 ng/l
Indeno(123cd)pyrene Aqueous	<14	-									TM178	<14 ng/l
Dibenzo(ah)anthracene Aqueous	<16	-									TM178	<16 ng/l
Benzo(ghi)perylene Aqueous	<16	-									TM178	<16 ng/l
PAH 16 Total Aqueous	<100	-									TM178	<100 ng/l

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# ALcontrol Laboratories Analytical Services Table Of Results

# ISO 17025 accredited  
M MCERTS accredited  
\* Subcontracted test  
» Shown on prev. report

Job Number: 08/01512/10/01  
Client: URS Ireland Limited  
Client Ref. No.:

Matrix: LIQUID  
Location: PRIORY S/S  
Client Contact: Edel O' Hannelly

Sample Identity	PRIO_MW 09	TRIP BLANK													Method Code	LoD/Units
Depth (m)																
Sample Type	LIQUID	LIQUID														
Sampled Date	04.03.08	04.03.08														
Sample Received Date	06.03.08	06.03.08														
Batch	12	12														
Sample Number(s)	586-589	590														
<b>Volatile Organic Compounds</b>																
Methyl Tertiary Butyl Ether	<1	<1													TM208*	<1 ug/l
Benzene	<1	<1													TM208*	<1 ug/l
Toluene	<1	<1													TM208*	<1 ug/l
Ethylbenzene	<1	<1													TM208*	<1 ug/l
m-Xylene	<1	<1													TM208*	<1 ug/l
p-Xylene	<1	<1													TM208*	<1 ug/l

Date 17.03.2008

# ALcontrol Laboratories Analytical Services

## Table Of Results - Appendix

**Job Number:** 08/01512/10/01  
**Client:** URS Ireland Limited  
**Client Ref. No.:**

**Report Key :**

NDP	No Determination Possible	*	Results expressed as (e.g.) 1.03E-07 is equivalent to 1.03x10 <sup>-7</sup>
NFD	No Fibres Detected	»	Subcontracted test
#	ISO 17025 accredited	M	Result previously reported (Incremental reports only)
PFD	Possible Fibres Detected	EC	MCERTS Accredited
			Equivalent Carbon (Aromatics C8-C35)

Note: Method detection limits are not always achievable due to various circumstances beyond our control.

**Summary of Method Codes contained within report :**

Method No.	Reference	Description	Accredited	ISO 17025 Accredited	MCERTS Accredited	Wet/Dry Sample <sup>1</sup>	Surrogate Corrected
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)				NA	
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12)	✓			NA	
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS	✓			NA	
TM174		Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID				NA	
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters				NA	
TM183	BS EN 23506 2002, (BS 6068-2:74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry	✓			NA	
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters	✓			NA	
TM61/89		see TM061 and TM089 for details				NA	

<sup>1</sup> Applies to Solid samples only. DRY indicates samples have been dried at 35°C. NA = not applicable.

