

Page Number : 13 of 20
 Client : URS AUSTRALIA (NSW) PTY LTD
 Work Order : ES0709901



Analytical Results

Analytical Results				Client Sample ID :		207_18/07/07	317_19/07/07	MWCD1_19/07/07	205_20/07/07	MW01_2007/07
				Sample Matrix Type / Description :		WATER	WATER	WATER	WATER	WATER
				Sample Date / Time :		18 Jul 2007 15:00	19 Jul 2007 15:00	19 Jul 2007 15:00	20 Jul 2007 15:00	20 Jul 2007 15:00
				Laboratory Sample ID :						
Analyte	CAS number	LOR	Units	ES0709901-006	ES0709901-007	ES0709901-008	ES0709901-009	ES0709901-010		
EP074D: Fumigants										
1.2-Dibromoethane (EDB)	106-93-4	5	µg/L	<5	----	<5	<100	<5		
EP074E: Halogenated Aliphatic Compounds										
Dichlorodifluoromethane	75-71-8	50	µg/L	<50	----	<50	<1000	<50		
Chloromethane	74-87-3	50	µg/L	<50	----	<50	<1000	<50		
Vinyl chloride	75-01-4	50	µg/L	<50	----	<50	12700	<50		
Bromomethane	74-83-9	50	µg/L	<50	----	<50	<1000	<50		
Chloroethane	75-00-3	50	µg/L	<50	----	<50	<1000	<50		
Trichlorofluoromethane	75-69-4	50	µg/L	<50	----	<50	<1000	<50		
1.1-Dichloroethene	75-35-4	5	µg/L	<5	----	<5	384	<5		
Iodomethane	74-88-4	5	µg/L	<5	----	<5	<100	<5		
trans-1.2-Dichloroethene	156-60-5	5	µg/L	<5	----	<5	207	<5		
1.1-Dichloroethane	75-34-3	5	µg/L	<5	----	<5	2720	<5		
cis-1.2-Dichloroethene	156-59-2	5	µg/L	<5	----	<5	93800	<5		
1.1.1-Trichloroethane	71-55-6	5	µg/L	<5	----	<5	<100	<5		
1.1-Dichloropropylene	563-58-6	5	µg/L	<5	----	<5	<100	<5		
Carbon Tetrachloride	56-23-5	5	µg/L	<5	----	<5	<100	<5		
1.2-Dichloroethane	107-06-2	5	µg/L	<5	----	<5	<100	<5		
Trichloroethene	79-01-6	5	µg/L	<5	----	<5	1920	<5		
Dibromomethane	74-95-3	5	µg/L	<5	----	<5	<100	<5		
1.1.2-Trichloroethane	79-00-5	5	µg/L	<5	----	<5	<100	<5		
1.3-Dichloropropane	142-28-9	5	µg/L	<5	----	<5	<100	<5		
Tetrachloroethene	127-18-4	5	µg/L	<5	----	<5	22400	<5		
1.1.1.2-Tetrachloroethane	630-20-6	5	µg/L	<5	----	<5	<100	<5		
trans-1.4-Dichloro-2-butene	110-57-6	5	µg/L	<5	----	<5	<100	<5		
cis-1.4-Dichloro-2-butene	1476-11-5	5	µg/L	<5	----	<5	<100	<5		
1.1.2.2-Tetrachloroethane	79-34-5	5	µg/L	<5	----	<5	<100	<5		
1.2.3-Trichloropropane	96-18-4	5	µg/L	<5	----	<5	<100	<5		
Pentachloroethane	76-01-7	5	µg/L	<5	----	<5	<100	<5		
1.2-Dibromo-3-chloropropane	96-12-8	5	µg/L	<5	----	<5	<100	<5		
Hexachlorobutadiene	87-68-3	5	µg/L	<5	----	<5	<100	<5		
EP074F: Halogenated Aromatic Compounds										
Chlorobenzene	108-90-7	5	µg/L	<5	----	<5	<100	<5		
Bromobenzene	108-86-1	5	µg/L	<5	----	<5	<100	<5		
2-Chlorotoluene	95-49-8	5	µg/L	<5	----	<5	<100	<5		
4-Chlorotoluene	106-43-4	5	µg/L	<5	----	<5	<100	<5		
1.3-Dichlorobenzene	541-73-1	5	µg/L	<5	----	<5	<100	<5		
1.4-Dichlorobenzene	106-46-7	5	µg/L	<5	----	<5	<100	<5		

Page Number : 14 of 20
 Client : URS AUSTRALIA (NSW) PTY LTD
 Work Order : ES0709901



Analytical Results

				Client Sample ID : 207_18/07/07 WATER 18 Jul 2007 15:00 Laboratory Sample ID : ES0709901-006	317_19/07/07 WATER 19 Jul 2007 15:00 ES0709901-007	MWCD1_19/07/07 WATER 19 Jul 2007 15:00 ES0709901-008	205_20/07/07 WATER 20 Jul 2007 15:00 ES0709901-009	MW01_2007/07 WATER 20 Jul 2007 15:00 ES0709901-010
Analyte	CAS number	LOR	Units					
EP074F: Halogenated Aromatic Compounds								
1,2-Dichlorobenzene	95-50-1	5	µg/L	<5	----	<5	<100	<5
1,2,4-Trichlorobenzene	120-82-1	5	µg/L	<5	----	<5	<100	<5
1,2,3-Trichlorobenzene	87-61-6	5	µg/L	<5	----	<5	<100	<5
EP074G: Trihalomethanes								
Chloroform	67-66-3	5	µg/L	<5	----	<5	<100	<5
Bromodichloromethane	75-27-4	5	µg/L	<5	----	<5	<100	<5
Dibromochloromethane	124-48-1	5	µg/L	<5	----	<5	<100	<5
Bromoform	75-25-2	5	µg/L	<5	----	<5	<100	<5
EP074H: Naphthalene								
Naphthalene	91-20-3	7	µg/L	<7	----	<7	<100	<7
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	1.0	µg/L	<1.0	<1.0	<1.0	1.4	<1.0
Acenaphthylene	208-96-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Acenaphthene	83-32-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	86-73-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Phenanthrene	85-01-8	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Anthracene	120-12-7	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Fluoranthene	206-44-0	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Pyrene	129-00-0	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Benz(a)anthracene	56-55-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Chrysene	218-01-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(b)fluoranthene	205-99-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(k)fluoranthene	207-08-9	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)pyrene	50-32-8	0.5	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1,2,3-cd)pyrene	193-39-5	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenz(a,h)anthracene	53-70-3	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(g,h,i)perylene	191-24-2	1.0	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction		20	µg/L	<20	170	<20	195000	<20
C10 - C14 Fraction		50	µg/L	<50	<50	<50	240	<50
C15 - C28 Fraction		100	µg/L	<100	<100	<100	200	2000
C29 - C36 Fraction		50	µg/L	<50	<50	<50	<50	770
EP080: BTEX								
Benzene	71-43-2	1	µg/L	<1	<1	<1	<100	<1
Toluene	108-88-3	2	µg/L	<2	<2	<2	<100	<2
Ethylbenzene	100-41-4	2	µg/L	<2	<2	<2	<100	<2

Page Number : 15 of 20
 Client : URS AUSTRALIA (NSW) PTY LTD
 Work Order : ES0709901



Analytical Results

				Client Sample ID :	207_18/07/07	317_19/07/07	MWCD1_19/07/07	205_20/07/07	MW01_20/07/07
				Sample Matrix Type / Description :	WATER	WATER	WATER	WATER	WATER
				Sample Date / Time :	18 Jul 2007 15:00	19 Jul 2007 15:00	19 Jul 2007 15:00	20 Jul 2007 15:00	20 Jul 2007 15:00
				Laboratory Sample ID :					
Analyte	CAS number	LOR	Units		ES0709901-006	ES0709901-007	ES0709901-008	ES0709901-009	ES0709901-010
EP080: BTEX									
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L		<2	<2	<2	<100	<2
ortho-Xylene	95-47-6	2	µg/L		<2	<2	<2	<100	<2
EP074S: VOC Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.1	%		115	----	114	115	119
Toluene-D8	2037-26-5	0.1	%		107	----	110	100	110
4-Bromofluorobenzene	460-00-4	0.1	%		112	----	113	101	112
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.1	%		42.9	42.9	40.6	45.1	43.8
2-Chlorophenol-D4	93951-73-6	0.1	%		81.3	81.6	76.3	82.0	79.1
2,4,6-Tribromophenol	118-79-6	0.1	%		74.6	84.6	79.7	85.4	88.0
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.1	%		75.0	74.5	64.4	72.8	78.1
Anthracene-d10	1719-06-8	0.1	%		72.9	70.1	67.6	70.7	75.5
4-Terphenyl-d14	1718-51-0	0.1	%		68.6	69.3	69.6	67.5	73.1
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.1	%		124	119	128	108	119
Toluene-D8	2037-26-5	0.1	%		112	108	110	101	98.5
4-Bromofluorobenzene	460-00-4	0.1	%		119	116	118	103	99.1

Page Number : 16 of 20
 Client : URS AUSTRALIA (NSW) PTY LTD
 Work Order : ES0709901



Analytical Results

				Client Sample ID :	QC01_19/07/07	QC02_20/07/07	TRIP BLANKS	TRIP SPIKE	MW12
				Sample Matrix Type / Description :	WATER	WATER	WATER	WATER	WATER
				Sample Date / Time :	19 Jul 2007 15:00	20 Jul 2007 15:00	20 Jul 2007 15:00	(20 Jul 2007) (15:00)	(20 Jul 2007) (15:00)
				Laboratory Sample ID :					
Analyte	CAS number	LOR	Units		ES0709901-011	ES0709901-012	ES0709901-013	ES0709901-014	ES0709901-020
EG020F: Dissolved Metals by ICP-MS									
Arsenic	7440-38-2	0.001 mg/L			0.002	<0.001	----	----	0.016
Cadmium	7440-43-9	0.0001 mg/L			0.0001	<0.0001	----	----	0.0003
Chromium	7440-47-3	0.001 mg/L			<0.001	<0.001	----	----	<0.005
Copper	7440-50-8	0.001 mg/L			0.018	<0.001	----	----	0.007
Lead	7439-92-1	0.001 mg/L			0.002	<0.001	----	----	0.002
Nickel	7440-02-0	0.001 mg/L			0.027	<0.001	----	----	0.032
Zinc	7440-66-6	0.005 mg/L			0.081	<0.005	----	----	0.139
EG035F: Dissolved Mercury by FIMS									
Mercury	7439-97-6	0.0001 mg/L			<0.0001	<0.0001	----	----	<0.0001
EP074A: Monocyclic Aromatic Hydrocarbons									
Benzene	71-43-2	5 µg/L			<5	<5	<5	----	<5
Toluene	108-88-3	5 µg/L			<5	<5	<5	----	<5
Ethylbenzene	100-41-4	5 µg/L			<5	<5	<5	----	<5
meta- & para-Xylene	108-38-3	5 µg/L			<5	<5	<5	----	<5
	106-42-3								
Styrene	100-42-5	5 µg/L			<5	<5	<5	----	<5
ortho-Xylene	95-47-6	5 µg/L			<5	<5	<5	----	<5
Isopropylbenzene	98-82-8	5 µg/L			<5	<5	<5	----	<5
n-Propylbenzene	103-65-1	5 µg/L			<5	<5	<5	----	<5
1,3,5-Trimethylbenzene	108-67-8	5 µg/L			<5	<5	<5	----	<5
sec-Butylbenzene	135-98-8	5 µg/L			<5	<5	<5	----	<5
1,2,4-Trimethylbenzene	95-63-6	5 µg/L			<5	<5	<5	----	<5
tert-Butylbenzene	98-06-6	5 µg/L			<5	<5	<5	----	<5
p-Isopropyltoluene	99-87-6	5 µg/L			<5	<5	<5	----	<5
n-Butylbenzene	104-51-8	5 µg/L			<5	<5	<5	----	<5
EP074B: Oxygenated Compounds									
Vinyl Acetate	108-05-4	50 µg/L			<50	<50	<50	----	<50
2-Butanone (MEK)	78-93-3	50 µg/L			<50	<50	<50	----	<50
4-Methyl-2-pentanone (MIBK)	108-10-1	50 µg/L			<50	<50	<50	----	<50
2-Hexanone (MBK)	591-78-6	50 µg/L			<50	<50	<50	----	<50
EP074C: Sulfonated Compounds									
Carbon disulfide	75-15-0	5 µg/L			<5	<5	<5	----	<5
EP074D: Fumigants									
2,2-Dichloropropane	594-20-7	5 µg/L			<5	<5	<5	----	<5
1,2-Dichloropropane	78-87-5	5 µg/L			<5	<5	<5	----	<5
cis-1,3-Dichloropropylene	10061-01-5	5 µg/L			<5	<5	<5	----	<5
trans-1,3-Dichloropropylene	10061-02-6	5 µg/L			<5	<5	<5	----	<5

Page Number : 17 of 20
 Client : URS AUSTRALIA (NSW) PTY LTD
 Work Order : ES0709901



Analytical Results

				Client Sample ID : Sample Matrix Type / Description : Sample Date / Time : Laboratory Sample ID :	QC01_19/07/07 WATER 19 Jul 2007 15:00 ES0709901-011	QC02_20/07/07 WATER 20 Jul 2007 15:00 ES0709901-012	TRIP BLANKS WATER 20 Jul 2007 15:00 ES0709901-013	TRIP SPIKE WATER (20 Jul 2007) (15:00) ES0709901-014	MW12 WATER (20 Jul 2007) (15:00) ES0709901-020
Analyte	CAS number	LOR	Units						
EP074D: Fumigants									
1,2-Dibromoethane (EDB)	106-93-4	5	µg/L		<5	<5	<5	----	<5
EP074E: Halogenated Aliphatic Compounds									
Dichlorodifluoromethane	75-71-8	50	µg/L		<50	<50	<50	----	<50
Chloromethane	74-87-3	50	µg/L		<50	<50	<50	----	<50
Vinyl chloride	75-01-4	50	µg/L		<50	<50	<50	----	<50
Bromomethane	74-83-9	50	µg/L		<50	<50	<50	----	<50
Chloroethane	75-00-3	50	µg/L		<50	<50	<50	----	<50
Trichlorofluoromethane	75-69-4	50	µg/L		<50	<50	<50	----	<50
1,1-Dichloroethene	75-35-4	5	µg/L		<5	<5	<5	----	<5
Iodomethane	74-88-4	5	µg/L		<5	<5	<5	----	<5
trans-1,2-Dichloroethene	156-60-5	5	µg/L		<5	<5	<5	----	<5
1,1-Dichloroethane	75-34-3	5	µg/L		<5	<5	<5	----	<5
cis-1,2-Dichloroethene	156-59-2	5	µg/L		<5	<5	<5	----	<5
1,1,1-Trichloroethane	71-55-6	5	µg/L		<5	<5	<5	----	<5
1,1-Dichloropropylene	563-58-6	5	µg/L		<5	<5	<5	----	<5
Carbon Tetrachloride	56-23-5	5	µg/L		<5	<5	<5	----	<5
1,2-Dichloroethane	107-06-2	5	µg/L		<5	<5	<5	----	<5
Trichloroethene	79-01-6	5	µg/L		<5	<5	<5	----	<5
Dibromomethane	74-95-3	5	µg/L		<5	<5	<5	----	<5
1,1,2-Trichloroethane	79-00-5	5	µg/L		<5	<5	<5	----	<5
1,3-Dichloropropane	142-28-9	5	µg/L		<5	<5	<5	----	<5
Tetrachloroethene	127-18-4	5	µg/L		<5	<5	<5	----	<5
1,1,1,2-Tetrachloroethane	630-20-6	5	µg/L		<5	<5	<5	----	<5
trans-1,4-Dichloro-2-butene	110-57-6	5	µg/L		<5	<5	<5	----	<5
cis-1,4-Dichloro-2-butene	1476-11-5	5	µg/L		<5	<5	<5	----	<5
1,1,2,2-Tetrachloroethane	79-34-5	5	µg/L		<5	<5	<5	----	<5
1,2,3-Trichloropropane	96-18-4	5	µg/L		<5	<5	<5	----	<5
Pentachloroethane	76-01-7	5	µg/L		<5	<5	<5	----	<5
1,2-Dibromo-3-chloropropane	96-12-8	5	µg/L		<5	<5	<5	----	<5
Hexachlorobutadiene	87-68-3	5	µg/L		<5	<5	<5	----	<5
EP074F: Halogenated Aromatic Compounds									
Chlorobenzene	108-90-7	5	µg/L		<5	<5	<5	----	<5
Bromobenzene	108-86-1	5	µg/L		<5	<5	<5	----	<5
2-Chlorotoluene	95-49-8	5	µg/L		<5	<5	<5	----	<5
4-Chlorotoluene	106-43-4	5	µg/L		<5	<5	<5	----	<5
1,3-Dichlorobenzene	541-73-1	5	µg/L		<5	<5	<5	----	<5
1,4-Dichlorobenzene	106-46-7	5	µg/L		<5	<5	<5	----	<5

Page Number : 18 of 20
 Client : URS AUSTRALIA (NSW) PTY LTD
 Work Order : ES0709901



Analytical Results

				Client Sample ID :	QC01_19/07/07	QC02_20/07/07	TRIP BLANKS	TRIP SPIKE	MW12
				Sample Matrix Type / Description :	WATER	WATER	WATER	WATER	WATER
				Sample Date / Time :	19 Jul 2007 15:00	20 Jul 2007 15:00	20 Jul 2007 15:00	(20 Jul 2007) (15:00)	(20 Jul 2007) (15:00)
				Laboratory Sample ID :					
Analyte	CAS number	LOR	Units		ES0709901-011	ES0709901-012	ES0709901-013	ES0709901-014	ES0709901-020
EP074F: Halogenated Aromatic Compounds									
1,2-Dichlorobenzene	95-50-1	5	µg/L		<5	<5	<5	----	<5
1,2,4-Trichlorobenzene	120-82-1	5	µg/L		<5	<5	<5	----	<5
1,2,3-Trichlorobenzene	87-61-6	5	µg/L		<5	<5	<5	----	<5
EP074G: Trihalomethanes									
Chloroform	67-66-3	5	µg/L		<5	<5	<5	----	<5
Bromodichloromethane	75-27-4	5	µg/L		<5	<5	<5	----	<5
Dibromochloromethane	124-48-1	5	µg/L		<5	<5	<5	----	<5
Bromoform	75-25-2	5	µg/L		<5	<5	<5	----	<5
EP074H: Naphthalene									
Naphthalene	91-20-3	7	µg/L		<7	<7	<7	----	<7
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Acenaphthylene	208-96-8	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Acenaphthene	83-32-9	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Fluorene	86-73-7	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Phenanthrene	85-01-8	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Anthracene	120-12-7	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Fluoranthene	206-44-0	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Pyrene	129-00-0	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Benz(a)anthracene	56-55-3	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Chrysene	218-01-9	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Benzo(b)fluoranthene	205-99-2	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Benzo(k)fluoranthene	207-08-9	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Benzo(a)pyrene	50-32-8	0.5	µg/L		<0.5	<0.5	<0.5	----	<0.5
Indeno(1,2,3-cd)pyrene	193-39-5	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Dibenz(a,h)anthracene	53-70-3	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
Benzo(g,h,i)perylene	191-24-2	1.0	µg/L		<1.0	<1.0	<1.0	----	<1.0
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction		20	µg/L		<20	<20	<20	----	<20
C10 - C14 Fraction		50	µg/L		<50	<50	<50	----	<50
C15 - C28 Fraction		100	µg/L		<100	<100	<100	----	100
C29 - C36 Fraction		50	µg/L		<50	<50	<50	----	<50
EP080: BTEX									
Benzene	71-43-2	1	µg/L		<1	<1	<1	17	----
Toluene	108-88-3	2	µg/L		<2	<2	<2	19	----
Ethylbenzene	100-41-4	2	µg/L		<2	<2	<2	16	----

Page Number : 19 of 20
 Client : URS AUSTRALIA (NSW) PTY LTD
 Work Order : ES0709901



Analytical Results

				Client Sample ID :	QC01_19/07/07	QC02_20/07/07	TRIP BLANKS	TRIP SPIKE	MW12
				Sample Matrix Type / Description :	WATER	WATER	WATER	WATER	WATER
				Sample Date / Time :	19 Jul 2007 15:00	20 Jul 2007 15:00	20 Jul 2007 15:00	(20 Jul 2007) (15:00)	(20 Jul 2007) (15:00)
				Laboratory Sample ID :					
Analyte	CAS number	LOR	Units		ES0709901-011	ES0709901-012	ES0709901-013	ES0709901-014	ES0709901-020
EP080: BTEX									
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L		<2	<2	<2	16	----
ortho-Xylene	95-47-6	2	µg/L		<2	<2	<2	15	----
EP074S: VOC Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.1	%		120	114	119	----	118
Toluene-D8	2037-26-5	0.1	%		106	99.1	108	----	104
4-Bromofluorobenzene	460-00-4	0.1	%		114	105	111	----	113
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.1	%		39.6	37.4	41.7	----	36.3
2-Chlorophenol-D4	93951-73-6	0.1	%		76.0	75.2	84.6	----	74.8
2,4,6-Tribromophenol	118-79-6	0.1	%		74.9	66.6	83.5	----	72.1
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.1	%		62.3	66.2	73.2	----	71.5
Anthracene-d10	1719-06-8	0.1	%		69.9	70.4	79.8	----	68.6
4-Terphenyl-d14	1718-51-0	0.1	%		67.3	67.4	74.3	----	65.9
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.1	%		123	118	125	110	120
Toluene-D8	2037-26-5	0.1	%		107	99.4	108	125	106
4-Bromofluorobenzene	460-00-4	0.1	%		115	108	118	116	112

Surrogate Control Limits

Matrix Type: WATER - Surrogate Control Limits

		Surrogate Control Limits	
Method name	Analyte name	Lower Limit	Upper Limit
EP068: Pesticides			
EP068S: Organochlorine Pesticide Surrogate	Dibromo-DDE	10	136
EP068T: Organophosphorus Pesticide Surrogate	DEF	10	136
EP074: Volatile Organic Compounds			
EP074S: VOC Surrogates	1,2-Dichloroethane-D4	80	120
	Toluene-D8	88	110
	4-Bromofluorobenzene	86	115
EP075(SIM): PAH/Phenols (GC/MS - SIM)			
EP075(SIM)S: Phenolic Compound Surrogates	Phenol-d6	10	94
	2-Chlorophenol-D4	23	134
	2,4,6-Tribromophenol	10	123
EP075(SIM)T: PAH Surrogates	2-Fluorobiphenyl	43	116
	Anthracene-d10	27	133
	4-Terphenyl-d14	33	141
EP080: TPH Volatiles/BTEX			
EP080S: TPH(V)/BTEX Surrogates	1,2-Dichloroethane-D4	80	120
	Toluene-D8	88	110
	4-Bromofluorobenzene	86	115

Matrix Type: SOIL - Surrogate Control Limits

		Surrogate Control Limits	
Method name	Analyte name	Lower Limit	Upper Limit
EP074: Volatile Organic Compounds			
EP074S: VOC Surrogates	1,2-Dichloroethane-D4	80	120
	Toluene-D8	81	117
	4-Bromofluorobenzene	74	121
EP075(SIM): PAH/Phenols (SIM)			
EP075(SIM)S: Phenolic Compound Surrogates	Phenol-d6	24	113
	2-Chlorophenol-D4	23	134
	2,4,6-Tribromophenol	19	122
EP075(SIM)T: PAH Surrogates	2-Fluorobiphenyl	30	115
	Anthracene-d10	27	133
	4-Terphenyl-d14	18	137
EP080: TPH Volatiles/BTEX			
EP080S: TPH(V)/BTEX Surrogates	1,2-Dichloroethane-D4	80	120
	Toluene-D8	81	117
	4-Bromofluorobenzene	74	121

QUALITY CONTROL REPORT

Client	: URS AUSTRALIA (NSW) PTY LTD	Laboratory	: Environmental Division Sydney	Page	: 1 of 38
Contact	: MR ANDREW HOLLOWAY	Contact	: Victor Kedicioglu		
Address	: LEVEL 3, 116 MILLER STREET NORTH SYDNEY NSW AUSTRALIA 2060	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164	Work order	: ES0709901
				Amendment No.	:
Project	: 43217612	Quote number	: EN/001/07	Date received	: 20 Jul 2007
Order number	: - Not provided -			Date issued	: 28 Jul 2007
C-O-C number	: - Not provided -				
Site	: - Not provided -				
E-mail	: andrew_holloway@urscorp.com	E-mail	: Victor.Kedicioglu@alsenviro.com	No. of samples	
Telephone	: 89255500	Telephone	: +61-2-8784 8555	Received	: 20
Facsimile	: 89255555	Facsimile	: +61-2-8784 8500	Analysed	: 19

This final report for the ALSE work order reference ES0709901 supersedes any previous reports with this reference.

Results apply to the samples as submitted. All pages of this report have been checked and approved for release.

This report contains the following information:

- 1 Laboratory Duplicates (DUP); Relative Percentage Difference (RPD) and Acceptance Limits
- 1 Method Blank (MB) and Laboratory Control Samples (LCS); Recovery and Acceptance Limits
- 1 Matrix Spikes (MS); Recovery and Acceptance Limits

Work order specific comments

Chromium LOR raised due to matrix interference.

EP074 and EP080: Sample 205_20/07/07 required dilution due to the presence of high level contaminants. LOR values have been adjusted accordingly.

Samples were rerun (X 10) for ICPMS metal analysis due to matrix interference (hard to filter). LORs have been raised accordingly for ES0709901-010.

EP080: Sample TRIP SPIKE contains volatile compounds spiked into the sample containers prior to dispatch from the laboratory. BTEX compounds spiked at 20 ug/L.

EP068: Insufficient sample (107A_18/07/07) has been provided for standard analysis. Where applicable LOR values have been adjusted accordingly.

ALSE - Excellence in Analytical Testing



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Accredited for compliance with ISO/IEC 17025

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11.

Signatory

Celine Conceicao
EDWANDY FADJAR
PHALAK INTAKESONE

Department

Inorganics - NATA 825 (10911 - Sydney)
Organics - NATA 825 (10911 - Sydney)
Organics - NATA 825 (10911 - Sydney)

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 3 of 38
 Issue Date : 28 Jul 2007

Quality Control Report - Laboratory Duplicates (DUP)

The quality control term **Laboratory Duplicate** refers to an intralaboratory split sample randomly selected from the sample batch. Laboratory duplicates provide information on method precision and sample heterogeneity.

- Anonymous - Client Sample IDs refer to samples which are not specifically part of this work order but formed part of the QC process lot. *Abbreviations: LOR = Limit of Reporting, RPD = Relative Percent Difference.*

* Indicates failed QC. The permitted ranges for the RPD of Laboratory Duplicates (relative percent deviation) are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting:- Result < 10 times LOR, no limit - Result between 10 and 20 times LOR, 0% - 50% - Result > 20 times LOR, 0% - 20%

Matrix Type: SOIL

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EA055: Moisture Content						
EA055: Moisture Content - (QC Lot: 455971)				%	%	%
ES0709889-001	Anonymous	Moisture Content (dried @ 103°C)	1.0 %	25.6	25.0	2.5
EA055: Moisture Content - (QC Lot: 456846)				%	%	%
ES0709883-013	Anonymous	Moisture Content (dried @ 103°C)	1.0 %	23.4	27.0	14.4
ES0709883-021	Anonymous	Moisture Content (dried @ 103°C)	1.0 %	10.7	17.7	49.2
EG005T: Total Metals by ICP-AES						
EG005T: Total Metals by ICP-AES - (QC Lot: 455755)				mg/kg	mg/kg	%
ES0709717-002 <						

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 4 of 38
Issue Date : 28 Jul 2007



Matrix Type: SOIL **Laboratory Duplicates (DUP) Report**

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074A: Monocyclic Aromatic Hydrocarbons - continued						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 455738) - continued				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	Benzene	0.2 mg/kg	<0.2	<0.2	0.0
		Toluene	0.5 mg/kg	<0.5	<0.5	0.0
		Ethylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		meta- & para-Xylene	0.5 mg/kg	<0.5	<0.5	0.0
		Styrene	0.5 mg/kg	<0.5	<0.5	0.0
		ortho-Xylene	0.5 mg/kg	<0.5	<0.5	0.0
		Isopropylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		n-Propylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		1,3,5-Trimethylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		sec-Butylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		1,2,4-Trimethylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		tert-Butylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		p-Isopropyltoluene	0.5 mg/kg	<0.5	<0.5	0.0
		n-Butylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
EP074B: Oxygenated Compounds						
EP074B: Oxygenated Compounds - (QC Lot: 455738)				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	Vinyl Acetate	5 mg/kg	<5	<5	0.0
		2-Butanone (MEK)	5 mg/kg	<5	<5	0.0
		4-Methyl-2-pentanone (MIBK)	5 mg/kg	<5	<5	0.0
		2-Hexanone (MBK)	5 mg/kg	<5	<5	0.0
EP074C: Sulfonated Compounds						
EP074C: Sulfonated Compounds - (QC Lot: 455738)				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	Carbon disulfide	0.5 mg/kg	<0.5	<0.5	0.0
EP074D: Fumigants						
EP074D: Fumigants - (QC Lot: 455738)				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	2,2-Dichloropropane	0.5 mg/kg	<0.5	<0.5	0.0
		1,2-Dichloropropane	0.5 mg/kg	<0.5	<0.5	0.0
		cis-1,3-Dichloropropylene	0.5 mg/kg	<0.5	<0.5	0.0
		trans-1,3-Dichloropropylene	0.5 mg/kg	<0.5	<0.5	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 5 of 38
 Issue Date : 28 Jul 2007

Matrix Type: SOIL **Laboratory Duplicates (DUP) Report**

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074D: Fumigants - continued						
EP074D: Fumigants - (QC Lot: 455738) - continued				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	1,2-Dibromoethane (EDB)	0.5 mg/kg	<0.5	<0.5	0.0
EP074E: Halogenated Aliphatic Compounds						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 455738)				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	Dichlorodifluoromethane	5 mg/kg	<5	<5	0.0
		Chloromethane	5 mg/kg	<5	<5	0.0
		Vinyl chloride	5 mg/kg	<5	<5	0.0
		Bromomethane	5 mg/kg	<5	<5	0.0
		Chloroethane	5 mg/kg	<5	<5	0.0
		Trichlorofluoromethane	5 mg/kg	<5	<5	0.0
		1,1-Dichloroethene	0.5 mg/kg	<0.5	<0.5	0.0
		Iodomethane	0.5 mg/kg	<0.5	<0.5	0.0
		trans-1,2-Dichloroethene	0.5 mg/kg	<0.5	<0.5	0.0
		1,1-Dichloroethane	0.5 mg/kg	<0.5	<0.5	0.0
		cis-1,2-Dichloroethene	0.5 mg/kg	<0.5	<0.5	0.0
		1,1,1-Trichloroethane	0.5 mg/kg	<0.5	<0.5	0.0
		1,1-Dichloropropylene	0.5 mg/kg	<0.5	<0.5	0.0
		Carbon Tetrachloride	0.5 mg/kg	<0.5	<0.5	0.0
		1,2-Dichloroethane	0.5 mg/kg	<0.5	<0.5	0.0
		Trichloroethene	0.5 mg/kg	<0.5	<0.5	0.0
		Dibromomethane	0.5 mg/kg	<0.5	<0.5	0.0
		1,1,2-Trichloroethane	0.5 mg/kg	<0.5	<0.5	0.0
		1,3-Dichloropropane	0.5 mg/kg	<0.5	<0.5	0.0
		Tetrachloroethene	0.5 mg/kg	<0.5	<0.5	0.0
		1,1,1,2-Tetrachloroethane	0.5 mg/kg	<0.5	<0.5	0.0
		trans-1,4-Dichloro-2-butene	0.5 mg/kg	<0.5	<0.5	0.0
		cis-1,4-Dichloro-2-butene	0.5 mg/kg	<0.5	<0.5	0.0
		1,1,2,2-Tetrachloroethane	0.5 mg/kg	<0.5	<0.5	0.0
		1,2,3-Trichloropropane	0.5 mg/kg	<0.5	<0.5	0.0
		Pentachloroethane	0.5 mg/kg	<0.5	<0.5	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 6 of 38
 Issue Date : 28 Jul 2007

Matrix Type: SOIL **Laboratory Duplicates (DUP) Report**

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074E: Halogenated Aliphatic Compounds - continued						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 455738) - continued				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	1,2-Dibromo-3-chloropropane	0.5 mg/kg	<0.5	<0.5	0.0
		Hexachlorobutadiene	0.5 mg/kg	<0.5	<0.5	0.0
		Bromochloromethane	0.5 mg/kg	<0.5	<0.5	0.0
EP074F: Halogenated Aromatic Compounds						
EP074F: Halogenated Aromatic Compounds - (QC Lot: 455738)				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	Chlorobenzene	0.5 mg/kg	<0.5	<0.5	0.0
		Bromobenzene	0.5 mg/kg	<0.5	<0.5	0.0
		2-Chlorotoluene	0.5 mg/kg	<0.5	<0.5	0.0
		4-Chlorotoluene	0.5 mg/kg	<0.5	<0.5	0.0
		1,3-Dichlorobenzene	0.5 mg/kg	<0.5	<0.5	0.0
		1,4-Dichlorobenzene	0.5 mg/kg	<0.5	<0.5	0.0
		1,2-Dichlorobenzene	0.5 mg/kg	<0.5	<0.5	0.0
		1,2,4-Trichlorobenzene	0.5 mg/kg	<0.5	<0.5	0.0
		1,2,3-Trichlorobenzene	0.5 mg/kg	<0.5	<0.5	0.0
EP074G: Trihalomethanes						
EP074G: Trihalomethanes - (QC Lot: 455738)				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	Chloroform	0.5 mg/kg	<0.5	<0.5	0.0
		Bromodichloromethane	0.5 mg/kg	<0.5	<0.5	0.0
		Dibromochloromethane	0.5 mg/kg	<0.5	<0.5	0.0
		Bromoform	0.5 mg/kg	<0.5	<0.5	0.0
EP074H: Naphthalene						
EP074H: Naphthalene - (QC Lot: 455738)				mg/kg	mg/kg	%
ES0709901-015	RETENTION POND	Naphthalene	5 mg/kg	<5	<5	0.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456125)				mg/kg	mg/kg	%
ES0709866-001	Anonymous	Naphthalene	0.5 mg/kg	<0.5	<0.5	0.0
		Acenaphthylene	0.5 mg/kg	<0.5	<0.5	0.0
		Acenaphthene	0.5 mg/kg	<0.5	<0.5	0.0
		Fluorene	0.5 mg/kg	<0.5	<0.5	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 7 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL **Laboratory Duplicates (DUP) Report**

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - continued						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456125) - continued				mg/kg	mg/kg	%
ES0709866-001	Anonymous	Phenanthrene	0.5 mg/kg	<0.5	<0.5	0.0
		Anthracene	0.5 mg/kg	<0.5	<0.5	0.0
		Fluoranthene	0.5 mg/kg	<0.5	<0.5	0.0
		Pyrene	0.5 mg/kg	<0.5	<0.5	0.0
		Benz(a)anthracene	0.5 mg/kg	<0.5	<0.5	0.0
		Chrysene	0.5 mg/kg	<0.5	<0.5	0.0
		Benzo(b)fluoranthene	0.5 mg/kg	<0.5	<0.5	0.0
		Benzo(k)fluoranthene	0.5 mg/kg	<0.5	<0.5	0.0
		Benzo(a)pyrene	0.5 mg/kg	<0.5	<0.5	0.0
		Indeno(1,2,3,cd)pyrene	0.5 mg/kg	<0.5	<0.5	0.0
		Dibenz(a,h)anthracene	0.5 mg/kg	<0.5	<0.5	0.0
		Benzo(g,h,i)perylene	0.5 mg/kg	<0.5	<0.5	0.0
EP080/071: Total Petroleum Hydrocarbons						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 455737)				mg/kg	mg/kg	%
ES0709884-002	Anonymous	C6 - C9 Fraction	10 mg/kg	<10	<10	0.0
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 456124)				mg/kg	mg/kg	%
ES0709866-001	Anonymous	C10 - C14 Fraction	50 mg/kg	<50	<50	0.0
		C15 - C28 Fraction	100 mg/kg	180	160	12.4
		C29 - C36 Fraction	100 mg/kg	420	380	11.7
EP080: BTEX						
EP080: BTEX - (QC Lot: 455737)				mg/kg	mg/kg	%
ES0709884-002	Anonymous	Benzene	0.2 mg/kg	<0.2	<0.2	0.0
		Toluene	0.5 mg/kg	<0.5	<0.5	0.0
		Ethylbenzene	0.5 mg/kg	<0.5	<0.5	0.0
		meta- & para-Xylene	0.5 mg/kg	<0.5	<0.5	0.0
		ortho-Xylene	0.5 mg/kg	<0.5	<0.5	0.0

Matrix Type: WATER **Laboratory Duplicates (DUP) Report**

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EG020F: Dissolved Metals by ICP-MS						

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 8 of 38
 Issue Date : 28 Jul 2007

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EG020F: Dissolved Metals by ICP-MS - continued						
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 457258)				mg/L	mg/L	%
ES0709845-019	Anonymous	Arsenic	0.001 mg/L	<0.001	<0.001	0.0
		Cadmium	0.0001 mg/L	0.0002	<0.0001	0.0
		Chromium	0.001 mg/L	<0.001	<0.001	0.0
		Copper	0.001 mg/L	1.32	1.31	0.5
		Lead	0.001 mg/L	<0.001	<0.001	0.0
		Nickel	0.001 mg/L	0.001	0.001	0.0
		Zinc	0.005 mg/L	0.054	0.053	0.0
ES0709901-009	205_20/07/07	Arsenic	0.001 mg/L	0.001	0.002	0.0
		Cadmium	0.0001 mg/L	<0.0001	<0.0001	0.0
		Chromium	0.001 mg/L	<0.001	<0.001	0.0
		Copper	0.001 mg/L	0.001	0.001	0.0
		Lead	0.001 mg/L	<0.001	<0.001	0.0
		Nickel	0.001 mg/L	0.002	0.002	0.0
		Zinc	0.005 mg/L	0.035	0.034	0.0
EG035F: Dissolved Mercury by FIMS						
EG035F: Dissolved Mercury by FIMS - (QC Lot: 455865)				mg/L	mg/L	%
EP0703036-001	Anonymous	Mercury	0.0001 mg/L	<0.0001	<0.0001	0.0
EP0703038-001	Anonymous	Mercury	0.0001 mg/L	<0.0001	<0.0001	0.0
EG035F: Dissolved Mercury by FIMS - (QC Lot: 455866)				mg/L	mg/L	%
ES0709901-003	MW2_18/07/07	Mercury	0.0001 mg/L	<0.0001	<0.0001	0.0
EG035F: Dissolved Mercury by FIMS - (QC Lot: 458087)				mg/L	mg/L	%
ES0709900-001	Anonymous	Mercury	0.0001 mg/L	<0.0001	<0.0001	0.0
ES0709975-002	Anonymous	Mercury	0.0001 mg/L	<0.0001	<0.0001	0.0
EP074A: Monocyclic Aromatic Hydrocarbons						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Benzene	5 µg/L	<5	<5	0.0
		Toluene	5 µg/L	<5	<5	0.0
		Ethylbenzene	5 µg/L	<5	<5	0.0
		meta- & para-Xylene	5 µg/L	<5	<5	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 9 of 38
Issue Date : 28 Jul 2007

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074A: Monocyclic Aromatic Hydrocarbons - continued						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 457801) - continued				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Styrene	5 µg/L	<5	<5	0.0
		ortho-Xylene	5 µg/L	<5	<5	0.0
		Isopropylbenzene	5 µg/L	<5	<5	0.0
		n-Propylbenzene	5 µg/L	<5	<5	0.0
		1,3,5-Trimethylbenzene	5 µg/L	<5	<5	0.0
		sec-Butylbenzene	5 µg/L	<5	<5	0.0
		1,2,4-Trimethylbenzene	5 µg/L	<5	<5	0.0
		tert-Butylbenzene	5 µg/L	<5	<5	0.0
		p-Isopropyltoluene	5 µg/L	<5	<5	0.0
		n-Butylbenzene	5 µg/L	<5	<5	0.0
ES0709901-008	MWCD1_19/07/07	Benzene	5 µg/L	<5	<5	0.0
		Toluene	5 µg/L	<5	<5	0.0
		Ethylbenzene	5 µg/L	<5	<5	0.0
		meta- & para-Xylene	5 µg/L	<5	<5	0.0
		Styrene	5 µg/L	<5	<5	0.0
		ortho-Xylene	5 µg/L	<5	<5	0.0
		Isopropylbenzene	5 µg/L	<5	<5	0.0
		n-Propylbenzene	5 µg/L	<5	<5	0.0
		1,3,5-Trimethylbenzene	5 µg/L	<5	<5	0.0
		sec-Butylbenzene	5 µg/L	<5	<5	0.0
		1,2,4-Trimethylbenzene	5 µg/L	<5	<5	0.0
		tert-Butylbenzene	5 µg/L	<5	<5	0.0
		p-Isopropyltoluene	5 µg/L	<5	<5	0.0
		n-Butylbenzene	5 µg/L	<5	<5	0.0
EP074B: Oxygenated Compounds						
EP074B: Oxygenated Compounds - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Vinyl Acetate	50 µg/L	<50	<50	0.0
		2-Butanone (MEK)	50 µg/L	<50	<50	0.0
		4-Methyl-2-pentanone (MIBK)	50 µg/L	<50	<50	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 10 of 38
Issue Date : 28 Jul 2007

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074B: Oxygenated Compounds - continued						
EP074B: Oxygenated Compounds - (QC Lot: 457801) - continued				µg/L	µg/L	%
ES0709901-006	207_18/07/07	2-Hexanone (MBK)	50 µg/L	<50	<50	0.0
ES0709901-008	MWCD1_19/07/07	Vinyl Acetate	50 µg/L	<50	<50	0.0
		2-Butanone (MEK)	50 µg/L	<50	<50	0.0
		4-Methyl-2-pentanone (MIBK)	50 µg/L	<50	<50	0.0
		2-Hexanone (MBK)	50 µg/L	<50	<50	0.0
EP074C: Sulfonated Compounds						
EP074C: Sulfonated Compounds - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Carbon disulfide	5 µg/L	<5	<5	0.0
ES0709901-008	MWCD1_19/07/07	Carbon disulfide	5 µg/L	<5	<5	0.0
EP074D: Fumigants						
EP074D: Fumigants - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	2,2-Dichloropropane	5 µg/L	<5	<5	0.0
		1,2-Dichloropropane	5 µg/L	<5	<5	0.0
		cis-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		trans-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		1,2-Dibromoethane (EDB)	5 µg/L	<5	<5	0.0
ES0709901-008	MWCD1_19/07/07	2,2-Dichloropropane	5 µg/L	<5	<5	0.0
		1,2-Dichloropropane	5 µg/L	<5	<5	0.0
		cis-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		trans-1,3-Dichloropropylene	5 µg/L	<5	<5	0.0
		1,2-Dibromoethane (EDB)	5 µg/L	<5	<5	0.0
EP074E: Halogenated Aliphatic Compounds						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Dichlorodifluoromethane	50 µg/L	<50	<50	0.0
		Chloromethane	50 µg/L	<50	<50	0.0
		Vinyl chloride	50 µg/L	<50	<50	0.0
		Bromomethane	50 µg/L	<50	<50	0.0
		Chloroethane	50 µg/L	<50	<50	0.0
		Trichlorofluoromethane	50 µg/L	<50	<50	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 11 of 38
 Issue Date : 28 Jul 2007

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074E: Halogenated Aliphatic Compounds - continued						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 457801) - continued				µg/L	µg/L	%
ES0709901-006	207_18/07/07	1,1-Dichloroethene	5 µg/L	<5	<5	0.0
		Iodomethane	5 µg/L	<5	<5	0.0
		trans-1,2-Dichloroethene	5 µg/L	<5	<5	0.0
		1,1-Dichloroethane	5 µg/L	<5	<5	0.0
		cis-1,2-Dichloroethene	5 µg/L	<5	<5	0.0
		1,1,1-Trichloroethane	5 µg/L	<5	<5	0.0
		1,1-Dichloropropylene	5 µg/L	<5	<5	0.0
		Carbon Tetrachloride	5 µg/L	<5	<5	0.0
		1,2-Dichloroethane	5 µg/L	<5	<5	0.0
		Trichloroethene	5 µg/L	<5	<5	0.0
		Dibromomethane	5 µg/L	<5	<5	0.0
		1,1,2-Trichloroethane	5 µg/L	<5	<5	0.0
		1,3-Dichloropropane	5 µg/L	<5	<5	0.0
		Tetrachloroethene	5 µg/L	<5	<5	0.0
		1,1,1,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		trans-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		cis-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		1,1,2,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		1,2,3-Trichloropropane	5 µg/L	<5	<5	0.0
		Pentachloroethane	5 µg/L	<5	<5	0.0
		1,2-Dibromo-3-chloropropane	5 µg/L	<5	<5	0.0
ES0709901-008	MWCD1_19/07/07	Hexachlorobutadiene	5 µg/L	<5	<5	0.0
		Dichlorodifluoromethane	50 µg/L	<50	<50	0.0
		Chloromethane	50 µg/L	<50	<50	0.0
		Vinyl chloride	50 µg/L	<50	<50	0.0
		Bromomethane	50 µg/L	<50	<50	0.0
		Chloroethane	50 µg/L	<50	<50	0.0
		Trichlorofluoromethane	50 µg/L	<50	<50	0.0
		1,1-Dichloroethene	5 µg/L	<5	<5	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 12 of 38
 Issue Date : 28 Jul 2007

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074E: Halogenated Aliphatic Compounds - continued						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 457801) - continued				µg/L	µg/L	%
ES0709901-008	MWCD1_19/07/07	Iodomethane	5 µg/L	<5	<5	0.0
		trans-1,2-Dichloroethene	5 µg/L	<5	<5	0.0
		1,1-Dichloroethane	5 µg/L	<5	<5	0.0
		cis-1,2-Dichloroethene	5 µg/L	<5	<5	0.0
		1,1,1-Trichloroethane	5 µg/L	<5	<5	0.0
		1,1-Dichloropropylene	5 µg/L	<5	<5	0.0
		Carbon Tetrachloride	5 µg/L	<5	<5	0.0
		1,2-Dichloroethane	5 µg/L	<5	<5	0.0
		Trichloroethene	5 µg/L	<5	<5	0.0
		Dibromomethane	5 µg/L	<5	<5	0.0
		1,1,2-Trichloroethane	5 µg/L	<5	<5	0.0
		1,3-Dichloropropane	5 µg/L	<5	<5	0.0
		Tetrachloroethene	5 µg/L	<5	<5	0.0
		1,1,1,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		trans-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		cis-1,4-Dichloro-2-butene	5 µg/L	<5	<5	0.0
		1,1,2,2-Tetrachloroethane	5 µg/L	<5	<5	0.0
		1,2,3-Trichloropropane	5 µg/L	<5	<5	0.0
		Pentachloroethane	5 µg/L	<5	<5	0.0
		1,2-Dibromo-3-chloropropane	5 µg/L	<5	<5	0.0
		Hexachlorobutadiene	5 µg/L	<5	<5	0.0
EP074F: Halogenated Aromatic Compounds						
EP074F: Halogenated Aromatic Compounds - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Chlorobenzene	5 µg/L	<5	<5	0.0
		Bromobenzene	5 µg/L	<5	<5	0.0
		2-Chlorotoluene	5 µg/L	<5	<5	0.0
		4-Chlorotoluene	5 µg/L	<5	<5	0.0
		1,3-Dichlorobenzene	5 µg/L	<5	<5	0.0
		1,4-Dichlorobenzene	5 µg/L	<5	<5	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 13 of 38
Issue Date : 28 Jul 2007



Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP074F: Halogenated Aromatic Compounds - continued						
EP074F: Halogenated Aromatic Compounds - (QC Lot: 457801) - continued				µg/L	µg/L	%
ES0709901-006	207_18/07/07	1,2-Dichlorobenzene	5 µg/L	<5	<5	0.0
	MWCD1_19/07/07	1,2,4-Trichlorobenzene	5 µg/L	<5	<5	0.0
1,2,3-Trichlorobenzene		5 µg/L	<5	<5	0.0	
Chlorobenzene		5 µg/L	<5	<5	0.0	
Bromobenzene		5 µg/L	<5	<5	0.0	
2-Chlorotoluene		5 µg/L	<5	<5	0.0	
4-Chlorotoluene		5 µg/L	<5	<5	0.0	
1,3-Dichlorobenzene		5 µg/L	<5	<5	0.0	
1,4-Dichlorobenzene		5 µg/L	<5	<5	0.0	
1,2-Dichlorobenzene		5 µg/L	<5	<5	0.0	
1,2,4-Trichlorobenzene		5 µg/L	<5	<5	0.0	
		1,2,3-Trichlorobenzene	5 µg/L	<5	<5	0.0
EP074G: Trihalomethanes						
EP074G: Trihalomethanes - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Chloroform	5 µg/L	<5	<5	0.0
	MWCD1_19/07/07	Bromodichloromethane	5 µg/L	<5	<5	0.0
Dibromochloromethane		5 µg/L	<5	<5	0.0	
Bromoform		5 µg/L	<5	<5	0.0	
Chloroform		5 µg/L	<5	<5	0.0	
Bromodichloromethane		5 µg/L	<5	<5	0.0	
Dibromochloromethane		5 µg/L	<5	<5	0.0	
Bromoform		5 µg/L	<5	<5	0.0	
EP074H: Naphthalene						
EP074H: Naphthalene - (QC Lot: 457801)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Naphthalene	7 µg/L	<7	<7	0.0
ES0709901-008	MWCD1_19/07/07	Naphthalene	7 µg/L	<7	<7	0.0
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456915)				µg/L	µg/L	%
ES0709901-008	MWCD1_19/07/07	Naphthalene	1.0 µg/L	<1.0	<1.0	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 14 of 38
 Issue Date : 28 Jul 2007

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - continued						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456915) - continued				µg/L	µg/L	%
ES0709901-008	MWCD1_19/07/07	Acenaphthylene	1.0 µg/L	<1.0	<1.0	0.0
		Acenaphthene	1.0 µg/L	<1.0	<1.0	0.0
		Fluorene	1.0 µg/L	<1.0	<1.0	0.0
		Phenanthrene	1.0 µg/L	<1.0	<1.0	0.0
		Anthracene	1.0 µg/L	<1.0	<1.0	0.0
		Fluoranthene	1.0 µg/L	<1.0	<1.0	0.0
		Pyrene	1.0 µg/L	<1.0	<1.0	0.0
		Benz(a)anthracene	1.0 µg/L	<1.0	<1.0	0.0
		Chrysene	1.0 µg/L	<1.0	<1.0	0.0
		Benzo(b)fluoranthene	1.0 µg/L	<1.0	<1.0	0.0
		Benzo(k)fluoranthene	1.0 µg/L	<1.0	<1.0	0.0
		Benzo(a)pyrene	0.5 µg/L	<0.5	<0.5	0.0
		Indeno(1,2,3,cd)pyrene	1.0 µg/L	<1.0	<1.0	0.0
		Dibenz(a,h)anthracene	1.0 µg/L	<1.0	<1.0	0.0
		Benzo(g,h,i)perylene	1.0 µg/L	<1.0	<1.0	0.0
EP080/071: Total Petroleum Hydrocarbons						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 456914)				µg/L	µg/L	%
ES0709901-008	MWCD1_19/07/07	C10 - C14 Fraction	50 µg/L	<50	<50	0.0
		C15 - C28 Fraction	100 µg/L	<100	<100	0.0
		C29 - C36 Fraction	50 µg/L	<50	<50	0.0
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 457802)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	C6 - C9 Fraction	20 µg/L	<20	<20	0.0
ES0709901-008	MWCD1_19/07/07	C6 - C9 Fraction	20 µg/L	<20	<20	0.0
EP080: BTEX						
EP080: BTEX - (QC Lot: 457802)				µg/L	µg/L	%
ES0709901-006	207_18/07/07	Benzene	1 µg/L	<1	<1	0.0
		Toluene	2 µg/L	<2	<2	0.0
		Ethylbenzene	2 µg/L	<2	<2	0.0
		meta- & para-Xylene	2 µg/L	<2	<2	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 15 of 38
 Issue Date : 28 Jul 2007

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

Laboratory Sample ID	Client Sample ID	Analyte name	LOR	Original Result	Duplicate Result	RPD
EP080: BTEX - continued						
EP080: BTEX - (QC Lot: 457802) - continued				µg/L	µg/L	%
ES0709901-006	207_18/07/07	ortho-Xylene	2 µg/L	<2	<2	0.0
ES0709901-008	MWCD1_19/07/07	Benzene	1 µg/L	<1	<1	0.0
		Toluene	2 µg/L	<2	<2	0.0
		Ethylbenzene	2 µg/L	<2	<2	0.0
		meta- & para-Xylene	2 µg/L	<2	<2	0.0
		ortho-Xylene	2 µg/L	<2	<2	0.0

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 16 of 38
 Issue Date : 28 Jul 2007

Quality Control Report - Method Blank (MB) and Laboratory Control Samples (LCS)

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC type is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a known, interference free matrix spiked with target analytes or certified reference material. The purpose of this QC type is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of actual laboratory data. Flagged outliers on control limits for inorganics tests may be within the NEPM specified data quality objective of recoveries in the range of 70 to 130%. Where this occurs, no corrective action is taken. Abbreviations: LOR = Limit of reporting.

Matrix Type: SOIL

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EG005T: Total Metals by ICP-AES						
EG005T: Total Metals by ICP-AES - (QC Lot: 455755)		mg/kg	mg/kg	%	%	%
Arsenic	5 mg/kg	<5	----	----	----	----
	5 mg/kg	----	13.1	108	86.6	123
Cadmium	1 mg/kg	<1	----	----	----	----
	1 mg/kg	----	2.76	92.8	79.9	120
Chromium	2 mg/kg	<2	----	----	----	----
	2 mg/kg	----	60.9	104	87.1	119
Copper	5 mg/kg	<5	----	----	----	----
	5 mg/kg	----	54.7	105	85.2	117
Lead	5 mg/kg	----	55.2	99.7	82.1	117
	5 mg/kg	<5	----	----	----	----
Nickel	2 mg/kg	<2	----	----	----	----
	2 mg/kg	----	54.8	108	88	122
Zinc	5 mg/kg	<5	----	----	----	----
	5 mg/kg	----	104	104	79	116
EG035T: Total Mercury by FIMS						
EG035T: Total Mercury by FIMS - (QC Lot: 455756)		mg/kg	mg/kg	%	%	%
Mercury	0.1 mg/kg	<0.1	----	----	----	----
	0.1 mg/kg	----	1.4	97.2	73.7	108
EP074A: Monocyclic Aromatic Hydrocarbons						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
1,2,4-Trimethylbenzene	0.5 mg/kg	----	1	98.7	69.9	128
	0.5 mg/kg	<0.5	----	----	----	----
1,3,5-Trimethylbenzene	0.5 mg/kg	----	1	93.3	69.6	127
	0.5 mg/kg	<0.5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 17 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074A: Monocyclic Aromatic Hydrocarbons - continued						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 455738) - continued		mg/kg	mg/kg	%	%	%
Benzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	107	74	125
Ethylbenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	97.8	73.3	125
Isopropylbenzene	0.5 mg/kg	----	1	102	71	127
	0.5 mg/kg	<0.5	----	----	----	----
meta- & para-Xylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	2	106	75.8	123
n-Butylbenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	90.1	67.8	129
n-Propylbenzene	0.5 mg/kg	----	1	90.2	67.8	130
	0.5 mg/kg	<0.5	----	----	----	----
ortho-Xylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	107	75.4	122
p-Isopropyltoluene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	91.2	68.1	130
sec-Butylbenzene	0.5 mg/kg	----	1	101	69.2	129
	0.5 mg/kg	<0.5	----	----	----	----
Styrene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	101	71.8	125
tert-Butylbenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	95.5	68.9	129
Toluene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	110	70.8	126
EP074B: Oxygenated Compounds						
EP074B: Oxygenated Compounds - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
2-Butanone (MEK)	5 mg/kg	<5	----	----	----	----
	1 mg/kg	----	10	127	69.4	130
2-Hexanone (MBK)	1 mg/kg	----	10	110	68.3	130
	5 mg/kg	<5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 18 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074B: Oxygenated Compounds - continued						
EP074B: Oxygenated Compounds - (QC Lot: 455738) - continued		mg/kg	mg/kg	%	%	%
4-Methyl-2-pentanone (MIBK)	5 mg/kg	<5	----	----	----	----
	1 mg/kg	----	10	115	70.9	128
Vinyl Acetate	5 mg/kg	<5	----	----	----	----
	1 mg/kg	----	10	111	63.2	133
EP074C: Sulfonated Compounds						
EP074C: Sulfonated Compounds - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
Carbon disulfide	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	92.3	66.2	131
EP074D: Fumigants						
EP074D: Fumigants - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
1,2-Dibromoethane (EDB)	0.5 mg/kg	----	1	103	76.3	121
	0.5 mg/kg	<0.5	----	----	----	----
1,2-Dichloropropane	0.5 mg/kg	----	1	98.6	74.5	123
	0.5 mg/kg	<0.5	----	----	----	----
2,2-Dichloropropane	0.5 mg/kg	----	1	93.1	65.4	132
	0.5 mg/kg	<0.5	----	----	----	----
cis-1,3-Dichloropropylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	2	93.2	75	122
trans-1,3-Dichloropropylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	2	96.1	75.5	122
EP074E: Halogenated Aliphatic Compounds						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
1,1,1,2-Tetrachloroethane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	96.0	71.6	124
1,1,1-Trichloroethane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	103	66.4	131
1,1,2,2-Tetrachloroethane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	103	72.5	125

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 19 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074E: Halogenated Aliphatic Compounds - continued						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 455738) - continued		mg/kg	mg/kg	%	%	%
1,1,2-Trichloroethane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	108	75.7	122
1,1-Dichloroethane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	105	73	125
1,1-Dichloroethene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	85.1	67.6	134
1,1-Dichloropropylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	110	67.8	129
1,2,3-Trichloropropane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	101	67.4	130
1,2-Dibromo-3-chloropropane	0.5 mg/kg	----	1	97.4	59.2	134
	0.5 mg/kg	<0.5	----	----	----	----
1,2-Dichloroethane	0.5 mg/kg	----	1	102	71.3	125
	0.5 mg/kg	<0.5	----	----	----	----
1,3-Dichloropropane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	98.8	77	121
Bromochloromethane	0.5 mg/kg	<0.5	----	----	----	----
Bromomethane	1 mg/kg	----	10	97.7	66.5	133
	5 mg/kg	<5	----	----	----	----
Carbon Tetrachloride	0.5 mg/kg	----	1	108	64.8	133
	0.5 mg/kg	<0.5	----	----	----	----
Chloroethane	5 mg/kg	<5	----	----	----	----
	1 mg/kg	----	10	98.0	65.6	132
Chloromethane	1 mg/kg	----	10	87.8	63.7	135
	5 mg/kg	<5	----	----	----	----
cis-1,2-Dichloroethene	0.5 mg/kg	----	1	107	74.8	123
	0.5 mg/kg	<0.5	----	----	----	----
cis-1,4-Dichloro-2-butene	0.5 mg/kg	----	1	103	69.6	128
	0.5 mg/kg	<0.5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 20 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074E: Halogenated Aliphatic Compounds - continued						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 455738) - continued		mg/kg	mg/kg	%	%	%
Dibromomethane	0.5 mg/kg	----	1	114	72.1	126
	0.5 mg/kg	<0.5	----	----	----	----
Dichlorodifluoromethane	5 mg/kg	<5	----	----	----	----
	1 mg/kg	----	10	86.6	62.1	140
Hexachlorobutadiene	0.5 mg/kg	----	1	87.2	58	137
	0.5 mg/kg	<0.5	----	----	----	----
Iodomethane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	74.8	68.9	129
Pentachloroethane	0.5 mg/kg	----	1	99.7	62.5	132
	0.5 mg/kg	<0.5	----	----	----	----
Tetrachloroethene	0.5 mg/kg	----	1	113	70.2	130
	0.5 mg/kg	<0.5	----	----	----	----
trans-1,2-Dichloroethene	0.5 mg/kg	----	1	106	71.1	127
	0.5 mg/kg	<0.5	----	----	----	----
trans-1,4-Dichloro-2-butene	0.5 mg/kg	----	1	74.7	60.8	136
	0.5 mg/kg	<0.5	----	----	----	----
Trichloroethene	0.5 mg/kg	----	1	106	71.6	128
	0.5 mg/kg	<0.5	----	----	----	----
Trichlorofluoromethane	1 mg/kg	----	10	96.7	62.4	137
	5 mg/kg	<5	----	----	----	----
Vinyl chloride	5 mg/kg	<5	----	----	----	----
	1 mg/kg	----	10	102	65.8	134
EP074F: Halogenated Aromatic Compounds						
EP074F: Halogenated Aromatic Compounds - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
1,2,3-Trichlorobenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	85.4	59.7	137
1,2,4-Trichlorobenzene	0.5 mg/kg	----	1	77.0	62	133
	0.5 mg/kg	<0.5	----	----	----	----
1,2-Dichlorobenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	90.7	75.3	122

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 21 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074F: Halogenated Aromatic Compounds - continued						
EP074F: Halogenated Aromatic Compounds - (QC Lot: 455738) - continued		mg/kg	mg/kg	%	%	%
1,3-Dichlorobenzene	0.5 mg/kg	----	1	91.3	73.2	124
	0.5 mg/kg	<0.5	----	----	----	----
1,4-Dichlorobenzene	0.5 mg/kg	----	1	89.2	74	123
	0.5 mg/kg	<0.5	----	----	----	----
2-Chlorotoluene	0.5 mg/kg	----	1	97.0	70.9	126
	0.5 mg/kg	<0.5	----	----	----	----
4-Chlorotoluene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	94.7	72.2	125
Bromobenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	93.1	74.2	123
Chlorobenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	98.4	74	124
EP074G: Trihalomethanes						
EP074G: Trihalomethanes - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
Bromodichloromethane	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	111	68.9	128
Bromoform	0.5 mg/kg	----	1	110	67.8	129
	0.5 mg/kg	<0.5	----	----	----	----
Chloroform	0.5 mg/kg	----	1	110	74.1	124
	0.5 mg/kg	<0.5	----	----	----	----
Dibromochloromethane	0.5 mg/kg	----	1	108	70.4	126
	0.5 mg/kg	<0.5	----	----	----	----
EP074H: Naphthalene						
EP074H: Naphthalene - (QC Lot: 455738)		mg/kg	mg/kg	%	%	%
Naphthalene	5 mg/kg	<5	----	----	----	----
	0.5 mg/kg	----	1	92.3	63.4	133
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456125)		mg/kg	mg/kg	%	%	%

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 22 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - continued						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456125) - continued		mg/kg	mg/kg	%	%	%
Acenaphthene	0.5 mg/kg	----	4	102	81.5	112
	0.5 mg/kg	<0.5	----	----	----	----
Acenaphthylene	0.5 mg/kg	----	4	107	79.6	113
	0.5 mg/kg	<0.5	----	----	----	----
Anthracene	0.5 mg/kg	----	4	107	81.1	112
	0.5 mg/kg	<0.5	----	----	----	----
Benz(a)anthracene	0.5 mg/kg	----	4	107	77.2	112
	0.5 mg/kg	<0.5	----	----	----	----
Benzo(a)pyrene	0.5 mg/kg	----	4	105	76.4	113
	0.5 mg/kg	<0.5	----	----	----	----
Benzo(b)fluoranthene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	4	104	71.8	118
Benzo(g,h,i)perylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	4	96.6	72.4	114
Benzo(k)fluoranthene	0.5 mg/kg	----	4	94.6	74.2	117
	0.5 mg/kg	<0.5	----	----	----	----
Chrysene	0.5 mg/kg	----	4	109	79.8	114
	0.5 mg/kg	<0.5	----	----	----	----
Dibenz(a,h)anthracene	0.5 mg/kg	----	4	100	71.7	113
	0.5 mg/kg	<0.5	----	----	----	----
Fluoranthene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	4	105	78.8	113
Fluorene	0.5 mg/kg	----	4	106	79.9	112
	0.5 mg/kg	<0.5	----	----	----	----
Indeno(1,2,3,cd)pyrene	0.5 mg/kg	----	4	98.2	71	113
	0.5 mg/kg	<0.5	----	----	----	----
Naphthalene	0.5 mg/kg	----	4	89.1	81.9	113
	0.5 mg/kg	<0.5	----	----	----	----
Phenanthrene	0.5 mg/kg	----	4	109	79.4	114
	0.5 mg/kg	<0.5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 23 of 38
Issue Date : 28 Jul 2007



Matrix Type: SOIL **Method Blank (MB) and Laboratory Control Samples (LCS) Report**

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - continued						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456125) - continued		mg/kg	mg/kg	%	%	%
Pyrene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	4	103	78.9	113
EP080/071: Total Petroleum Hydrocarbons						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 455737)		mg/kg	mg/kg	%	%	%
C6 - C9 Fraction	10 mg/kg	----	26	76.5	68.4	128
	10 mg/kg	<10	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 456124)		mg/kg	mg/kg	%	%	%
C10 - C14 Fraction	50 mg/kg	<50	----	----	----	----
	50 mg/kg	----	200	89.0	75.2	116
C15 - C28 Fraction	100 mg/kg	----	200	94.0	75.3	113
	100 mg/kg	<100	----	----	----	----
C29 - C36 Fraction	100 mg/kg	<100	----	----	----	----
	100 mg/kg	----	200	100	72.6	117
EP080: BTEX						
EP080: BTEX - (QC Lot: 455737)		mg/kg	mg/kg	%	%	%
Benzene	0.2 mg/kg	<0.2	----	----	----	----
	0.2 mg/kg	----	1	91.0	67.5	125
Ethylbenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	90.5	65.3	126
meta- & para-Xylene	0.5 mg/kg	----	2	93.6	66.5	124
	0.5 mg/kg	<0.5	----	----	----	----
ortho-Xylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	94.7	66.7	123
Toluene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	84.7	69	122

Matrix Type: WATER **Method Blank (MB) and Laboratory Control Samples (LCS) Report**

Analyte name	LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 24 of 38
Issue Date : 28 Jul 2007

Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EG020F: Dissolved Metals by ICP-MS						
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 457258)		mg/L	mg/L	%	%	%
Arsenic	0.001 mg/L	----	0.1	97.1	70	130
	0.001 mg/L	<0.001	----	----	----	----
Cadmium	0.0001 mg/L	----	0.1	91.6	70	130
	0.0001 mg/L	<0.0001	----	----	----	----
Chromium	0.001 mg/L	----	0.1	99.3	70	130
	0.001 mg/L	<0.001	----	----	----	----
Copper	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	92.6	70	130
Lead	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	103	70	130
Nickel	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	95.0	70	130
Zinc	0.005 mg/L	<0.005	----	----	----	----
	0.005 mg/L	----	0.1	92.1	70	130
EG035F: Dissolved Mercury by FIMS						
EG035F: Dissolved Mercury by FIMS - (QC Lot: 455865)		mg/L	mg/L	%	%	%
Mercury	0.0001 mg/L	----	0.010	98.0	80.5	117
	0.0001 mg/L	<0.0001	----	----	----	----
EG035F: Dissolved Mercury by FIMS - (QC Lot: 455866)		mg/L	mg/L	%	%	%
Mercury	0.0001 mg/L	----	0.010	95.8	80.5	117
	0.0001 mg/L	<0.0001	----	----	----	----
EG035F: Dissolved Mercury by FIMS - (QC Lot: 458087)		mg/L	mg/L	%	%	%
Mercury	0.0001 mg/L	----	0.010	99.7	80.5	117
	0.0001 mg/L	<0.0001	----	----	----	----
EP068A: Organochlorine Pesticides (OC)						
EP068A: Organochlorine Pesticides (OC) - (QC Lot: 456916)		µg/L	µg/L	%	%	%
4,4'-DDD	0.5 µg/L	----	5	103	68.2	117
	0.5 µg/L	<0.5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 25 of 38
 Issue Date : 28 Jul 2007

Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP068A: Organochlorine Pesticides (OC) - continued						
EP068A: Organochlorine Pesticides (OC) - (QC Lot: 456916) - continued		µg/L	µg/L	%	%	%
4,4'-DDE	0.5 µg/L	----	5	95.9	68.9	114
	0.5 µg/L	<0.5	----	----	----	----
4,4'-DDT	2 µg/L	<2	----	----	----	----
	2.0 µg/L	----	5	94.7	57.6	123
Aldrin	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	108	68.5	114
alpha-BHC	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	102	59.5	123
alpha-Endosulfan	0.5 µg/L	----	5	91.9	68.5	116
	0.5 µg/L	<0.5	----	----	----	----
beta-BHC	0.5 µg/L	----	5	110	59.3	122
	0.5 µg/L	<0.5	----	----	----	----
beta-Endosulfan	0.5 µg/L	----	5	94.1	68	117
	0.5 µg/L	<0.5	----	----	----	----
cis-Chlordane	0.5 µg/L	----	5	95.6	66.5	117
	0.5 µg/L	<0.5	----	----	----	----
delta-BHC	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	105	68	116
Dieldrin	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	101	68.8	116
Endosulfan sulfate	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	99.8	65.9	119
Endrin	0.5 µg/L	----	5	91.2	66.2	122
	0.5 µg/L	<0.5	----	----	----	----
Endrin aldehyde	0.5 µg/L	----	5	98.5	66.6	117
	0.5 µg/L	<0.5	----	----	----	----
Endrin ketone	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	103	65	118
gamma-BHC	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	97.8	59.1	121

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 26 of 38
Issue Date : 28 Jul 2007



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP068A: Organochlorine Pesticides (OC) - continued						
EP068A: Organochlorine Pesticides (OC) - (QC Lot: 456916) - continued		µg/L	µg/L	%	%	%
Heptachlor	0.5 µg/L	----	5	103	67.1	116
	0.5 µg/L	<0.5	----	----	----	----
Heptachlor epoxide	0.5 µg/L	----	5	108	69.8	113
	0.5 µg/L	<0.5	----	----	----	----
Hexachlorobenzene (HCB)	0.5 µg/L	----	5	103	58.4	121
	0.5 µg/L	<0.5	----	----	----	----
Methoxychlor	2 µg/L	<2	----	----	----	----
	2.0 µg/L	----	5	92.8	49.6	134
trans-Chlordane	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	94.1	68.3	112
EP068B: Organophosphorus Pesticides (OP)						
EP068B: Organophosphorus Pesticides (OP) - (QC Lot: 456916)		µg/L	µg/L	%	%	%
Methyl Azinphos	0.5 µg/L	----	5	94.5	45.6	138
	0.5 µg/L	<0.5	----	----	----	----
Bromophos-ethyl	0.5 µg/L	----	5	106	67.7	114
	0.5 µg/L	<0.5	----	----	----	----
Carbophenothion	0.5 µg/L	----	5	98.4	65	121
	0.5 µg/L	<0.5	----	----	----	----
Chlorfenvinphos	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	109	64	127
Chlorpyrifos	0.5 µg/L	----	5	108	70	112
	0.5 µg/L	<0.5	----	----	----	----
Chlorpyrifos-methyl	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	108	69.5	112
Demeton-S-methyl	0.5 µg/L	----	5	103	26.8	154
	0.5 µg/L	<0.5	----	----	----	----
Diazinon	0.5 µg/L	----	5	105	66.5	115
	0.5 µg/L	<0.5	----	----	----	----
Dichlorvos	0.5 µg/L	----	5	97.0	56.9	128
	0.5 µg/L	<0.5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 27 of 38
Issue Date : 28 Jul 2007



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP068B: Organophosphorus Pesticides (OP) - continued						
EP068B: Organophosphorus Pesticides (OP) - (QC Lot: 456916) - continued		µg/L	µg/L	%	%	%
Dimethoate	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	88.5	48.6	126
Ethion	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	96.2	67	116
Fenamiphos	0.5 µg/L	----	5	77.6	50.5	129
	0.5 µg/L	<0.5	----	----	----	----
Fenthion	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	111	69.8	114
Malathion	0.5 µg/L	----	5	104	59.8	127
	0.5 µg/L	<0.5	----	----	----	----
Monocrotophos	0.5 µg/L	----	5	5.2	10	89.1
	2 µg/L	<2	----	----	----	----
Parathion	2 µg/L	<2	----	----	----	----
	2.0 µg/L	----	5	102	62.5	116
Parathion-methyl	2 µg/L	<2	----	----	----	----
	2.0 µg/L	----	5	104	63.9	115
Pirimphos-ethyl	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	70.4	67.1	112
Prothiofos	0.5 µg/L	<0.5	----	----	----	----
	0.5 µg/L	----	5	82.6	69.2	111
EP074A: Monocyclic Aromatic Hydrocarbons						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 457801)		µg/L	µg/L	%	%	%
1,2,4-Trimethylbenzene	5 µg/L	----	10	94.6	79.7	118
	5 µg/L	<5	----	----	----	----
1,3,5-Trimethylbenzene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	93.1	79.2	118
Benzene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	96.1	81	119
Ethylbenzene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	93.6	80.3	119

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 28 of 38
Issue Date : 28 Jul 2007

Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074A: Monocyclic Aromatic Hydrocarbons - continued						
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 457801) - continued		µg/L	µg/L	%	%	%
Isopropylbenzene	5 µg/L	----	10	94.0	80.3	119
	5 µg/L	<5	----	----	----	----
meta- & para-Xylene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	20	96.1	81.1	118
n-Butylbenzene	5 µg/L	----	10	90.5	74.4	123
	5 µg/L	<5	----	----	----	----
n-Propylbenzene	5 µg/L	----	10	96.3	75.5	122
	5 µg/L	<5	----	----	----	----
ortho-Xylene	5 µg/L	----	10	96.5	82	118
	5 µg/L	<5	----	----	----	----
p-Isopropyltoluene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	90.0	76.3	122
sec-Butylbenzene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	95.8	76.6	121
Styrene	5 µg/L	----	10	92.8	79.9	120
	5 µg/L	<5	----	----	----	----
tert-Butylbenzene	5 µg/L	----	10	95.4	77.4	120
	5 µg/L	<5	----	----	----	----
Toluene	5 µg/L	----	10	108	76.5	123
	5 µg/L	<5	----	----	----	----
EP074B: Oxygenated Compounds						
EP074B: Oxygenated Compounds - (QC Lot: 457801)		µg/L	µg/L	%	%	%
2-Butanone (MEK)	50 µg/L	----	100	120	73.6	130
	50 µg/L	<50	----	----	----	----
2-Hexanone (MBK)	50 µg/L	----	100	106	74.1	130
	50 µg/L	<50	----	----	----	----
4-Methyl-2-pentanone (MIBK)	50 µg/L	<50	----	----	----	----
	50 µg/L	----	100	106	74.7	129
Vinyl Acetate	50 µg/L	----	100	102	61.4	134
	50 µg/L	<50	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 29 of 38
 Issue Date : 28 Jul 2007

Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074C: Sulfonated Compounds						
EP074C: Sulfonated Compounds - (QC Lot: 457801)		µg/L	µg/L	%	%	%
Carbon disulfide	5 µg/L	----	10	91.6	72.8	127
	5 µg/L	<5	----	----	----	----
EP074D: Fumigants						
EP074D: Fumigants - (QC Lot: 457801)		µg/L	µg/L	%	%	%
1,2-Dibromoethane (EDB)	5 µg/L	----	10	99.7	79.1	123
	5 µg/L	<5	----	----	----	----
1,2-Dichloropropane	5 µg/L	----	10	104	80.7	119
	5 µg/L	<5	----	----	----	----
2,2-Dichloropropane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	83.9	72.7	124
cis-1,3-Dichloropropylene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	20	90.4	80.4	119
trans-1,3-Dichloropropylene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	20	90.8	79.3	120
EP074E: Halogenated Aliphatic Compounds						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 457801)		µg/L	µg/L	%	%	%
1,1,1,2-Tetrachloroethane	5 µg/L	----	10	89.0	78.9	121
	5 µg/L	<5	----	----	----	----
1,1,1-Trichloroethane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	88.5	75.8	124
1,1,2,2-Tetrachloroethane	5 µg/L	----	10	101	77.8	126
	5 µg/L	<5	----	----	----	----
1,1,2-Trichloroethane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	105	79.6	122
1,1-Dichloroethane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	103	79.3	121
1,1-Dichloroethene	5 µg/L	----	10	98.8	72.5	128
	5 µg/L	<5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 30 of 38
Issue Date : 28 Jul 2007



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074E: Halogenated Aliphatic Compounds - continued						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 457801) - continued		µg/L	µg/L	%	%	%
1,1-Dichloropropylene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	98.6	77.8	121
1,2,3-Trichloropropane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	94.1	74.1	128
1,2-Dibromo-3-chloropropane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	94.5	66.4	136
1,2-Dichloroethane	5 µg/L	----	10	98.0	75.5	126
	5 µg/L	<5	----	----	----	----
1,3-Dichloropropane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	104	79.9	122
Bromomethane	50 µg/L	<50	----	----	----	----
	50 µg/L	----	100	111	68.9	131
Carbon Tetrachloride	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	81.7	73.8	126
Chloroethane	50 µg/L	<50	----	----	----	----
	50 µg/L	----	100	110	73.9	126
Chloromethane	50 µg/L	----	100	120	67.4	130
	50 µg/L	<50	----	----	----	----
cis-1,2-Dichloroethene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	101	79.5	121
cis-1,4-Dichloro-2-butene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	85.6	70.6	128
Dibromomethane	5 µg/L	----	10	97.7	76.1	126
	5 µg/L	<5	----	----	----	----
Dichlorodifluoromethane	50 µg/L	----	100	124	60.6	138
	50 µg/L	<50	----	----	----	----
Hexachlorobutadiene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	88.5	67.2	129
Iodomethane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	96.7	70.2	128

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 31 of 38
Issue Date : 28 Jul 2007



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074E: Halogenated Aliphatic Compounds - continued						
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 457801) - continued		µg/L	µg/L	%	%	%
Pentachloroethane	5 µg/L	----	10	84.1	71.8	126
	5 µg/L	<5	----	----	----	----
Tetrachloroethene	5 µg/L	----	10	93.4	75	124
	5 µg/L	<5	----	----	----	----
trans-1,2-Dichloroethene	5 µg/L	----	10	103	77.4	122
	5 µg/L	<5	----	----	----	----
trans-1,4-Dichloro-2-butene	5 µg/L	----	10	74.5	61.4	136
	5 µg/L	<5	----	----	----	----
Trichloroethene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	100	76.7	123
Trichlorofluoromethane	50 µg/L	----	100	96.5	71.6	128
	50 µg/L	<50	----	----	----	----
Vinyl chloride	50 µg/L	----	100	121	69.4	129
	50 µg/L	<50	----	----	----	----
EP074F: Halogenated Aromatic Compounds						
EP074F: Halogenated Aromatic Compounds - (QC Lot: 457801)		µg/L	µg/L	%	%	%
1,2,3-Trichlorobenzene	5 µg/L	----	10	90.0	68.6	128
	5 µg/L	<5	----	----	----	----
1,2,4-Trichlorobenzene	5 µg/L	----	10	85.9	67.8	129
	5 µg/L	<5	----	----	----	----
1,2-Dichlorobenzene	5 µg/L	----	10	95.5	82.3	116
	5 µg/L	<5	----	----	----	----
1,3-Dichlorobenzene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	92.3	78.9	120
1,4-Dichlorobenzene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	92.7	79.9	119
2-Chlorotoluene	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	98.3	78.2	120
4-Chlorotoluene	5 µg/L	----	10	98.2	79	119
	5 µg/L	<5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 32 of 38
Issue Date : 28 Jul 2007



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP074F: Halogenated Aromatic Compounds - continued						
EP074F: Halogenated Aromatic Compounds - (QC Lot: 457801) - continued		µg/L	µg/L	%	%	%
Bromobenzene	5 µg/L	----	10	99.3	79.3	119
	5 µg/L	<5	----	----	----	----
Chlorobenzene	5 µg/L	----	10	112	80.8	119
	5 µg/L	<5	----	----	----	----
EP074G: Trihalomethanes						
EP074G: Trihalomethanes - (QC Lot: 457801)		µg/L	µg/L	%	%	%
Bromodichloromethane	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	88.0	76.9	123
Bromoform	5 µg/L	----	10	82.2	73.5	126
	5 µg/L	<5	----	----	----	----
Chloroform	5 µg/L	<5	----	----	----	----
	5 µg/L	----	10	95.2	78.2	122
Dibromochloromethane	5 µg/L	----	10	83.5	78.5	124
	5 µg/L	<5	----	----	----	----
EP074H: Naphthalene						
EP074H: Naphthalene - (QC Lot: 457801)		µg/L	µg/L	%	%	%
Naphthalene	5 µg/L	----	10	103	72.9	127
	5 µg/L	<5	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456915)		µg/L	µg/L	%	%	%
Acenaphthene	0.2 µg/L	----	2	98.8	62.2	113
	0.5 µg/L	<0.5	----	----	----	----
Acenaphthylene	0.2 µg/L	----	2	100	63.6	114
	0.5 µg/L	<0.5	----	----	----	----
Anthracene	0.2 µg/L	----	2	98.6	64.3	116
	0.5 µg/L	<0.5	----	----	----	----
Benz(a)anthracene	0.2 µg/L	----	2	104	64.1	117
	0.5 µg/L	<0.5	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 33 of 38
Issue Date : 28 Jul 2007



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - continued						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456915) - continued		µg/L	µg/L	%	%	%
Benzo(a)pyrene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	98.8	63.3	117
Benzo(b)fluoranthene	0.2 µg/L	----	2	105	61.7	119
	0.5 µg/L	<0.5	----	----	----	----
Benzo(g,h,i)perylene	0.2 µg/L	----	2	83.7	59.1	118
	0.5 µg/L	<0.5	----	----	----	----
Benzo(k)fluoranthene	0.2 µg/L	----	2	95.6	61.7	117
	0.5 µg/L	<0.5	----	----	----	----
Chrysene	0.2 µg/L	----	2	102	62.5	116
	0.5 µg/L	<0.5	----	----	----	----
Dibenz(a,h)anthracene	0.2 µg/L	----	2	88.6	61.2	117
	0.5 µg/L	<0.5	----	----	----	----
Fluoranthene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	104	63.6	118
Fluorene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	100	63.9	115
Indeno(1,2,3,cd)pyrene	0.2 µg/L	----	2	85.8	59.9	118
	0.5 µg/L	<0.5	----	----	----	----
Naphthalene	0.2 µg/L	----	2	96.8	62.4	114
	0.5 µg/L	<0.5	----	----	----	----
Phenanthrene	0.2 µg/L	----	2	104	62.6	116
	0.5 µg/L	<0.5	----	----	----	----
Pyrene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	104	63.1	118
EP080/071: Total Petroleum Hydrocarbons						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 456914)		µg/L	µg/L	%	%	%
C10 - C14 Fraction	50 µg/L	----	200	84.0	58.9	131
	50 µg/L	<50	----	----	----	----
C15 - C28 Fraction	100 µg/L	<100	----	----	----	----
	100 µg/L	----	200	116	73.9	138

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 34 of 38
 Issue Date : 28 Jul 2007



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

		Method blank result	Actual Results		Recovery Limits	
Analyte name	LOR		Spike concentration	Spike Recovery	Dynamic Recovery Limits	
				LCS	Low	High
EP080/071: Total Petroleum Hydrocarbons - continued						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 456914) - continued		µg/L	µg/L	%	%	%
C29 - C36 Fraction	50 µg/L	----	200	83.5	62.7	131
	50 µg/L	<50	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 457802)		µg/L	µg/L	%	%	%
C6 - C9 Fraction	20 µg/L	----	260	124	75	127
	20 µg/L	<20	----	----	----	----
EP080: BTEX						
EP080: BTEX - (QC Lot: 457802)		µg/L	µg/L	%	%	%
Benzene	1 µg/L	----	10	115	76.2	124
	1 µg/L	<1	----	----	----	----
Ethylbenzene	2 µg/L	----	10	97.2	76.1	122
	2 µg/L	<2	----	----	----	----
meta- & para-Xylene	2 µg/L	<2	----	----	----	----
	2 µg/L	----	10	108	75.7	123
ortho-Xylene	2 µg/L	<2	----	----	----	----
	2 µg/L	----	10	101	77.9	121
Toluene	2 µg/L	----	10	121	74.4	124
	2 µg/L	<2	----	----	----	----

Client : URS AUSTRALIA (NSW) PTY LTD
 Project : 43217612

Work Order : ES0709901
 ALS Quote Reference : EN/001/07

Page Number : 35 of 38
 Issue Date : 28 Jul 2007

Quality Control Report - Matrix Spikes (MS)

The quality control term **Matrix Spike (MS)** refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC type is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQO's). 'Ideal' recovery ranges stated may be waived in the event of sample matrix interferences. - Anonymous - Client Sample IDs refer to samples which are not specifically part of this work order but formed part of the QC process lot. *Abbreviations: LOR = Limit of Reporting, RPD = Relative Percent Difference.*

* Indicates failed QC

Matrix Type: SOIL **Matrix Spike (MS) Report**

					Actual Results		Recovery Limits		
Analyte name		Laboratory Sample ID	Client Sample ID	LOR	Spike Concentration	Sample Result	Spike Recovery	Static Limits	
							MS	Low	High
EG005T: Total Metals by ICP-AES									
EG005T: Total Metals by ICP-AES - (QC Lot: 455755)					mg/kg	mg/kg	%	%	%
Arsenic	ES0709717-002	Anonymous	5 mg/kg	50	<5	103	70	130	
Cadmium			1 mg/kg	50	<1	90.4	70	130	
Chromium			2 mg/kg	50	<2	98.8	70	130	
Copper			5 mg/kg	250	15	119	70	130	
Lead			5 mg/kg	250	24	90.8	70	130	
Nickel			2 mg/kg	50	4	96.4	70	130	
Zinc			5 mg/kg	250	157	87.2	70	130	
EG035T: Total Mercury by FIMS									
EG035T: Total Mercury by FIMS - (QC Lot: 455756)					mg/kg	mg/kg	%	%	%
Mercury	ES0709717-002	Anonymous	0.1 mg/kg	5	0.1	109	70	130	
EP074A: Monocyclic Aromatic Hydrocarbons									
EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 455738)					mg/kg	mg/kg	%	%	%
Benzene	ES0709901-015	RETENTION POND	0.2 mg/kg	2.5	<0.2	92.1	70	130	
Toluene			0.5 mg/kg	2.5	<0.5	93.4	70	130	
EP074E: Halogenated Aliphatic Compounds									
EP074E: Halogenated Aliphatic Compounds - (QC Lot: 455738)					mg/kg	mg/kg	%	%	%
1,1-Dichloroethene	ES0709901-015	RETENTION POND	0.5 mg/kg	2.5	<0.5	74.9	70	130	
Trichloroethene			0.5 mg/kg	2.5	<0.5	75.9	70	130	
EP074F: Halogenated Aromatic Compounds									
EP074F: Halogenated Aromatic Compounds - (QC Lot: 455738)					mg/kg	mg/kg	%	%	%
Chlorobenzene	ES0709901-015	RETENTION POND	0.5 mg/kg	2.5	<0.5	84.3	70	130	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456125)					mg/kg	mg/kg	%	%	%

Client : URS AUSTRALIA (NSW) PTY LTD
Project : 43217612

Work Order : ES0709901
ALS Quote Reference : EN/001/07

Page Number : 36 of 38
Issue Date : 28 Jul 2007

Matrix Type: SOIL Matrix Spike (MS) Report

					Actual Results		Recovery Limits	
					Sample Result	Spike Recovery	Static Limits	
						MS	Low	High
Analyte name	Laboratory Sample ID	Client Sample ID	LOR	Spike Concentration				
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - continued								
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 456125) - continued				mg/kg	mg/kg	%	%	%
Acenaphthene	ES0709866-001	Anonymous	0.5 mg/kg	10	<0.5	88.1	70	130
Pyrene			0.5 mg/kg	10	<0.5	93.0	70	130
EP080/071: Total Petroleum Hydrocarbons								
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 455737)				mg/kg	mg/kg	%	%	%
C6 - C9 Fraction	ES0709884-002	Anonymous	10 mg/kg	26	<10	112	70	130
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 456124)				mg/kg	mg/kg	%	%	%
C10 - C14 Fraction	ES0709866-001	Anonymous	50 mg/kg	490	<50	94.3	70	130
C15 - C28 Fraction			100 mg/kg	3380	180	86.6	70	130
C29 - C36 Fraction			100 mg/kg	2260	420	72.4	70	130
EP080: BTEX								
EP080: BTEX - (QC Lot: 455737)				mg/kg	mg/kg	%	%	%
Benzene	ES0709884-002	Anonymous	0.2 mg/kg	2.5	<0.2	115	70	130
Toluene			0.5 mg/kg	2.5	<0.5	122	70	130
Ethylbenzene			0.5 mg/kg	2.5	<0.5	128	70	130
meta- & para-Xylene			0.5 mg/kg	2.5	<0.5	124	70	130
ortho-Xylene			0.5 mg/kg	2.5	<0.5	117	70	130

Matrix Type: WATER Matrix Spike (MS) Report

					Actual Results		Recovery Limits	
					Sample Result	Spike Recovery	Static Limits	
						MS	Low	High
Analyte name	Laboratory Sample ID	Client Sample ID	LOR	Spike Concentration				
EG020F: Dissolved Metals by ICP-MS								
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 457258)				mg/L	mg/L	%	%	%
Arsenic	ES0709845-019	Anonymous	0.001 mg/L	0.2	<0.001	102	70	130
Cadmium			0.0001 mg/L	0.05	0.0002	97.6	70	130
Chromium			0.001 mg/L	0.2	<0.001	102	70	130
Copper			0.001 mg/L	0.2	1.32	* Not Determined	70	130
Lead			0.001 mg/L	0.2	<0.001	109	70	130
Nickel			0.001 mg/L	0.2	0.001	99.4	70	130
Zinc			0.005 mg/L	0.2	0.054	106	70	130