



ALS Environmental

Client : SINCLAIR KNIGHT MERZ
Project : ENO1669

Work Order : ES0501569
ALS Quote Reference : SY/221/04

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Issue Date : 11 Mar 2005

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 LCS	Dynamic Recovery Limits Low	High
EP075G: Chlorinated Hydrocarbons						
EP075G: Chlorinated Hydrocarbons - (QC Lot: 48039)						
1,4-Dichlorobenzene	2 µg/L	<2	µg/L	%	%	%
1,3-Dichlorobenzene	2 µg/L	<2	---	---	---	---
1,4-Dichlorobenzene	2 µg/L	---	5	82.6	45	121
1,3-Dichlorobenzene	2 µg/L	---	5	82.5	45	122
1,2-Dichlorobenzene	2 µg/L	<2	---	---	---	---
2 µg/L	2 µg/L	---	5	83.7	48	117
Hexachloroethane	2 µg/L	<2	---	---	---	---
2 µg/L	2 µg/L	---	5	81.8	34	117
1,2,4-Trichlorobenzene	2 µg/L	<2	---	---	---	---
2 µg/L	2 µg/L	---	5	82.8	43	119
Hexachloropropylene	2 µg/L	<2	---	---	---	---
2 µg/L	2 µg/L	---	5	59.0	32	114
Hexachlorobutadiene	2 µg/L	<2	---	---	---	---
2 µg/L	2 µg/L	---	5	78.6	39	117
Hexachlorocyclopentadiene	10 µg/L	<10	---	---	---	---
10 µg/L	10 µg/L	---	5	63.5	0	119
Pentachlorobenzene	2 µg/L	<2	---	---	---	---
2 µg/L	2 µg/L	---	5	84.9	64	118
Hexachlorobenzene (HCB)	4 µg/L	<4	---	---	---	---
4 µg/L	4 µg/L	---	5	82.6	66	119
EP075G: Chlorinated Hydrocarbons - (QC Lot: 48758)						
1,4-Dichlorobenzene	2 µg/L	---	µg/L	%	%	%
1,3-Dichlorobenzene	2 µg/L	---	5	79.2	45	121
1,4-Dichlorobenzene	2 µg/L	<2	5	78.4	45	122
1,3-Dichlorobenzene	2 µg/L	<2	---	---	---	---
1,2-Dichlorobenzene	2 µg/L	<2	---	---	---	---
2 µg/L	2 µg/L	---	5	79.0	48	117
2 µg/L	2 µg/L	<2	---	---	---	---
Hexachloroethane	2 µg/L	---	5	76.1	34	117
2 µg/L	2 µg/L	<2	---	---	---	---
1,2,4-Trichlorobenzene	2 µg/L	---	5	80.3	43	119
2 µg/L	2 µg/L	<2	---	---	---	---
Hexachloropropylene	2 µg/L	---	5	72.1	32	114
2 µg/L	2 µg/L	<2	---	---	---	---
Hexachlorobutadiene	2 µg/L	---	5	87.8	39	117
2 µg/L	2 µg/L	<2	---	---	---	---
Hexachlorocyclopentadiene	10 µg/L	---	5	64.3	0	119
10 µg/L	10 µg/L	<10	---	---	---	---

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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	
EP075G: Chlorinated Hydrocarbons							
EP075G: Chlorinated Hydrocarbons - (QC Lot: 48758)							
Pentachlorobenzene		2 µg/L	µg/L	%	%	%	
		2 µg/L	5	86.9	64	118	
			<2				
Hexachlorobenzene (HCB)		4 µg/L	µg/L	%	%	%	
		4 µg/L	5	87.0	66	119	
			<4				



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

Analyte name	LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery LCS	Dynamic Recovery Limits	High
			µg/L	%	Low	%
EP075H: Anilines and Benzidines - (QC Lot: 48039)						
Aniline	2 µg/L	<2	5	65.8	6	121
4-Chloroaniline	2 µg/L	<2	5	80.2	40	118
2-Nitroaniline	4 µg/L	<4	5	77.3	60	113
3-Nitroaniline	4 µg/L	<4	5	71.3	55	110
Dibenzofuran	2 µg/L	<2	5	80.6	70	116
4-Nitroaniline	2 µg/L	<2	5	77.6	46	117
Carbazole	2 µg/L	<2	5	82.1	69	109
3,3'-Dichlorobenzidine	2 µg/L	<2	5	85.9	48	138
EP075H: Anilines and Benzidines - (QC Lot: 48758)						
Aniline	2 µg/L	<2	5	35.3	6	121
4-Chloroaniline	2 µg/L	<2	5	93.2	40	118
2-Nitroaniline	4 µg/L	<4	5	89.2	60	113
3-Nitroaniline	4 µg/L	<4	5	69.3	55	110
Dibenzofuran	2 µg/L	<2	5	87.7	70	116
4-Nitroaniline	2 µg/L	<2	5	71.2	46	117
Carbazole	2 µg/L	<2	5	91.8	69	109
3,3'-Dichlorobenzidine	2 µg/L	<2	5	94.7	48	138

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

Analyte name	LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery LCS	Dynamic Recovery Limits	
					Low	High
EP075i: Organochlorine Pesticides						
EP075i: Organochlorine Pesticides - (QC Lot: 48039)						
alpha-BHC	2 µg/L	<2	µg/L	%	%	%
	2 µg/L	---	---	---	---	---
beta-BHC	2 µg/L	<2	5	85.0	71	114
	2 µg/L	---	---	---	---	---
gamma-BHC	2 µg/L	<2	5	82.2	67	118
	2 µg/L	---	---	---	---	---
delta-BHC	2 µg/L	<2	5	94.6	67	118
	2 µg/L	---	---	---	---	---
Heptachlor	2 µg/L	<2	5	80.0	70	105
	2 µg/L	---	---	---	---	---
Aldrin	2 µg/L	<2	5	76.6	71	101
	2 µg/L	---	---	---	---	---
Heptachlor epoxide	2 µg/L	<2	5	84.6	70	102
	2 µg/L	---	---	---	---	---
alpha-Endosulfan	2 µg/L	<2	5	78.0	68	108
	2 µg/L	---	---	---	---	---
4,4'-DDE	2 µg/L	<2	5	98.0	68	108
	2 µg/L	---	---	---	---	---
Dieldrin	2 µg/L	<2	5	83.2	65	109
	2 µg/L	---	---	---	---	---
Endrin	2 µg/L	<2	5	82.2	76	107
	2 µg/L	---	---	---	---	---
beta-Endosulfan	2 µg/L	<2	5	80.2	66	108
	2 µg/L	---	---	---	---	---
4,4'-DDD	2 µg/L	<2	5	93.2	67	113
	2 µg/L	---	---	---	---	---
Endosulfan sulfate	2 µg/L	<2	5	87.2	61	117
	2 µg/L	---	---	---	---	---
4,4'-DDT	4 µg/L	<4	5	75.1	61	117
	4 µg/L	---	---	---	---	---
EP075i: Organochlorine Pesticides - (QC Lot: 48758)						
alpha-BHC	2 µg/L	µg/L	µg/L	%	%	%
	2 µg/L	---	5	87.4	71	114
beta-BHC	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	82.7	67	118
gamma-BHC	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	87.7	67	118



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

Analyte name	LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery LCS	Dynamic Recovery Limits	High
			µg/L	%	Low	
EP0751: Organochlorine Pesticides						
EP0751: Organochlorine Pesticides - (QC Lot: 48758)						
delta-BHC	2 µg/L	µg/L	5	93.0	70	105
	2 µg/L	<2	---	---	---	---
Heptachlor	2 µg/L	---	5	86.7	71	101
	2 µg/L	<2	---	---	---	---
Aldrin	2 µg/L	---	5	91.4	70	102
	2 µg/L	<2	---	---	---	---
Heptachlor epoxide	2 µg/L	---	5	86.8	68	108
	2 µg/L	<2	---	---	---	---
alpha-Endosulfan	2 µg/L	---	5	88.2	68	108
	2 µg/L	<2	---	---	---	---
4,4'-DDE	2 µg/L	---	5	88.8	65	109
	2 µg/L	<2	---	---	---	---
Dieldrin	2 µg/L	---	5	91.1	76	107
	2 µg/L	<2	---	---	---	---
Endrin	2 µg/L	---	5	88.7	66	108
	2 µg/L	<2	---	---	---	---
beta-Endosulfan	2 µg/L	---	5	92.1	67	113
	2 µg/L	<2	---	---	---	---
4,4'-DDD	2 µg/L	---	5	90.0	61	117
	2 µg/L	<2	---	---	---	---
Endosulfan sulfate	2 µg/L	---	5	89.1	61	117
	2 µg/L	<2	---	---	---	---
4,4'-DDT	4 µg/L	---	5	78.6	54	113
	4 µg/L	<4	---	---	---	---

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

Analyte name	LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery LCS	Dynamic Recovery Limits	
					Low	High
EP075J: Organophosphorus Pesticides						
EP075J: Organophosphorus Pesticides - (QC Lot: 48039)						
Dichlorvos	2 µg/L	<2	µg/L	%	%	%
	2 µg/L	---	5	100	72	107
Dimethoate	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	76.4	63	107
Diazinon	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	83.4	62	113
Chlorpyrifos-methyl	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	84.6	72	103
Malathion	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	92.7	77	110
Fenthion	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	80.4	63	111
Chlorpyrifos	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	75.7	68	110
Pirimphos-ethyl	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	77.6	59	112
Chlorfenvinphos	2 µg/L	<2	---	---	---	---
	2 µg/L	---	6	84.5	48	125
Prothiofos	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	78.1	67	108
Ethion	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	81.2	59	113
EP075J: Organophosphorus Pesticides - (QC Lot: 48758)						
Dichlorvos	2 µg/L	---	µg/L	%	%	%
	2 µg/L	<2	5	92.6	72	107
Dimethoate	2 µg/L	---	---	---	---	---
	2 µg/L	<2	5	80.0	63	107
Diazinon	2 µg/L	---	---	---	---	---
	2 µg/L	<2	5	94.4	62	113
Chlorpyrifos-methyl	2 µg/L	---	---	---	---	---
	2 µg/L	<2	5	93.0	72	103
Malathion	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	100	77	110
Fenthion	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	90.5	63	111
Chlorpyrifos	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	90.0	68	110
	2 µg/L	<2	---	---	---	---



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

Analyte name		LOR	Method blank result	Actual Results		Recovery Limits	
				Spike concentration	Spike Recovery	Low	High
EP075J: Organophosphorus Pesticides					LCS		
EP075J: Organophosphorus Pesticides - (QC Lot: 48758)							
Pirimphos-ethyl	2 µg/L	µg/L	µg/L	µg/L	%	%	%
	2 µg/L	<2		5	88.0	59	112
Chlorfenvinphos	2 µg/L	µg/L	µg/L	µg/L	%	%	%
	2 µg/L	<2		6	76.0	48	125
Prothiofos	2 µg/L	µg/L	µg/L	µg/L	%	%	%
	2 µg/L	<2		5	90.3	67	108
Ethion	2 µg/L	µg/L	µg/L	µg/L	%	%	%
	2 µg/L	<2		5	86.3	59	113



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

Analyte name	LOR	Method blank result	Actual Results		Recovery Results	
			Spike concentration	Spike Recovery	Dynamic Recovery Limits	High
			µg/L	%	Low	
EP075K: Miscellaneous Compounds						
EP075K: Miscellaneous Compounds - (QC Lot: 48039)						
1,3,5-Trichlorobenzene	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	79.0	18	138
1,2,4,5-Tetrachlorobenzene	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	80.9	26	137
Methanesulfonate methyl	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	87.9	19	124
Methanesulfonate ethyl	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	86.3	70	109
cis-Isosafrole	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	79.5	65	113
trans-Isosafrole	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	85.5	65	115
Safrole	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	86.4	68	105
Diallyl	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	78.1	77	113
2,3,4,6-Tetrachlorophenol	2 µg/L	<2	---	---	---	---
EP075K: Miscellaneous Compounds - (QC Lot: 48758)						
1,3,5-Trichlorobenzene	2 µg/L	---	5	88.6	18	138
	2 µg/L	<2	---	---	---	---
1,2,4,5-Tetrachlorobenzene	2 µg/L	---	5	89.5	26	137
	2 µg/L	<2	---	---	---	---
Methanesulfonate methyl	2 µg/L	---	5	66.8	19	124
Methanesulfonate ethyl	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	76.1	70	109
cis-Isosafrole	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	90.0	65	113
trans-Isosafrole	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	91.6	65	115
Safrole	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	91.4	68	105
Diallyl	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	88.9	77	113
2,3,4,6-Tetrachlorophenol	2 µg/L	<2	---	---	---	---