



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	Low	High
EP075B: Polynuclear Aromatic Hydrocarbons							
EP075B: Polynuclear Aromatic Hydrocarbons - (QC Lot: 48758)							
Dibenz(a,h)anthracene	2 µg/L		µg/L	%	%	%	
Benzo(g,h,i)perylene	2 µg/L		5	82.8	55	105	
	2 µg/L						
EP075C: Phthalate Esters							
EP075C: Phthalate Esters - (QC Lot: 48758)							
Dimethyl phthalate	2 µg/L		µg/L	%	%	%	122
	2 µg/L	<2					
Diethyl phthalate	2 µg/L		5	89.4	71	117	
	2 µg/L	<2					
Di-n-butyl phthalate	2 µg/L		5	99.1	70	115	
	2 µg/L	<2					
Butyl benzyl phthalate	2 µg/L		5	92.1	64	112	
	2 µg/L	<2					
bis(2-ethylhexyl) phthalate	20 µg/L		5	98.8	71	119	
	20 µg/L	<20					
Di-n-octylphthalate	2 µg/L		5	88.4	74	110	
	2 µg/L	<2					



Client : SINCLAIR KNIGHT MERZ
Project : - Not provided -

Work Order : ES0501612
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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	Low	High
EP075D: Nitrosamines						
EP075D: Nitrosamines - (QC Lot: 48758)						
N-Nitrosomethylethylamine	2 µg/L	µg/L	5	%	%	%
	2 µg/L	<2	---	76.1	50	125
				---	---	---
N-Nitrosodiethylamine	2 µg/L	µg/L	5	80.5	65	118
	2 µg/L	<2	---	---	---	---
				---	---	---
N-Nitrosopyrrolidine	4 µg/L	µg/L	5	67.7	23	99
	4 µg/L	<4	---	---	---	---
				---	---	---
N-Nitrosomorpholine	2 µg/L	µg/L	5	62.2	31	109
	2 µg/L	<2	---	---	---	---
				---	---	---
N-Nitrosodi-n-propylamine	2 µg/L	µg/L	5	84.4	69	112
	2 µg/L	<2	---	---	---	---
				---	---	---
N-Nitrosopiperidine	2 µg/L	µg/L	5	79.1	72	105
	2 µg/L	<2	---	---	---	---
				---	---	---
N-Nitrosodibutylamine	2 µg/L	µg/L	5	91.6	67	111
	2 µg/L	<2	---	---	---	---
				---	---	---
N-Nitrosodiphenyl & Diphenylamine	4 µg/L	µg/L	10	90.0	64	124
	4 µg/L	<4	---	---	---	---
				---	---	---
Methapyrllene	2 µg/L	µg/L	5	31.2	11	148
	2 µg/L	<2	---	---	---	---
				---	---	---



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Analyte name	LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery LCS	Dynamic Recovery Limits	
					Low	High
EP075E: Nitroaromatics and Ketones						
EP075E: Nitroaromatics and Ketones - (QC Lot: 48758)						
2-Picoline	2 µg/L	---	5	52.9	16	128
Acetophenone	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	85.0	74	112
	2 µg/L	<2	---	---	---	---
Nitrobenzene	2 µg/L	---	5	85.9	79	110
	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	83.7	78	108
Isophorone	2 µg/L	---	---	---	---	---
	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	85.8	58	121
2,6-Dinitrotoluene	4 µg/L	---	5	---	---	---
	4 µg/L	<4	---	---	---	---
	4 µg/L	---	5	78.5	59	125
2,4-Dinitrotoluene	4 µg/L	<4	---	---	---	---
	4 µg/L	---	5	78.5	49	109
	2 µg/L	---	---	---	---	---
1-Naphthylamine	2 µg/L	<2	---	---	---	---
4-Nitroquinoline-N-oxide	2 µg/L	---	5	41.1	9	124
	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	75.1	56	122
5-Nitro-o-toluidine	2 µg/L	---	---	---	---	---
	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	90.1	73	110
Azobenzene	2 µg/L	---	---	---	---	---
	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	77.4	46	125
1,3,5-Trinitrobenzene	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	78.4	62	104
	2 µg/L	<2	---	---	---	---
Phenacetin	2 µg/L	---	---	---	---	---
4-Aminobiphenyl	2 µg/L	<2	5	62.5	23	123
	2 µg/L	---	---	---	---	---
	2 µg/L	<2	---	77.3	63	112
Pentachloronitrobenzene	2 µg/L	---	5	---	---	---
	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	91.2	57	114
Pronamide	2 µg/L	---	---	---	---	---
Dimethylaminoazobenzene	2 µg/L	<2	---	---	---	---
	2 µg/L	---	5	86.4	62	109
	2 µg/L	<2	---	---	---	---
Chlorobenzilate	2 µg/L	---	5	90.1	62	114
	2 µg/L	<2	---	---	---	---



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Analyte name	LOR	Method blank result	Actual Results		Spike Recovery		Recovery Limits	
			Spike concentration	LCS	Low	High		
EP075F: Haloethers								
EP075F: Haloethers - (QC Lot: 48758)								
Bis(2-chloroethyl) ether	2 µg/L	---	µg/L	%	%	%	%	
	2 µg/L	<2	5	83.5	81	111		
Bis(2-chloroethoxy) methane	2 µg/L	---	---	---	---	---		
	2 µg/L	---	5	83.1	74	111		
	2 µg/L	<2	---	---	---	---		
4-Chlorophenyl phenyl ether	2 µg/L	---	5	86.4	67	113		
	2 µg/L	<2	---	---	---	---		
4-Bromophenyl phenyl ether	2 µg/L	---	5	86.5	63	117		
	2 µg/L	<2	---	---	---	---		
EP075G: Chlorinated Hydrocarbons								
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 µg/L	---	5	79.0	48	117		
	2 µg/L	<2	---	---	---	---		
Hexachloroethane	2 µg/L	---	5	76.1	34	117		
	2 µg/L	<2	---	---	---	---		
1,2,4-Trichlorobenzene	2 µg/L	---	5	80.3	43	119		
	2 µg/L	<2	---	---	---	---		
Hexachloropropylene	2 µg/L	---	5	72.1	32	114		
	2 µg/L	<2	---	---	---	---		
Hexachlorobutadiene	2 µg/L	---	5	87.8	39	117		
	2 µg/L	<2	---	---	---	---		
Hexachlorocyclopentadiene	10 µg/L	---	5	64.3	0	119		
	10 µg/L	<10	---	---	---	---		
Pentachlorobenzene	2 µg/L	---	5	86.9	64	118		
	2 µg/L	<2	---	---	---	---		
Hexachlorobenzene (HCB)	4 µg/L	---	5	87.0	66	119		
	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	Dynamic Recovery Limits		
					LCS	Low	High
EP075H: Anilines and Benzidines							
EP075H: Anilines and Benzidines - (QC Lot: 48758)							
Aniline	2 µg/L	µg/L	µg/L	%	%	%	%
	2 µg/L	<2	5	35.3	6	121	
	2 µg/L	---	---	---	---	---	---
4-Chloroaniline	2 µg/L	---	5	93.2	40	118	
	2 µg/L	<2	---	---	---	---	---
2-Nitroaniline	4 µg/L	---	5	89.2	60	113	
	4 µg/L	<4	---	---	---	---	---
3-Nitroaniline	4 µg/L	---	5	69.3	55	110	
	4 µg/L	<4	---	---	---	---	---
Dibenzofuran	2 µg/L	---	5	87.7	70	116	
	2 µg/L	<2	---	---	---	---	---
4-Nitroaniline	2 µg/L	---	5	71.2	46	117	
	2 µg/L	<2	---	---	---	---	---
Carbazole	2 µg/L	---	5	91.8	69	109	
	2 µg/L	<2	---	---	---	---	---
3,3'-Dichlorobenzidine	2 µg/L	---	5	94.7	48	138	
	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 LCS	Dynamic Recovery Limits	
					Low	High
EP075i: Organochlorine Pesticides						
EP075i: Organochlorine Pesticides - (QC Lot: 48758)						
alpha-BHC	2 µg/L	µg/L	µg/L	%	%	%
	2 µg/L	<2	5	87.4	71	114
beta-BHC	2 µg/L	µg/L	5	82.7	67	118
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
gamma-BHC	2 µg/L	µg/L	5	87.7	67	118
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
delta-BHC	2 µg/L	µg/L	5	93.0	70	105
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
Heptachlor	2 µg/L	µg/L	5	86.7	71	101
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
Aldrin	2 µg/L	µg/L	5	91.4	70	102
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
Heptachlor epoxide	2 µg/L	µg/L	5	86.8	68	108
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
alpha-Endosulfan	2 µg/L	µg/L	5	88.2	68	108
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
4,4'-DDE	2 µg/L	µg/L	5	88.8	65	109
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
Dieldrin	2 µg/L	µg/L	5	91.1	76	107
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
Endrin	2 µg/L	µg/L	5	88.7	66	108
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
beta-Endosulfan	2 µg/L	µg/L	5	92.1	67	113
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
4,4'-DDD	2 µg/L	µg/L	5	90.0	61	117
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
Endosulfan sulfate	2 µg/L	µg/L	5	89.1	61	117
	2 µg/L	<2	µg/L	µg/L	µg/L	µg/L
4,4'-DDT	4 µg/L	µg/L	5	78.6	54	113
	4 µg/L	<4	µg/L	µg/L	µg/L	µg/L



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

Matrix Type: WATER

Analyte name		LOR	Method blank result	Actual Results		Recovery Limits	
			Spike concentration	Spike Recovery	Dynamic Recovery Limits		
				LCS	Low	High	
EP075J: Organophosphorus Pesticides							
EP075J: Organophosphorus Pesticides - (QC Lot: 48758)							
Dichlorvos	2 µg/L		µg/L	µg/L	%	%	
	2 µg/L		<2	5	92.6	72	
	2 µg/L		<2		---	---	
Dimethoate	2 µg/L		µg/L	5	80.0	63	
	2 µg/L		<2		---	---	
	2 µg/L		µg/L	5	94.4	62	
Diazinon	2 µg/L		µg/L	---	---	---	
	2 µg/L		<2		---	---	
	2 µg/L		µg/L	5	93.0	72	
Chlorpyrifos-methyl	2 µg/L		<2		---	---	
	2 µg/L		µg/L	5	100	77	
Malathion	2 µg/L		<2		---	---	
	2 µg/L		µg/L	5	90.5	63	
Fenthion	2 µg/L		<2		---	---	
	2 µg/L		µg/L	---	---	---	
Chlorpyrifos	2 µg/L		µg/L	5	90.0	68	
	2 µg/L		<2		---	---	
	2 µg/L		µg/L	5	88.0	59	
Pirimphos-ethyl	2 µg/L		<2		---	---	
	2 µg/L		µg/L	6	76.0	48	
Chlorfenvinphos	2 µg/L		<2		---	---	
	2 µg/L		µg/L	5	90.3	67	
Prothiofos	2 µg/L		<2		---	---	
	2 µg/L		µg/L	---	---	---	
Ethion	2 µg/L		<2	5	86.3	59	
	2 µg/L		µg/L	---	---	---	



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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 result	Low	High
EP075K: Miscellaneous Compounds							
EP075K: Miscellaneous Compounds - (QC Lot: 48758)							
1,3,5-Trichlorobenzene	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	88.6	18	138	
1,2,4,5-Tetrachlorobenzene	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	89.5	26	137	
Methanesulfonate methyl	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	66.8	19	124	
Methanesulfonate ethyl	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	76.1	70	109	
cis-Isosafrole	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	90.0	65	113	
trans-Isosafrole	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	91.6	65	115	
Safrole	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	91.4	68	105	
Diallyl	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	88.9	77	113	
2,3,4,6-Tetrachlorophenol	2 µg/L	µg/L	µg/L	%	%	%	
	2 µg/L	<2	5	88.9	77	113	
EP080/071: Total Petroleum Hydrocarbons							
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 48263)							
C6 - C9 Fraction	20 µg/L	µg/L	µg/L	%	%	%	
	20 µg/L	<20	260	93.8	80	120	
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 48759)							
C10 - C14 Fraction	50 µg/L	µg/L	µg/L	%	%	%	
	50 µg/L	<50	200	106	75	134	
C15 - C28 Fraction	100 µg/L	µg/L	µg/L	%	%	%	
	100 µg/L	<100	200	102	87	132	
C29 - C36 Fraction	50 µg/L	µg/L	µg/L	%	%	%	
	50 µg/L	<50	200	87.7	80	126	
EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 49206)							
C6 - C9 Fraction	20 µg/L	µg/L	µg/L	%	%	%	
	20 µg/L	<20	260	95.1	80	120	