Matrix Type: SOIL

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

Analyte name	LOR	Method blank result	Actual Results: Spike concentration	Actual Results: Spike Recovery LCS	Recovery Limits: Dynamic Recovery Limits Low	Recovery Limits: Dynamic Recovery Limits High
EP080/071: Total Petroleum Hydrocarbons - continued						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 482565)		mg/kg	mg/kg	%	%	%
C6 - C9 Fraction	10 mg/kg	<10	----	----	----	----
	10 mg/kg	----	26	88.2	68.4	128
EP080: BTEX						
EP080: BTEX - (QC Lot: 482565)		mg/kg	mg/kg	%	%	%
Benzene	0.2 mg/kg	<0.2	----	----	----	----
	0.2 mg/kg	----	1	101	67.5	125
Ethylbenzene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	101	65.3	126
meta- & para-Xylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	2	106	66.5	124
ortho-Xylene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	97.4	66.7	123
Toluene	0.5 mg/kg	<0.5	----	----	----	----
	0.5 mg/kg	----	1	104	69	122

Matrix Type: WATER

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

Analyte name	LOR	Method blank result	Actual Results: Spike concentration	Actual Results: Spike Recovery LCS	Recovery Limits: Dynamic Recovery Limits Low	Recovery Limits: Dynamic Recovery Limits High
EA010P: Conductivity by PC Titrator						
EA010P: Conductivity by PC Titrator - (QC Lot: 483047)		µS/cm	µS/cm	%	%	%
Electrical Conductivity @ 25°C	1 µS/cm	<1	----	----	----	----
	1 µS/cm	----	1412	100	86.3	112
EG020F: Dissolved Metals by ICP-MS						
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 484077)		mg/L	mg/L	%	%	%
Arsenic	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	94.9	70	130
Cadmium	0.0001 mg/L	----	0.1	95.1	70	130
	0.0001 mg/L	<0.0001	----	----	----	----

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*
EG020F: Dissolved Metals by ICP-MS - continued						
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 484077) - continued		mg/L	mg/L	%	%	%
Chromium	0.001 mg/L	<0.001	----	----	----	----
	0.001 mg/L	----	0.1	102	70	130
Copper	0.001 mg/L	----	0.1	95.3	70	130
	0.001 mg/L	<0.001	----	----	----	----
Lead	0.001 mg/L	----	0.1	95.2	70	130
	0.001 mg/L	<0.001	----	----	----	----
Nickel	0.001 mg/L	----	0.1	98.1	70	130
	0.001 mg/L	<0.001	----	----	----	----
Zinc	0.005 mg/L	----	0.1	97.0	70	130
	0.005 mg/L	<0.005	----	----	----	----
EG035F: Dissolved Mercury by FIMS						
EG035F: Dissolved Mercury by FIMS - (QC Lot: 482928)		mg/L	mg/L	%	%	%
Mercury	0.0001 mg/L	----	0.010	97.2	80.5	117
	0.0001 mg/L	<0.0001	----	----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 482987)		µg/L	µg/L	%	%	%
Acenaphthene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	100	62.2	113
Acenaphthylene	0.2 µg/L	----	2	99.4	63.6	114
	0.5 µg/L	<0.5	----	----	----	----
Anthracene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	80.5	64.3	116
Benz(a)anthracene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	76.2	64.1	117
Benzo(a)pyrene	0.2 µg/L	----	2	81.9	63.3	117
	0.5 µg/L	<0.5	----	----	----	----
Benzo(b)fluoranthene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	81.1	61.7	119

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*
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - continued						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 482987) - continued		µg/L	µg/L	%	%	%
Benzo(g,h,i)perylene	0.2 µg/L	----	2	86.5	59.1	118
	0.5 µg/L	<0.5	----	----	----	----
Benzo(k)fluoranthene	0.2 µg/L	----	2	76.1	61.7	117
	0.5 µg/L	<0.5	----	----	----	----
Chrysene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	76.2	62.5	116
Dibenz(a,h)anthracene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	81.8	61.2	117
Fluoranthene	0.2 µg/L	----	2	79.9	63.6	118
	0.5 µg/L	<0.5	----	----	----	----
Fluorene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	92.6	63.9	115
Indeno(1,2,3,cd)pyrene	0.2 µg/L	----	2	77.9	59.9	118
	0.5 µg/L	<0.5	----	----	----	----
Naphthalene	0.2 µg/L	----	2	79.4	62.4	114
	0.5 µg/L	<0.5	----	----	----	----
Phenanthrene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	81.7	62.6	116
Pyrene	0.5 µg/L	<0.5	----	----	----	----
	0.2 µg/L	----	2	84.4	63.1	118
EP080/071: Total Petroleum Hydrocarbons						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 482984)		µg/L	µg/L	%	%	%
C10 - C14 Fraction	50 µg/L	<50	----	----	----	----
	50 µg/L	----	200	109	58.9	131
C15 - C28 Fraction	100 µg/L	----	200	98.0	73.9	138
	100 µg/L	<100	----	----	----	----
C29 - C36 Fraction	50 µg/L	----	200	77.5	62.7	131
	50 µg/L	<50	----	----	----	----
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 483057)		µg/L	µg/L	%	%	%

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*
EP080/071: Total Petroleum Hydrocarbons - continued						
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 483057) - continued		µg/L	µg/L	%	%	%
C6 - C9 Fraction	20 µg/L	----	260	96.4	75	127
	20 µg/L	<20	----	----	----	----
EP080: BTEX						
EP080: BTEX - (QC Lot: 483057)		µg/L	µg/L	%	%	%
Benzene	1 µg/L	----	10	93.7	76.2	124
	1 µg/L	<1	----	----	----	----
Ethylbenzene	2 µg/L	<2	----	----	----	----
	2 µg/L	----	10	97.9	76.1	122
meta- & para-Xylene	2 µg/L	<2	----	----	----	----
	2 µg/L	----	10	96.1	75.7	123
ortho-Xylene	2 µg/L	<2	----	----	----	----
	2 µg/L	----	10	99.1	77.9	121
Toluene	2 µg/L	<2	----	----	----	----
	2 µg/L	----	10	84.7	74.4	124

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	
					Sample Result	Spike Recovery	Static Limits	
Analyte name	Laboratory Sample ID	Client Sample ID	LOR	Spike Concentration		MS	Low	High
EG005T: Total Metals by ICP-AES								
EG005T: Total Metals by ICP-AES - (QC Lot: 483448)				mg/kg	mg/kg	%	%	%
Arsenic	ES0712012-003	CS6	5 mg/kg	50	9	95.6	70	130
Cadmium			1 mg/kg	50	<1	96.2	70	130
Chromium			2 mg/kg	50	14	95.9	70	130
Copper			5 mg/kg	250	43	105	70	130
Lead			5 mg/kg	250	14	93.8	70	130
Nickel			2 mg/kg	50	66	82.2	70	130
Zinc			5 mg/kg	250	45	90.9	70	130
EG035T: Total Mercury by FIMS								
EG035T: Total Mercury by FIMS - (QC Lot: 483449)				mg/kg	mg/kg	%	%	%
Mercury	ES0712012-003	CS6	0.1 mg/kg	5	0.6	93.6	70	130
EP068A: Organochlorine Pesticides (OC)								
EP068A: Organochlorine Pesticides (OC) - (QC Lot: 482588)				mg/kg	mg/kg	%	%	%
gamma-BHC	ES0712012-004	CS7	0.05 mg/kg	0.25	<0.05	75.2	75.65	110.44
Heptachlor			0.05 mg/kg	0.25	<0.05	99.1	72.2	106.71
Aldrin			0.05 mg/kg	0.25	<0.05	87.6	77.54	107.0
Dieldrin			0.05 mg/kg	0.25	<0.05	110	76.37	109.7
Endrin			0.05 mg/kg	1	<0.05	112	68.51	119.47
4.4'-DDT			0.20 mg/kg	1	<0.2	75.9	67.12	118.10
EP068B: Organophosphorus Pesticides (OP)								
EP068B: Organophosphorus Pesticides (OP) - (QC Lot: 482588)				mg/kg	mg/kg	%	%	%
Diazinon	ES0712012-004	CS7	0.05 mg/kg	0.25	<0.05	92.6	75.85	107.06
Chlorpyrifos-methyl			0.05 mg/kg	0.25	<0.05	87.9	74.84	107.91
Pirimphos-ethyl			0.05 mg/kg	0.25	<0.05	81.0	67.98	109.42
Bromophos-ethyl			0.05 mg/kg	0.25	<0.05	75.3	74.94	107.37

Matrix Type: SOIL

Matrix Spike (MS) Report

Analyte name	Laboratory Sample ID	Client Sample ID	LOR	Spike Concentration	Actual Results: Sample Result	Actual Results: Spike Recovery MS	Recovery Limits: Static Limits Low	Recovery Limits: Static Limits High
EP068B: Organophosphorus Pesticides (OP) - continued								
EP068B: Organophosphorus Pesticides (OP) - (QC Lot: 482588) - continued				mg/kg	mg/kg	%	%	%
Prothiofos	ES0712012-004	CS7	0.05 mg/kg	0.25	<0.05	96.0	75.45	106.05
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 482524)				mg/kg	mg/kg	%	%	%
Acenaphthene	ES0712012-009	CS12	0.5 mg/kg	10	<0.5	94.4	70	130
Pyrene			0.5 mg/kg	10	<0.5	97.7	70	130
EP080/071: Total Petroleum Hydrocarbons								
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 482523)				mg/kg	mg/kg	%	%	%
C10 - C14 Fraction	ES0712012-009	CS12	50 mg/kg	790	<50	94.2	70	130
C15 - C28 Fraction			100 mg/kg	3490	<100	115	70	130
C29 - C36 Fraction			100 mg/kg	2400	<100	115	70	130
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 482565)				mg/kg	mg/kg	%	%	%
C6 - C9 Fraction	ES0712012-003	CS6	10 mg/kg	26	<10	81.0	70	130
EP080: BTEX								
EP080: BTEX - (QC Lot: 482565)				mg/kg	mg/kg	%	%	%
Benzene	ES0712012-003	CS6	0.2 mg/kg	2.5	<0.2	79.7	70	130
Toluene			0.5 mg/kg	2.5	<0.5	76.4	70	130
Ethylbenzene			0.5 mg/kg	2.5	<0.5	74.7	70	130
meta- & para-Xylene			0.5 mg/kg	2.5	<0.5	75.6	70	130
ortho-Xylene			0.5 mg/kg	2.5	<0.5	76.8	70	130

Matrix Type: WATER

Matrix Spike (MS) Report

Analyte name	Laboratory Sample ID	Client Sample ID	LOR	Spike Concentration	Actual Results: Sample Result	Actual Results: Spike Recovery MS	Recovery Limits: Static Limits Low	Recovery Limits: Static Limits High
EG020F: Dissolved Metals by ICP-MS								
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 484077)				mg/L	mg/L	%	%	%
Arsenic	EP0703856-007	Anonymous	0.001 mg/L	0.2	<0.001	97.6	70	130
Cadmium			0.0001 mg/L	0.05	<0.0001	92.8	70	130
Chromium			0.001 mg/L	0.2	<0.001	101	70	130

Matrix Type: WATER

Matrix Spike (MS) Report

Analyte name	Laboratory Sample ID	Client Sample ID	LOR	Spike Concentration	Actual Results: Sample Result	Actual Results: Spike Recovery MS	Recovery Limits: Static Limits Low	Recovery Limits: Static Limits High
EG020F: Dissolved Metals by ICP-MS - continued								
EG020F: Dissolved Metals by ICP-MS - (QC Lot: 484077) - continued				mg/L	mg/L	%	%	%
Copper	EP0703856-007	Anonymous	0.001 mg/L	0.2	0.002	91.5	70	130
Lead			0.001 mg/L	0.2	<0.001	96.0	70	130
Nickel			0.001 mg/L	0.2	<0.001	96.9	70	130
Zinc			0.005 mg/L	0.2	<0.005	98.6	70	130
EG035F: Dissolved Mercury by FIMS								
EG035F: Dissolved Mercury by FIMS - (QC Lot: 482928)				mg/L	mg/L	%	%	%
Mercury	ES0712012-001	BH1	0.0001 mg/L	0.0100	<0.0001	90.5	70	130
EP080/071: Total Petroleum Hydrocarbons								
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 483057)				µg/L	µg/L	%	%	%
C6 - C9 Fraction	ES0712027-016	Anonymous	20 µg/L	250	<20	110	70	130
EP080: BTEX								
EP080: BTEX - (QC Lot: 483057)				µg/L	µg/L	%	%	%
Benzene	ES0712027-016	Anonymous	1 µg/L	25	<1	102	70	130
Toluene			2 µg/L	25	<2	97.2	70	130
Ethylbenzene			2 µg/L	25	<2	102	70	130
meta- & para-Xylene			2 µg/L	25	<2	102	70	130
ortho-Xylene			2 µg/L	25	<2	104	70	130

ALS Environmental

INTERPRETIVE QUALITY CONTROL REPORT

Client	:	**COFFEY GEOTECHNICS**	**Laboratory**	:	Environmental Division Sydney	**Page**	: **1 of 8**
Contact	:	MR STEVE MORTON	**Contact**	:	Victor Kedicioglu		
Address	:	UNIT 1/4 DOUGLAS AVENUE TUNCURRY NSW AUSTRALIA 2428	**Address**	:	277-289 Woodpark Road Smithfield NSW Australia 2164	**Work order**	: **ES0712012**
						Amendment No.	:
Project	:	TUNCD1736AA	**Quote number**	:	EN/007/07	**Date received**	: 30 Aug 2007
Order number	:	- Not provided -				**Date issued**	: 6 Sep 2007
C-O-C number	:	14507					
Site	:	- Not provided -					
E-mail	:	steve_morton@coffey.com	**E-mail**	:	Victor.Kedicioglu@alsenviro.com	**No. of samples**	
Telephone	:	6555 8554	**Telephone**	:	+61-2-8784 8555	**Received**	: 12
Facsimile	:	- Not provided -	**Facsimile**	:	+61-2-8784 8500	**Analysed**	: 12

This Interpretive Quality Control Report was issued on 6 Sep 2007 for the ALS work order reference ES0712012 and supersedes any previous reports with this reference.
This report contains the following information:

- Analysis Holding Time Compliance
- Quality Control Type Frequency Compliance
- Summary of all Quality Control Outliers
- Brief Method Summaries

ALS Environmental

Interpretive Quality Control Report - Analysis Holding Time

The following report summarises extraction / preparation and analysis times and compares with recommended holding times. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. Information is also provided re the sample container (preservative) from which the sample aliquot was taken. Elapsed time to analysis represents time from sampling where no extraction / digestion is involved or time from extraction / digestion where this is present. For composite samples, sampling date/time is taken as that of the oldest sample contributing to that composite. Sample date/time for laboratory produced leaches are taken from the completion date/time of the leaching process. Outliers for holding time are based on USEPA SW846, APHA, AS and NEPM (1999). Failed outliers, refer to the 'Summary of Outliers'.

Matrix Type: SOIL

Analysis Holding Time and Preservation

Method / Container / Client Sample ID(s)	Date Sampled	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Pass?	Date analysed	Due for analysis	Pass?
EA055-103: Moisture Content							
Snap Lock Bag							
CS6, CS7, CS8, CS9, CS10, CS11, CS12, CS13, CS14, CS15	**29 Aug 2007**	---	---	---	**30 Aug 2007**	5 Sep 2007	Pass
EG005T: Total Metals by ICP-AES							
Snap Lock Bag							
CS6, CS7, CS8, CS9, CS10, CS11, CS12, CS13, CS14, CS15	**29 Aug 2007**	**31 Aug 2007**	25 Feb 2008	Pass	**1 Sep 2007**	25 Feb 2008	Pass
EG035T: Total Mercury by FIMS							
Snap Lock Bag							
CS6, CS7, CS8, CS9, CS10, CS11, CS12, CS13, CS14, CS15	**29 Aug 2007**	**31 Aug 2007**	26 Sep 2007	Pass	**3 Sep 2007**	26 Sep 2007	Pass
EP068: Pesticides by GCMS							
Snap Lock Bag							
CS6, CS7, CS8, CS9, CS10, CS11, CS12, CS13, CS14, CS15	**29 Aug 2007**	**30 Aug 2007**	12 Sep 2007	Pass	**3 Sep 2007**	9 Oct 2007	Pass
EP071: TPH - Semivolatile Fraction							
Snap Lock Bag							
CS6, CS7, CS8, CS9, CS10, CS11, CS12, CS13, CS14, CS15	**29 Aug 2007**	**30 Aug 2007**	12 Sep 2007	Pass	**3 Sep 2007**	9 Oct 2007	Pass
EP075(SIM): PAH/Phenols (SIM)							

Analysis Holding Time and Preservation

Matrix Type: SOIL

Method / Container / Client Sample ID(s)	Date Sampled	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Pass?	Date analysed	Due for analysis	Pass?
EP075(SIM): PAH/Phenols (SIM) - **continued**							
Snap Lock Bag							
CS6, CS7, CS8, CS9, CS10, CS11, CS12, CS13, CS14, CS15	**29 Aug 2007**	**30 Aug 2007**	12 Sep 2007	Pass	**3 Sep 2007**	9 Oct 2007	Pass
EP080: TPH Volatiles/BTEX							
Snap Lock Bag							
CS6, CS7, CS8, CS9, CS10, CS11, CS12, CS13, CS14, CS15	**29 Aug 2007**	**30 Aug 2007**	12 Sep 2007	Pass	**3 Sep 2007**	12 Sep 2007	Pass

Analysis Holding Time and Preservation

Matrix Type: WATER

Method / Container / Client Sample ID(s)	Date Sampled	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Pass?	Date analysed	Due for analysis	Pass?
EA005: pH							
Clear Plastic Bottle - Natural							
BH1, BH2A	**29 Aug 2007**	----	----	----	**30 Aug 2007**	29 Aug 2007	**Fail by 1 day**
EA010-P: Conductivity by PC Titrator							
Clear Plastic Bottle - Natural							
BH1, BH2A	**29 Aug 2007**	----	----	----	**31 Aug 2007**	26 Sep 2007	Pass
EG020A-F: Dissolved Metals by ICP-MS - Suite A							
Clear Plastic Bottle - Nitric Acid; Filtered							
BH1, BH2A	**29 Aug 2007**	----	----	----	**3 Sep 2007**	25 Feb 2008	Pass
EG035F: Dissolved Mercury by FIMS							
Clear Plastic Bottle - Nitric Acid; Filtered							
BH1, BH2A	**29 Aug 2007**	----	----	----	**3 Sep 2007**	26 Sep 2007	Pass
EP071: TPH - Semivolatile Fraction							
Amber Glass Bottle - Unpreserved							
BH1, BH2A	**29 Aug 2007**	**3 Sep 2007**	5 Sep 2007	Pass	**4 Sep 2007**	14 Oct 2007	Pass
EP075(SIM): PAH/Phenols (GC/MS - SIM)							
Amber Glass Bottle - Unpreserved							
BH1, BH2A	**29 Aug 2007**	**3 Sep 2007**	5 Sep 2007	Pass	**4 Sep 2007**	14 Oct 2007	Pass
EP080: TPH Volatiles/BTEX							
Amber VOC Vial - HCl or NaHSO4							
BH1, BH2A	**29 Aug 2007**	----	----	----	**31 Aug 2007**	12 Sep 2007	Pass

Interpretive Quality Control Report - Frequency of Quality Control Samples

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which this work order was processed. Actual rate should be greater than or equal to the expected rate.

Frequency of Quality Control Samples

Matrix Type: SOIL

Quality Control Sample Type / Method	Count QC	Count Regular	Rate (%) Actual	Rate (%) Expected	Quality Control Specification
Laboratory Duplicates (DUP)	2	15	13.3	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EA055-103: Moisture Content	2	20	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG005T: Total Metals by ICP-AES	2	20	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035T: Total Mercury by FIMS	1	10	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP068: Pesticides by GCMS	2	20	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP071: TPH - Semivolatile Fraction	2	16	12.5	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP075(SIM): PAH/Phenols (SIM)	1	10	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX					
Laboratory Control Samples (LCS)	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG005T: Total Metals by ICP-AES	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035T: Total Mercury by FIMS	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP068: Pesticides by GCMS	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP071: TPH - Semivolatile Fraction	1	16	6.3	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP075(SIM): PAH/Phenols (SIM)	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX					
Method Blanks (MB)	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG005T: Total Metals by ICP-AES	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035T: Total Mercury by FIMS	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP068: Pesticides by GCMS	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP071: TPH - Semivolatile Fraction	1	16	6.3	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP075(SIM): PAH/Phenols (SIM)	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX					
Matrix Spikes (MS)	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG005T: Total Metals by ICP-AES	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035T: Total Mercury by FIMS	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP068: Pesticides by GCMS	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP071: TPH - Semivolatile Fraction	1	16	6.3	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP075(SIM): PAH/Phenols (SIM)	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX					

Frequency of Quality Control Samples

Matrix Type: WATER

Quality Control Sample Type / Method	Count QC	Count Regular	Rate (%) Actual	Rate (%) Expected	Quality Control Specification
Laboratory Duplicates (DUP)	1	7	14.3	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EA005: pH	2	20	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EA010-P: Conductivity by PC Titrator	2	19	10.5	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG020A-F: Dissolved Metals by ICP-MS - Suite A	1	10	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035F: Dissolved Mercury by FIMS	2	18	11.1	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP071: TPH - Semivolatile Fraction	2	20	10.0	10.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX					

Frequency of Quality Control Samples

Matrix Type: WATER

Quality Control Sample Type / Method	Count QC	Count Regular	Rate (%) Actual	Rate (%) Expected	Quality Control Specification
Laboratory Control Samples (LCS)					
EA010-P: Conductivity by PC Titrator	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG020A-F: Dissolved Metals by ICP-MS - Suite A	1	19	5.3	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035F: Dissolved Mercury by FIMS	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP071: TPH - Semivolatile Fraction	1	18	5.6	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP075(SIM): PAH/Phenols (GC/MS - SIM)	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
Method Blanks (MB)					
EA010-P: Conductivity by PC Titrator	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG020A-F: Dissolved Metals by ICP-MS - Suite A	1	19	5.3	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035F: Dissolved Mercury by FIMS	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP071: TPH - Semivolatile Fraction	1	18	5.6	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP075(SIM): PAH/Phenols (GC/MS - SIM)	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
Matrix Spikes (MS)					
EG020A-F: Dissolved Metals by ICP-MS - Suite A	1	19	5.3	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EG035F: Dissolved Mercury by FIMS	1	10	10.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement
EP080: TPH Volatiles/BTEX	1	20	5.0	5.0	NEPM 1999 Schedule B(3) and ALSE QCS3 requirement