



MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
Pasadena, California 91101
818 568 6400; Fax: 818 568 6324;
1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#37387

Foster Wheeler Environmental, Inc
(continued)

QC Batch #67062

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.29	82.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.20	105.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.71	92.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.66	91.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.59	89.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.33	83.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.56	89.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.40	85.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.73	84.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.45	86.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	Bromodichloromethane	4	3.79	94.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.82	120.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.42	85.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.32	83.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.46	86.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.81	95.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.56	89.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.97	98.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.39	84.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.06	76.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.36	84.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.18	79.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.04	102.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.60	80.0	(70.00 - 130.00)

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(continued)

MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.16	79.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	6.94	86.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.79	94.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.47	86.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.60	90.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.48	87.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #67152**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	178	101.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #67182**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.60	115.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.25	106.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.23	105.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.94	99.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.97	99.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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LCS1	Bromodichloromethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	5.12	128.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.92	98.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.85	96.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.97	99.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.42	110.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.03	100.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.36	118.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.89	97.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.52	88.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.92	98.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.66	91.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.33	116.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.85	92.5	(70.00 - 130.00)

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.64	91.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.99	99.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.11	102.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.84	96.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.87	96.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.13	103.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #67183**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.72	118.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				

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LCS1	1,1-Dichloroethylene	4	3.80	95.0	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.10	102.5	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.39	109.7	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.10	102.5	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.37	104.6	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.01	100.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.21	105.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.48	112.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.81	95.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.11	102.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.36	109.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.96	99.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			

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MBLK	Chloromethane (Methyl Chloride)	ND				
MBLK	Dibromomethane	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Dichloromethane	4	4.20	105.0	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	4	3.93	98.2	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
LCS1	Fluorotrichloromethane-Freon11	2	1.97	98.5	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	Naphthalene	ND				
LCS1	Styrene	4	4.12	103.0	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	Tetrachloroethylene (PCE)	4	3.76	94.0	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	Toluene	4	4.00	100.0	(70.00 - 130.00)	
MBLK	Toluene	ND				
LCS1	Trichloroethylene (TCE)	4	3.94	98.5	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
LCS1	Trichlorotrifluoroethane (Freon	4	3.89	97.2	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon	ND				
LCS1	Vinyl chloride (VC)	2	2.08	104.0	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				
LCS1	cis-1,2-Dichloroethylene	4	3.90	97.5	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	m,p-Xylenes	8	7.92	99.0	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
MBLK	o-Chlorotoluene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.22	105.5	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	o-Xylene	4	4.22	105.5	(70.00 - 130.00)	
MBLK	o-Xylene	ND				

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(continued)

MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.78	94.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.83	95.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #67276**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.6	101.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	3.4
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.4	103.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	113	117.5	(80.00 - 120.00)	13

QC Batch #67292**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	19.5	97.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	1.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.8	104.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20	100.0	(75.00 - 125.00)	3.9

QC Batch #67578**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.1	100.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.7	103.5	(80.00 - 120.00)	2.9
MBLK	Potassium, Flame AA	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

**MONTGOMERY WATSON LABORATORIES**

555 East Walnut Street
Pasadena, California 91101
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Laboratory
QC Report
#37387

Foster Wheeler Environmental, Inc
(continued)

MS	Potassium, Flame AA	20	21.0	105.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	0.48

QC Batch #67580**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	48.0	96.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.7	95.4	(90.00 - 110.00)	0.63
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	48.2	96.4	(85.00 - 115.00)	1.0

QC Batch #67585**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.7	98.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	2.0

QC Batch #67586**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	53.2	106.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.6	105.2	(90.00 - 110.00)	1.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	54.8	109.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	55.3	110.6	(85.00 - 115.00)	0.91

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68150**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	7.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0213	106.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0216	108.0	(85.00 - 115.00)	1.4

QC Batch #68334**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	99.8	99.8	(85.00 - 115.00)	5.1
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	102.	102.0	(70.00 - 130.00)	1.9

QC Batch #68336**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	495	99.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	492	98.4	(85.00 - 115.00)	0.61
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	537.	107.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	534.	107.0	(70.00 - 130.00)	0.56

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
#37387

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68338**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.5	102.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.4	102.0	(85.00 - 115.00)	0.49
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	103.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.0	100.0	(70.00 - 130.00)	2.5

QC Batch #68702**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.4	107.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	1.4

QC Batch #68705**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.2	96.4	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.9	95.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	0.42

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68708**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.5	102.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	0.49

QC Batch #68711**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	1.6
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.8	99.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.8	101.6	(85.00 - 115.00)	2.0

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37424 (MW-973-94, MW-973-95, MW-973-07, MW-973-08, MW-973-10, MW-973-11, MW-973-12, MW-973-12MS, MW-973-12MSD, MW-973-09)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows:

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(VOC) VOC hits detected in MW-973-94, 970924142, were unexpected by client. VOC run from 9/26/97 was reanalyzed Past HT on 11/21/97 for clarification. The original data results did not confirm the Hits. Sample MW-973-08, 971024154 results from 11/21/97 match the original results reported for MW-973-94 on 9/26/97. Original raw data and forms corrected and initialed based on this information. MW-973-94 is ND. MW-973-08 contains VOC hits. QIR: MS-97-39

Samples requiring dilution (with increased MRL's):

MW-973-08: Chloride, Nitrate, Sulfate

Method blanks with compounds detected:

(Pb-MS) The blank, associated with this set, had a trace hit at 0.8ppb. This value is less than the CRDL, but greater than the MWL DL. All samples are ND (<0.5ppb). Original data reported. No further action taken.

Other Comments:

Chloroform was detected in sample ID: MW-973-95, -08, -09
1,1 Dichloroethylene was detected in sample ID: MW-973-08
1,2-Dichloroethane was detected in sample ID: MW-973-08
Carbon Tetrachloride was detected in sample ID: MW-973-08, -09
Tetrachloroethylene was detected in sample ID: MW-973-08
Trichloroethylene was detected in sample ID: MW-973-08, -09
Chromium was detected in sample ID: MW-973-08, -09
Perchlorate was detected in sample ID: MW-973-07, -08, -09

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)
a Division of Montgomery Watson Americas, Inc.

555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400
Fax: 626 568 6324

Quality Environmental Analysis

QUALITY INVESTIGATION REPORT

Analysis Date: 9/26/97
 Extraction Date: NA
 Analyst: COL

QIR No. MS-97-039
 Analysis: 524
 Matrix: 1
 Instrument ID: GCM5D

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
970924142	MW-973-94	FOSTER			
970924154	MW-973-08	WHEELER ↓			

Brief Description: (include reason for non-compliance)

Samples were mixed. MW-973-94 is a travel blank per Mark Cutler. This sample had ~~detected~~ hits above MRL when first analyzed on 9/26/97.

Action Taken:

Upon notification from client on 11/21/97. I rerun sample 970924142 and all 'ND' samples analyzed on 9/26/97. MW-973-08 turned out to be NOT ND. Correct all I.D.'s on raw data & CLP Forms and initialed.

Impact on Data Quality:

Data Disposition: Re-run ☐ Re-sample ☐ Original Data Reported ☐ Report Annotated ☐

Other:

Annotation:

Client Contact:

Mark Lavei 12/1/97

[Signature]

Identified correct error go ahead w/ data exchange in 12/1/97

Extraction:

Analyst:

Group Leader:

QA Coordinator:

Project Manager:

Cecilia Lei
Cecilia Lei
[Signature]
[Signature]

Date:

Date:

Date:

Date:

Date:

11-26-97

11-26-97

11-26-97

12/4/97

Report Summary of positive results, PR37424

			Result	MDL	UNITS
Analyzed	970924142	MW-973-94			
Analyzed	970924145	MW-973-95			
09/26/97	Chloroform (Trichloromethane)		1.5	.500	UGL
Analyzed	970924147	MW-973-07			
10/01/97	Alkalinity		130	2.000	MGL
10/13/97	Anion Sum		3.92	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		159	.001	MGL
11/03/97	Calcium, Flame AA		50	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.164	.001	MGL
11/08/97	Cation Sum		4.520	.001	MEQL
09/25/97	Chloride		21	1.000	MGL
09/25/97	Lab pH		7.2	.001	UNIT
11/01/97	Magnesium, Flame AA		13	1.000	MGL
09/25/97	Nitrate-N by IC		1.4	.100	MGL
10/04/97	Perchlorate		7.4	4.000	UGL
11/01/97	Potassium, Flame AA		3.2	1.000	MGL
11/01/97	Sodium, Flame AA		20	1.000	MGL
09/30/97	Specific Conductance		455	4.000	UMHO
09/25/97	Sulfate		30	2.000	MGL
10/01/97	Total Dissolved Solid (TDS)		260	10.000	MGL
Analyzed	970924154	MW-973-08			
09/26/97	1,1-Dichloroethane		0.6	.500	UGL
09/26/97	1,1-Dichloroethylene		0.5	.500	UGL
09/26/97	Carbon Tetrachloride		4.0	.500	UGL
09/26/97	Chloroform (Trichloromethane)		3.5	.500	UGL
09/26/97	Tetrachloroethylene (PCE)		0.5	.500	UGL
09/26/97	Trichloroethylene (TCE)		8.0	.500	UGL
10/01/97	Alkalinity		150	2.000	MGL
10/13/97	Anion Sum		7.05	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		183	.001	MGL
11/03/97	Calcium, Flame AA		84	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.237	.001	MGL
11/08/97	Cation Sum		7.500	.001	MEQL
09/25/97	Chloride		69	2.000	MGL
10/17/97	Chromium, Total, ICAP/MS		12	10.000	UGL
10/17/97	Iron, Total, ICAP/MS		810	*****	UGL
09/25/97	Lab pH		7.3	.001	UNIT
11/01/97	Magnesium, Flame AA		25	1.000	MGL
09/25/97	Nitrate-N by IC		8.2	.200	MGL
10/04/97	Perchlorate		34	4.000	UGL
11/01/97	Potassium, Flame AA		2.7	1.000	MGL
11/01/97	Sodium, Flame AA		27	1.000	MGL
09/30/97	Specific Conductance		775	4.000	UMHO
09/25/97	Sulfate		73	4.000	MGL
10/01/97	Total Dissolved Solid (TDS)		460	10.000	MGL
Analyzed	970924160	MW-973-10			
10/01/97	Alkalinity		150	2.000	MGL

10/13/97	Anion Sum	4.26	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated	182	.001	MGL
11/03/97	Calcium, Flame AA	49	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated	1.49	.001	MGL
11/08/97	Cation Sum	4.930	.001	MEQL
09/25/97	Chloride	20	1.000	MGL
09/25/97	Lab pH	8.1	.001	UNIT
11/01/97	Magnesium, Flame AA	12	1.000	MGL
09/25/97	Nitrate-N by IC	6.9	.100	MGL
11/01/97	Potassium, Flame AA	2.1	1.000	MGL
11/01/97	Sodium, Flame AA	33	1.000	MGL
09/30/97	Specific Conductance	445	4.000	UMHO
09/25/97	Sulfate	9.9	2.000	MGL
10/01/97	Total Dissolved Solid (TDS)	260	10.000	MGL

Analyzed 970924161 MW-973-11

10/01/97	Alkalinity	150	2.000	MGL
10/13/97	Anion Sum	3.81	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated	182	.001	MGL
11/03/97	Calcium, Flame AA	37	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated	1.49	.001	MGL
11/08/97	Cation Sum	4.430	.001	MEQL
09/25/97	Chloride	14	1.000	MGL
10/17/97	Iron, Total, ICAP/MS	250	*****	UGL
09/25/97	Lab pH	8.1	.001	UNIT
11/01/97	Magnesium, Flame AA	9.5	1.000	MGL
09/25/97	Nitrate-N by IC	3.5	.100	MGL
11/01/97	Potassium, Flame AA	2.2	1.000	MGL
11/01/97	Sodium, Flame AA	40	1.000	MGL
09/30/97	Specific Conductance	385	4.000	UMHO
09/25/97	Sulfate	7.7	2.000	MGL
10/01/97	Total Dissolved Solid (TDS)	230	10.000	MGL

Analyzed 970924162 MW-973-12

10/01/97	Alkalinity	165	2.000	MGL
10/13/97	Anion Sum	3.98	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated	201	.001	MGL
11/03/97	Calcium, Flame AA	44	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated	1.64	.001	MGL
11/08/97	Cation Sum	4.570	.001	MEQL
09/25/97	Chloride	8.6	1.000	MGL
10/17/97	Iron, Total, ICAP/MS	380	*****	UGL
09/25/97	Lab pH	8.1	.001	UNIT
11/01/97	Magnesium, Flame AA	9.1	1.000	MGL
09/25/97	Nitrate-N by IC	0.9	.100	MGL
11/01/97	Potassium, Flame AA	2.2	1.000	MGL
11/01/97	Sodium, Flame AA	36	1.000	MGL
09/30/97	Specific Conductance	420	4.000	UMHO
09/25/97	Sulfate	18	2.000	MGL
10/01/97	Total Dissolved Solid (TDS)	240	10.000	MGL

Analyzed 970924165 MW-973-12MS

09/26/97	1,1-Dichloroethylene	3.89	.500	UGL
09/26/97	1,2,4-Trichlorobenzene	3.40	.500	UGL
09/26/97	Benzene	3.78	.500	UGL
09/26/97	Chlorobenzene	3.43	.500	UGL
09/26/97	Chloroform (Trichloromethane)	3.90	.500	UGL

09/26/97	Toluene	4.11	.500	UGL
09/26/97	Trichloroethylene (TCE)	3.36	.500	UGL
09/26/97	p-Chlorotoluene	3.74	.500	UGL
09/26/97	p-Dichlorobenzene (1,4-DCB)	3.60	.500	UGL

Analyzed 970924166 MW-973-12MSD

09/30/97	1,1-Dichloroethylene	3.72	.500	UGL
09/30/97	1,2,4-Trichlorobenzene	3.45	.500	UGL
09/30/97	Benzene	3.81	.500	UGL
09/30/97	Chlorobenzene	3.47	.500	UGL
09/30/97	Chloroform (Trichloromethane)	3.80	.500	UGL
09/30/97	Toluene	4.12	.500	UGL
09/30/97	Trichloroethylene (TCE)	3.42	.500	UGL
09/30/97	p-Chlorotoluene	3.83	.500	UGL
09/30/97	p-Dichlorobenzene (1,4-DCB)	3.65	.500	UGL

Analyzed 970924167 MW-973-09

09/26/97	Carbon Tetrachloride	2.8	.500	UGL
09/26/97	Chloroform (Trichloromethane)	2.5	.500	UGL
09/26/97	Trichloroethylene (TCE)	5.3	.500	UGL
10/17/97	Chromium, Total, ICAP/MS	11	10.000	UGL
10/04/97	Perchlorate	34	4.000	UGL



MONTGOMERY WATSON LABORATORIES

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REVISED
12/5/97

Laboratory Report

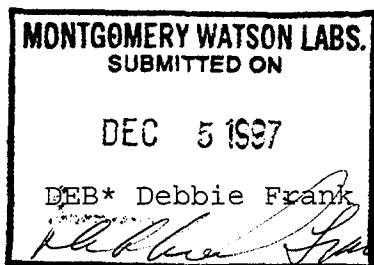
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37424
JPL

**MONTGOMERY WATSON LABORATORIES**

555 East Walnut Street
Pasadena, California 91101
818 568 6400; Fax: 818 568 6324;
1 800 566 LABS (1 800 566 5227)

Laboratory
Report
#37424

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
24-sep-1997 16:30:20

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution

MW-973-94 (970924142) Sampled on 09/24/97

Regulated VOCs plus Lists 1&3

09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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#37424**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-95 (970924145) Sampled on 09/24/97								
10/07/97	10/24/97	68150	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	10/04/97	67292	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
10/07/97	10/17/97	68334	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/25/97	66991	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
10/07/97	10/17/97	68338	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.5	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	98	% Rec		
MW-973-07 (970924147) Sampled on 09/24/97								
	10/01/97	67276	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	3.92	meq/l	0.0010	1
10/07/97	10/24/97	68150	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	50	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.520	meq/l	0.0010	1
	09/25/97	66971	(ML/EPA 300)	Chloride	21	mg/l	1.0	1
	10/04/97	67292	(MOD/EPA 300)	Perchlorate	7.4	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.164	mg/l	0.0010	1
10/07/97	10/17/97	68334	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/25/97	66991	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	455	umho/cm	4.0	1
10/07/97	10/17/97	68336	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	159	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	20	mg/l	1.0	1
	09/25/97	66976	(ML/EPA 300.0)	Nitrate-N by IC	1.4	mg/l	0.10	1
10/07/97	10/17/97	68338	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/25/97		(ML/SM 4500H)	Lab pH	7.2	Units	0.0010	1
	09/25/97	66978	(ML/EPA 300.0)	Sulfate	30	mg/l	2.0	1
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	260	mg/l	10	1

Regulated VOCs plus Lists 1&3

09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	104	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-973-08 (970924154)

Sampled on 09/24/97

	10/01/97	67276	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	7.05	meq/l	0.0010	1
10/07/97	10/24/97	68150	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	84	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	7.500	meq/l	0.0010	1
	09/25/97	66971	(ML/EPA 300)	Chloride	69	mg/l	2.0	2
	10/04/97	67292	(MOD/EPA 300)	Perchlorate	34	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.237	mg/l	0.0010	1
10/07/97	10/17/97	68334	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	12	ug/l	10	1
	09/25/97	66991	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	775	umho/cm	4.0	1
10/07/97	10/17/97	68336	(EPA/ML 200.8)	Iron, Total, ICAP/MS	810	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	25	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1

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**Laboratory
 Report
 #37424**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/25/97	66976	(ML/EPA 300.0)	Nitrate-N by IC	8.2	mg/l	0.20	2
10/07/97	10/17/97	68338	(EPA/ML 200.8)	Lead, Total, ICAF/MS	ND	ug/l	2.0	1
	09/25/97		(ML/SM 4500H)	Lab pH	7.3	Units	0.0010	1
	09/25/97	66978	(ML/EPA 300.0)	Sulfate	73	mg/l	4.0	2
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	460	mg/l	10	1

Regulated VOCs plus Lists 1&3

09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	0.6	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	0.5	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	4.0	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.5	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.5	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	8.0	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	104	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-10 (970924160) Sampled on 09/24/97								
	10/01/97	67276	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.26	meq/l	0.0010	1
10/07/97	10/24/97	68150	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	49	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.930	meq/l	0.0010	1
	09/25/97	66970	(ML/EPA 300)	Chloride	20	mg/l	1.0	1
	10/04/97	67292	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	1.49	mg/l	0.0010	1
10/07/97	10/17/97	68334	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/25/97	66991	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	445	umho/cm	4.0	1
10/07/97	10/17/97	68336	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	182	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	2.1	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	33	mg/l	1.0	1
	09/25/97	66974	(ML/EPA 300.0)	Nitrate-N by IC	6.9	mg/l	0.10	1
10/07/97	10/17/97	68338	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/25/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	09/25/97	66977	(ML/EPA 300.0)	Sulfate	9.9	mg/l	2.0	1
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	260	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	90	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		

MW-973-11 (970924161) Sampled on 09/24/97

	10/01/97	67276	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	3.81	meq/l	0.0010	1
10/07/97	10/24/97	68150	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	37	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.430	meq/l	0.0010	1
	09/25/97	67209	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	10/04/97	67292	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.49	mg/l	0.0010	1
10/07/97	10/17/97	68334	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/25/97	66991	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	385	umho/cm	4.0	1
10/07/97	10/17/97	68336	(EPA/ML 200.8)	Iron, Total, ICAP/MS	250	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	182	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	9.5	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	40	mg/l	1.0	1
	09/25/97	67211	(ML/EPA 300.0)	Nitrate-N by IC	3.5	mg/l	0.10	1

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Report
#37424**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
10/07/97	10/17/97	68338	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/25/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	09/25/97	67212	(ML/EPA 300.0)	Sulfate	7.7	mg/l	2.0	1
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	230	mg/l	10	1

Regulated VOCs plus Lists 1&3

09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate	1,2-Dichloroethane-d4	90	% Rec		
			(Surrogate	4-Bromofluorobenzene	105	% Rec		
			(Surrogate	Toluene-d8	95	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-12 (970924162) Sampled on 09/24/97								
	10/01/97	67276	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	3.98	meq/l	0.0010	1
10/07/97	10/24/97	68150	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	44	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.570	meq/l	0.0010	1
	09/25/97	66971	(ML/EPA 300)	Chloride	8.6	mg/l	1.0	1
	10/04/97	67292	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	1.64	mg/l	0.0010	1
10/07/97	10/17/97	68334	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/25/97	66991	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	420	umho/cm	4.0	1
10/07/97	10/17/97	68336	(EPA/ML 200.8)	Iron, Total, ICAP/MS	380	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	201	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	9.1	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	36	mg/l	1.0	1
	09/25/97	66976	(ML/EPA 300.0)	Nitrate-N by IC	0.9	mg/l	0.10	1
10/07/97	10/17/97	68338	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/25/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	09/25/97	66978	(ML/EPA 300.0)	Sulfate	18	mg/l	2.0	1
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1

Regulated VOCs plus Lists 1&3

09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	91	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-973-12MS (970924165)

Sampled on 09/24/97

Regulated VOCs plus Lists 1&3

09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	3.89	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.40	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1

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#37424

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.60	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	3.74	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	Benzene	3.78	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	3.43	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.90	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.36	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	4.11	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

MW-973-12MSD (970924166) Sampled on 09/24/97

Regulated VOCs plus Lists 1&3

09/30/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	3.72	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.45	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.65	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
09/30/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
09/30/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	3.83	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/30/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	09/30/97	67062	(ML/EPA 524.2)	Benzene	3.81	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Chlorobenzene	3.47	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.80	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.42	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/30/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Toluene	4.12	ug/l	0.50	1
	09/30/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

MW-973-09 (970924167) Sampled on 09/24/97

10/07/97	10/24/97	68150	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	10/04/97	67292	(MOD/EPA 300)	Perchlorate	34	ug/l	4.0	1
10/07/97	10/17/97	68334	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	11	ug/l	10	1
	09/25/97	66991	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
10/07/97	10/17/97	68338	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

Regulated VOCs plus Lists 1&3

09/26/97	67062	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
09/26/97	67062	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
09/26/97	67062	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	09/26/97	67062	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Carbon Tetrachloride	2.8	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.5	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Trichloroethylene (TCE)	5.3	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/26/97	67062	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	09/26/97	67062	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	92	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

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Comments
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Group Comments

(Balance) For some of the samples the percent difference is greater than 5%. The calculations and analyses were checked. Results support the reported values.

(Pb-MS) The digested blank had a trace hit at 8ppb lower than the contract reporting limit, but higher than the instrument sensitivity. All associated samples were ND less than 0.5ppb, hence no further action was taken.

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Foster Wheeler Environmental, Inc

QC Batch #66970**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.1	96.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.1	96.4	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	24.9	99.6	(80.00 - 120.00)	
MSD	Chloride	25	24.9	99.6	(80.00 - 120.00)	0.00

QC Batch #66971**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.2	96.8	(90.00 - 110.00)	
LCS2	Chloride	25	24.1	96.4	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	24.8	99.2	(80.00 - 120.00)	
MSD	Chloride	25	24.8	99.2	(80.00 - 120.00)	0.00

QC Batch #66974**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.38	95.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.38	95.2	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.42	96.8	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.41	96.4	(90.00 - 110.00)	0.41

QC Batch #66976**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.38	95.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.33	93.2	(90.00 - 110.00)	2.1
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.39	95.6	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.40	96.0	(90.00 - 110.00)	0.42

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #66977**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.8	95.6	(90.00 - 110.00)	
LCS2	Sulfate	50	47.7	95.4	(90.00 - 110.00)	0.21
MBLK	Sulfate	ND				
MS	Sulfate	50	48.2	96.4	(70.00 - 130.00)	
MSD	Sulfate	50	48.2	96.4	(70.00 - 130.00)	0.00

QC Batch #66978**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.9	95.8	(90.00 - 110.00)	
LCS2	Sulfate	50	47.8	95.6	(90.00 - 110.00)	0.21
MBLK	Sulfate	ND				
MS	Sulfate	50	49.9	99.8	(70.00 - 130.00)	
MSD	Sulfate	50	49.9	99.8	(70.00 - 130.00)	0.00

QC Batch #66991**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0493	98.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0485	97.0	(78.00 - 118.00)	1.6
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0468	93.6	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0501	100.2	(80.00 - 120.00)	6.8

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #67062**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.29	82.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.20	105.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.71	92.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.66	91.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.59	89.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.33	83.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.56	89.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.40	85.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.73	84.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.45	86.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	Bromodichloromethane	4	3.79	94.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.82	120.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.42	85.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.32	83.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.46	86.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.81	95.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.56	89.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.97	98.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.39	84.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.06	76.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.36	84.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.18	79.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.04	102.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.60	80.0	(70.00 - 130.00)

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Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.16	79.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	6.94	86.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.79	94.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.47	86.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.60	90.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.48	87.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #67186**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	722	103.1	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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 Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #67209**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.2	96.8	(90.00 - 110.00)	
LCS2	Chloride	25	24.1	96.4	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	24.8	99.2	(80.00 - 120.00)	
MSD	Chloride	25	24.8	99.2	(80.00 - 120.00)	0.00

QC Batch #67211**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.38	95.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.33	93.2	(90.00 - 110.00)	2.1
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.39	95.6	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.40	96.0	(90.00 - 110.00)	0.42

QC Batch #67212**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.9	95.8	(90.00 - 110.00)	
LCS2	Sulfate	50	47.8	95.6	(90.00 - 110.00)	0.21
MBLK	Sulfate	ND				
MS	Sulfate	50	49.9	99.8	(70.00 - 130.00)	
MSD	Sulfate	50	49.9	99.8	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #67276**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.6	101.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	3.4
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.4	103.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	113	117.5	(80.00 - 120.00)	13

QC Batch #67292**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	19.5	97.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	1.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.8	104.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20	100.0	(75.00 - 125.00)	3.9

QC Batch #68150**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	7.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0213	106.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0216	108.0	(85.00 - 115.00)	1.4

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68334**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	99.8	99.8	(85.00 - 115.00)	5.1
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	102.	102.0	(70.00 - 130.00)	1.9

QC Batch #68336**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	495	99.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	492	98.4	(85.00 - 115.00)	0.61
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	537.	107.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	534.	107.0	(70.00 - 130.00)	0.56

QC Batch #68338**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.5	102.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.4	102.0	(85.00 - 115.00)	0.49
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	103.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.0	100.0	(70.00 - 130.00)	2.5

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68702**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.4	107.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	1.4

QC Batch #68705**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.2	96.4	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.9	95.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	0.42

QC Batch #68708**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.5	102.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	0.49

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68711**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	1.6
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.8	99.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.8	101.6	(85.00 - 115.00)	2.0

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37487 (MW-973-96, MW-973-97, MW-973-31, MW-973-32, MW-973-33, MW-973-34, MW-973-35, MW-973-37)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(NO3) MS/MSD associated with this set does not meet recovery limits.. RPD is acceptable. LCSs are acceptable. Possible low recovery due to Matrix effect. Data reported. QIR: MET-97-53

Samples requiring dilution (with increased MRL's):

MW-973-35: Chloride, Nitrate, Sulfate
MW-973-34: Calcium, Chloride, Nitrate, Sulfate
MW-973-33: Calcium, Chloride, Nitrate, Sulfate
MW-973-32, -31: Perchlorate

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-97, -31, -32, -34
1,1 Dichloroethylene was detected in sample ID: MW-973-31, -32
1,2-Dichloroethane was detected in sample ID: MW-973-31, -32, -33, -34,
Carbon Tetrachloride was detected in sample ID: MW-973-31, -32
Tetrachloroethylene was detected in sample ID: MW-973-34
Trichloroethylene was detected in sample ID: MW-973-31, -32, -34
Chromium was detected in sample ID: MW-973-31, -32
Hex Chrome was detected in sample ID: MW-973-31, -32
Perchlorate was detected in sample ID: MW-973-31, -32

Sincerely,

Debbie Frank
Project Manager

Division of Montgomery Watson (AFR) Inc.

555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400
Fax: 626 568 6324

Quality Environmental Analysis

Report Summary of positive results, PR37487

			Result	MDL	UNITS
Analyzed	970925215	MW-973-96			
Analyzed	970925216	MW-973-97			
10/02/97	Chloroform (Trichloromethane)		1.3	.500	UGL
Analyzed	970925217	MW-973-31			
10/02/97	1,1-Dichloroethylene		0.5	.500	UGL
10/02/97	1,2-Dichloroethane		1.1	.500	UGL
10/02/97	Carbon Tetrachloride		8.2	.500	UGL
10/02/97	Chloroform (Trichloromethane)		10	.500	UGL
10/02/97	Trichloroethylene (TCE)		19	.500	UGL
10/01/97	Alkalinity		135	2.000	MGL
10/13/97	Anion Sum		5.35	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		165	.001	MGL
11/03/97	Calcium, Flame AA		69	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.214	.001	MGL
11/17/97	Cation Sum		6.09	.001	MEQL
09/26/97	Chloride		38	1.000	MGL
11/04/97	Chromium, Total, ICAP/MS		50	10.000	UGL
09/26/97	Hexavalent chromium (Cr VI)		0.045	.005	MGL
11/04/97	Iron, Total, ICAP/MS		370	*****	UGL
09/30/97	Lab pH		7.3	.001	UNIT
11/01/97	Magnesium, Flame AA		19	1.000	MGL
09/26/97	Nitrate-N by IC		2.9	.100	MGL
10/21/97	Perchlorate		210	80.000	UGL
11/01/97	Potassium, Flame AA		3.0	1.000	MGL
11/01/97	Sodium, Flame AA		23	1.000	MGL
09/30/97	Specific Conductance		565	4.000	UMHO
09/26/97	Sulfate		66	2.000	MGL
10/01/97	Total Dissolved Solid (TDS)		360	10.000	MGL
Analyzed	970925218	MW-973-32			
10/01/97	1,1-Dichloroethylene		0.5	.500	UGL
10/01/97	1,2-Dichloroethane		1.1	.500	UGL
10/01/97	Carbon Tetrachloride		8.0	.500	UGL
10/01/97	Chloroform (Trichloromethane)		11	.500	UGL
10/01/97	Trichloroethylene (TCE)		16	.500	UGL
11/04/97	Chromium, Total, ICAP/MS		55	10.000	UGL
09/26/97	Hexavalent chromium (Cr VI)		0.045	.005	MGL
10/21/97	Perchlorate		280	80.000	UGL
Analyzed	970925219	MW-973-33			
10/01/97	1,1-Dichloroethane		1.9	.500	UGL
10/01/97	Alkalinity		215	2.000	MGL
10/13/97	Anion Sum		12.8	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		262	.001	MGL
11/05/97	Calcium, Flame AA		140	5.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.170	.001	MGL
11/08/97	Cation Sum		12.700	.001	MEQL
09/26/97	Chloride		115	2.000	MGL
11/04/97	Iron, Total, ICAP/MS		1400	*****	UGL

09/30/97	Lab pH	7.0	.001	UNIT
11/01/97	Magnesium, Flame AA	44	1.000	MGL
09/26/97	Nitrate-N by IC	19	.200	MGL
11/01/97	Potassium, Flame AA	3.0	1.000	MGL
11/01/97	Sodium, Flame AA	47	1.000	MGL
09/30/97	Specific Conductance	1310	4.000	UMHO
09/26/97	Sulfate	185	4.000	MGL
10/01/97	Total Dissolved Solid (TDS)	820	10.000	MGL

Analyzed 970925220 MW-973-34

10/02/97	1,1-Dichloroethane	1.6	.500	UGL
10/02/97	Chloroform (Trichloromethane)	0.8	.500	UGL
10/02/97	Tetrachloroethylene (PCE)	1.9	.500	UGL
10/02/97	Trichloroethylene (TCE)	1.2	.500	UGL
10/01/97	Alkalinity	290	2.000	MGL
10/13/97	Anion Sum	13.9	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated	354	.001	MGL
11/03/97	Calcium, Flame AA	160	5.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated	0.290	.001	MGL
11/08/97	Cation Sum	14.100	.001	MEQL
09/26/97	Chloride	120	2.000	MGL
11/04/97	Iron, Total, ICAP/MS	1900	*****	UGL
09/30/97	Lab pH	7.1	.001	UNIT
11/01/97	Magnesium, Flame AA	54	1.000	MGL
09/26/97	Nitrate-N by IC	14	.200	MGL
11/01/97	Potassium, Flame AA	3.1	1.000	MGL
11/01/97	Sodium, Flame AA	36	1.000	MGL
09/30/97	Specific Conductance	1400	4.000	UMHO
09/26/97	Sulfate	180	4.000	MGL
10/01/97	Total Dissolved Solid (TDS)	930	10.000	MGL

Analyzed 970925221 MW-973-35

10/01/97	Alkalinity	190	2.000	MGL
10/13/97	Anion Sum	9.31	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated	231	.001	MGL
11/03/97	Calcium, Flame AA	100	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated	0.947	.001	MGL
11/08/97	Cation Sum	10.000	.001	MEQL
09/26/97	Chloride	85	2.000	MGL
09/30/97	Lab pH	7.8	.001	UNIT
11/01/97	Magnesium, Flame AA	40	1.000	MGL
09/26/97	Nitrate-N by IC	13	.200	MGL
11/01/97	Potassium, Flame AA	3.6	1.000	MGL
11/01/97	Sodium, Flame AA	38	1.000	MGL
09/30/97	Specific Conductance	950	4.000	UMHO
09/26/97	Sulfate	105	4.000	MGL
10/01/97	Total Dissolved Solid (TDS)	590	10.000	MGL

Analyzed 970925222 MW-973-37

10/01/97	Alkalinity	140	2.000	MGL
10/13/97	Anion Sum	3.18	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated	168	.001	MGL
11/13/97	Calcium, Flame AA	21	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated	5.47	.001	MGL
11/17/97	Cation Sum	3.59	.001	MEQL
09/26/97	Chloride	5.2	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	640	*****	UGL

09/30/97	Lab pH	8.7	.001	UNIT
11/01/97	Magnesium, Flame AA	11	1.000	MGL
09/26/97	Nitrate-N by IC	0.5	.100	MGL
11/01/97	Potassium, Flame AA	2.6	1.000	MGL
11/01/97	Sodium, Flame AA	36	1.000	MGL
09/30/97	Specific Conductance	365	4.000	UMHO
09/26/97	Sulfate	9.5	2.000	MGL
10/01/97	Total Dissolved Solid (TDS)	200	10.000	MGL

Craig Rice (116) 928 0594

DEB

QUALITY INVESTIGATION REPORT

Analysis Date: 9/26/97
 Extraction Date: _____
 Analyst: BY

QIR No. QIR-MET-97-53
 Analysis: NO3
 Matrix: H2O
 Instrument ID: 20

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
970925017	BNSERCH	FOSTER WAZZLER	970926001	CLARKCO-JTH	CLARK CO.
970925022	↓	↓	970926016	MAUI	(E. OF MAUI)
970925019-31	↓	↓			
970925019-88	CLARKCO-JTH	CLARK CO.			

Brief Description: (include reason for non-compliance)

MS/MSD out of control limit. (80% & 80%).

Control limit is 90-110%. This non-compliance is probably due to matrix interference.

Sample 970925222 was spiked for MS/MSD; sample had a hit at 0.45 ppm.

Action Taken: Spike level was at 2.5 ppm.

Impact on Data Quality:

No impact expected. RPD for MS/MSD = 0%.

LCs from same stock are acceptable > 90% recovery

Data Disposition: Re-run ☐ Re-sample ☐ Original Data Reported ☐ Report Annotated ☒

Other:

Annotation: Matrix Interference.

Client Contact:

Extraction: _____
 Analyst: [Signature]
 Group Leader: _____
 QA Coordinator: [Signature]
 Project Manager: [Signature]

Date: _____
 Date: 10/2/97
 Date: 10/3/97
 Date: 10/7/97
 Date: 10/7/97



MONTGOMERY WATSON LABORATORIES

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Pasadena, California 91101
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Laboratory Report

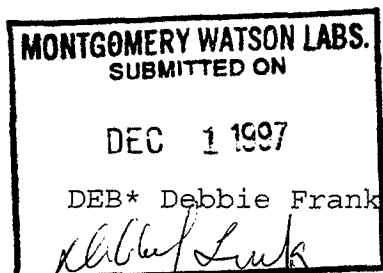
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37487
JPL

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Laboratory
Report
#37487

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
25-sep-1997 17:32:13

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution

MW-973-96 (970925215) Sampled on 09/25/97

Regulated VOCs plus Lists 1&3

10/01/97	67513	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/01/97	67513	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/01/97	67513	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#37487

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/01/97	67513	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Laboratory
Report
#37487

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-97 (970925216) Sampled on 09/25/97								
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/26/97	66992	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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**Laboratory
Report
#37487**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	96	% Rec		
MW-973-31 (970925217) Sampled on 09/25/97								
	10/01/97	67276	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	5.35	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	69	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	6.09	meq/l	0.0010	1
	09/26/97	67213	(ML/EPA 300)	Chloride	38	mg/l	1.0	1
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	210	ug/l	80	20
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.214	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	50	ug/l	10	1
	09/26/97	66992	(ML/SW 7196)	Hexavalent chromium (Cr VI)	0.045	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	565	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	370	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	165	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.0	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	09/26/97	67214	(ML/EPA 300.0)	Nitrate-N by IC	2.9	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H)	Lab pH	7.3	Units	0.0010	1
	09/26/97	67215	(ML/EPA 300.0)	Sulfate	66	mg/l	2.0	1
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	360	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	0.5	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	1.1	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	8.2	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	10	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	19	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-973-32 (970925218) Sampled on 09/25/97

11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	280	ug/l	80	20
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	55	ug/l	10	1
	09/26/97	66992	(ML/SW 7196)	Hexavalent chromium (Cr VI)	0.045	mg/l	0.005	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

Regulated VOCs plus Lists 1&3

10/01/97	67513	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethylene	0.5	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloroethane	1.1	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/01/97	67513	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/01/97	67513	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Carbon Tetrachloride	8.0	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloroform (Trichloromethane)	11	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/01/97	67513	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichloroethylene (TCE)	16	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	85	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-973-33 (970925219) Sampled on 09/25/97

	10/01/97	67276	(ML/S2320B)	Alkalinity	215	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	12.8	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	140	mg/l	5.0	5
	11/08/97		(ML/SM1040)	Cation Sum	12.700	meq/l	0.0010	1
	09/26/97	67213	(ML/EPA 300)	Chloride	115	mg/l	2.0	2
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.170	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/26/97	66992	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	1310	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1400	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	262	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	3.0	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	44	mg/l	1.0	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	47	mg/l	1.0	1
	09/26/97	67214	(ML/EPA 300.0)	Nitrate-N by IC	19	mg/l	0.20	2
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H)	Lab pH	7.0	Units	0.0010	1
	09/26/97	67215	(ML/EPA 300.0)	Sulfate	185	mg/l	4.0	2
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	820	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/01/97	67513	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethane	1.9	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/01/97	67513	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/01/97	67513	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/01/97	67513	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-34 (970925220) Sampled on 09/25/97								
	10/01/97	67276	(ML/S2320B)	Alkalinity	290	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	13.9	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	160	mg/l	5.0	5
	11/08/97		(ML/SM1040)	Cation Sum	14.100	meq/l	0.0010	1
	09/26/97	67213	(ML/EPA 300)	Chloride	120	mg/l	2.0	2
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.290	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/26/97	66992	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	1400	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1900	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	354	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	54	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	36	mg/l	1.0	1
	09/26/97	67214	(ML/EPA 300.0)	Nitrate-N by IC	14	mg/l	0.20	2
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H)	Lab pH	7.1	Units	0.0010	1
	09/26/97	67215	(ML/EPA 300.0)	Sulfate	180	mg/l	4.0	2
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	930	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	1.6	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.8	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.9	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.2	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-973-35 (970925221) Sampled on 09/25/97

	10/01/97	67276	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	9.31	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	100	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	10.000	meq/l	0.0010	1
	09/26/97	67213	(ML/EPA 300)	Chloride	85	mg/l	2.0	2
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.947	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/26/97	66992	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	950	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	231	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.6	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	40	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	38	mg/l	1.0	1
	09/26/97	67214	(ML/EPA 300.0)	Nitrate-N by IC	13	mg/l	0.20	2

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Laboratory
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 #37487

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H)	Lab pH	7.8	Units	0.0010	1
	09/26/97	67215	(ML/EPA 300.0)	Sulfate	105	mg/l	4.0	2
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	590	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	109	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-37 (970925222) Sampled on 09/25/97								
	10/01/97	67276	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	3.18	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/97	68711	(ML/S3111B)	Calcium, Flame AA	21	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	3.59	meq/l	0.0010	1
	09/26/97	67213	(ML/EPA 300)	Chloride	5.2	mg/l	1.0	1
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	5.47	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/26/97	66992	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	365	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	640	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	168	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	36	mg/l	1.0	1
	09/26/97	67214	(ML/EPA 300.0)	Nitrate-N by IC	0.5	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H)	Lab pH	8.7	Units	0.0010	1
	09/26/97	67215	(ML/EPA 300.0)	Sulfate	9.5	mg/l	2.0	1
	10/01/97	67186	(ML/S2540C)	Total Dissolved Solid (TDS)	200	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/01/97	67513	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/01/97	67513	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/01/97	67513	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/01/97	67513	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/01/97	67513	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		



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Group Comments

(Balance) For some of the samples the percent difference is greater than 5%. The calculations and analyses were checked. Results support the reported values.

(970925217)

NO3

MS/MSD out of control limit, QIR-MET-97-53.

(970925219)

NO3

MS/MSD out of control limit, QIR-MET-97-53.

(970925220)

NO3

MS/MSD out of control limit, QIR-MET-97-53.

(970925221)

NO3

MS/MSD out of control limit, QIR-MET-97-53.

(970925222)

NO3

MS/MSD out of control limit, QIR-MET-97-53.

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QC Batch #66992**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0501	100.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0492	98.4	(78.00 - 118.00)	1.8
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0467	93.4	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0459	91.8	(80.00 - 120.00)	1.7

QC Batch #67186**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	722	103.1	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #67213**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.0	96.0	(90.00 - 110.00)	
LCS2	Chloride	25	24.0	96.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	27.4	109.6	(80.00 - 120.00)	
MSD	Chloride	25	27.4	109.6	(80.00 - 120.00)	0.00

QC Batch #67214**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.34	93.6	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.31	92.4	(90.00 - 110.00)	1.3
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.05	<u>82.0</u>	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.05	<u>82.0</u>	(90.00 - 110.00)	0.00

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Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #67215**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.1	94.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.4	94.8	(90.00 - 110.00)	0.63
MBLK	Sulfate	ND				
MS	Sulfate	50	54.0	108.0	(70.00 - 130.00)	
MSD	Sulfate	50	53.9	107.8	(70.00 - 130.00)	0.19

QC Batch #67276**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.6	101.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	3.4
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.4	103.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	113	117.5	(80.00 - 120.00)	13

QC Batch #67365**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.61	115.3	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.66	116.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.70	117.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				

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MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.22	105.5	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.75	118.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.47	111.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.51	106.4	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.73	118.3	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.56	114.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.77	94.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.61	115.3	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.35	108.7	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.72	118.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			

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LCS1	Dichloromethane	4	4.63	115.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.72	118.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.48	124.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.49	112.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.23	105.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.48	112.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.36	109.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.72	118.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.46	123.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.26	106.5	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.37	117.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.31	107.7	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.50	112.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.31	107.7	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			

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MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.33	108.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #67513**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.73	93.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.71	92.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.97	99.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.83	95.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.75	93.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.59	89.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.01	100.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.91	98.9	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				

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MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.90	97.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.85	96.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.65	91.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.82	95.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.83	95.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.95	98.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.02	100.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.91	95.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.85	96.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.89	97.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.89	97.2	(70.00 - 130.00)

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MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.84	96.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.88	97.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.08	104.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.79	94.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.47	93.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.74	93.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.91	97.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.41	85.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.90	97.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68220**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.6	103.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.8	104.0	(90.00 - 110.00)	0.97
MBLK	Perchlorate	ND				

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MS	Perchlorate	20.0	18.8	94.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.6	103.0	(75.00 - 125.00)	9.1

QC Batch #68702**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.4	107.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	1.4

QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

QC Batch #68705**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.2	96.4	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.9	95.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	0.42

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

QC Batch #68708**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.5	102.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	0.49

QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.2	96.0	(85.00 - 115.00)	2.1

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QC Batch #68711**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	1.6
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.8	99.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.8	101.6	(85.00 - 115.00)	2.0

QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

QC Batch #68780**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	0.99
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	111	111.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	112	112.0	(70.00 - 130.00)	0.90

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68781**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	550	110.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	535	107.0	(85.00 - 115.00)	2.8
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	466	93.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	481	96.2	(70.00 - 130.00)	3.2

QC Batch #68782**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	0.51
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21	105.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.3	106.5	(70.00 - 130.00)	1.4

QC Batch #69012**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0171	85.5	(85.00 - 115.00)	24
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0187	93.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	6.2

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37559 (MW-973-98, MW-973-99, MW-973-36, MW-973-63, MW-973-61, MW-973-61MS, MW-973-61MSD)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(NO3) MS/MSD associated with this set was performed on another clients sample QIR: MET-97-52

(VOC) MW-973-61MSD: Sample was analyzed 9 minutes outside of 12 hr tune criteria. Rerun 2x with low IS recoveries. Spikes, IS, and Surrogates all recover within MWL acceptance limits on original run. Original Run reported. QIR: MS-97-34

Samples requiring dilution (with increased MRL's):

MW-973-63: Chloride, Nitrate, Sulfate

MW-973-61: Calcium, Chloride, Nitrate, Sulfate

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-99

Tetrachloroethylene was detected in sample ID: MW-973-63

Trichloroethylene was detected in sample ID: MW-973-63

Perchlorate was detected in sample ID: MW-973-63

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400
Fax: 626 568 6324

Quality Environmental Analysis

Report Summary of positive results, PR37559

			Result	MDL	UNITS
Analyzed	970929461	MW-973-98			
Analyzed	970929462	MW-973-99			
10/02/97	Chloroform (Trichloromethane)		1.3	.500	UGL
Analyzed	970929463	MW-973-36			
10/01/97	Alkalinity		150	2.000	MGL
10/13/97	Anion Sum		5.01	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		183	.001	MGL
11/13/97	Calcium, Flame AA		62	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.945	.001	MGL
11/17/97	Cation Sum		5.78	.001	MEQL
09/30/97	Chloride		31	1.000	MGL
11/04/97	Iron, Total, ICAP/MS		135	*****	UGL
09/30/97	Lab pH		7.9	.001	UNIT
11/01/97	Magnesium, Flame AA		17	1.000	MGL
09/30/97	Nitrate-N by IC		10	.100	MGL
11/01/97	Potassium, Flame AA		2.3	1.000	MGL
11/01/97	Sodium, Flame AA		28	1.000	MGL
09/30/97	Specific Conductance		550	4.000	UMHO
09/30/97	Sulfate		20	2.000	MGL
10/02/97	Total Dissolved Solid (TDS)		350	10.000	MGL
Analyzed	970929464	MW-973-63			
10/02/97	Tetrachloroethylene (PCE)		4.4	.500	UGL
10/02/97	Trichloroethylene (TCE)		0.6	.500	UGL
10/01/97	Alkalinity		200	2.000	MGL
10/13/97	Anion Sum		7.31	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		244	.001	MGL
11/13/97	Calcium, Flame AA		96	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.398	.001	MGL
11/17/97	Cation Sum		8.19	.001	MEQL
09/30/97	Chloride		55	2.000	MGL
11/04/97	Iron, Total, ICAP/MS		230	*****	UGL
09/30/97	Lab pH		7.4	.001	UNIT
11/01/97	Magnesium, Flame AA		25	1.000	MGL
09/30/97	Nitrate-N by IC		8.6	.200	MGL
10/21/97	Perchlorate		7.7	4.000	UGL
11/01/97	Potassium, Flame AA		2.8	1.000	MGL
11/01/97	Sodium, Flame AA		29	1.000	MGL
09/30/97	Specific Conductance		755	4.000	UMHO
09/30/97	Sulfate		55	4.000	MGL
10/02/97	Total Dissolved Solid (TDS)		490	10.000	MGL
Analyzed	970929465	MW-973-61			
10/01/97	Alkalinity		280	2.000	MGL
10/13/97	Anion Sum		12.4	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		341	.001	MGL
11/03/97	Calcium, Flame AA		125	5.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.557	.001	MGL
11/08/97	Cation Sum		12.100	.001	MEQL

09/30/97	Chloride	120	2.000	MGL
11/04/97	Iron, Total, ICAP/MS	100	*****	UGL
09/30/97	Lab pH	7.4	.001	UNIT
11/01/97	Magnesium, Flame AA	42	1.000	MGL
09/30/97	Nitrate-N by IC	7.2	.200	MGL
11/01/97	Potassium, Flame AA	3.5	1.000	MGL
11/01/97	Sodium, Flame AA	52	1.000	MGL
09/30/97	Specific Conductance	1260	4.000	UMHO
09/30/97	Sulfate	140	4.000	MGL
10/02/97	Total Dissolved Solid (TDS)	820	10.000	MGL

Analyzed 970929466 MW-973-61 MS

10/02/97	1,1-Dichloroethylene	3.83	.500	UGL
10/02/97	1,2,4-Trichlorobenzene	3.53	.500	UGL
10/02/97	Benzene	3.99	.500	UGL
10/02/97	Chlorobenzene	3.54	.500	UGL
10/02/97	Chloroform (Trichloromethane)	4.29	.500	UGL
10/02/97	Toluene	3.81	.500	UGL
10/02/97	Trichloroethylene (TCE)	3.82	.500	UGL
10/02/97	p-Chlorotoluene	3.97	.500	UGL
10/02/97	p-Dichlorobenzene (1,4-DCB)	3.74	.500	UGL

Analyzed 970929467 MW-973-61 MSD

10/02/97	1,1-Dichloroethylene	3.86	.500	UGL
10/02/97	1,2,4-Trichlorobenzene	3.91	.500	UGL
10/02/97	Benzene	4.10	.500	UGL
10/02/97	Chlorobenzene	3.73	.500	UGL
10/02/97	Chloroform (Trichloromethane)	4.38	.500	UGL
10/02/97	Toluene	3.93	.500	UGL
10/02/97	Trichloroethylene (TCE)	3.91	.500	UGL
10/02/97	p-Chlorotoluene	4.13	.500	UGL
10/02/97	p-Dichlorobenzene (1,4-DCB)	3.97	.500	UGL

Craig Riel (916) 928-0594 ^{T=3}

QUALITY INVESTIGATION REPORT

QIR No. QIR-MET-97-52

Analysis Date: 9/30/97

Analysis: NO₂

Extraction Date: _____

Matrix: H₂O

Analyst: BYV

Instrument ID: IC

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
970929463-65	ENSEARCH	FOSTER WHEELER			

Brief Description: (include reason for non-compliance)

Ensearch samples' ^{over range} 115/1150 out of range, 50 samples
~~have been~~ are linked to non-Ensearch samples' 115/1150
linked to sample 970930070

Action Taken:

Impact on Data Quality:

No impact.

Data Disposition: Re-run ☐ Re-sample ☐ Original Data Reported ☐ Report Annotated ☒

Other:

Annotation: Another Client's sample used for MS/MSD

Client Contact:

Extraction: _____
Analyst: [Signature]
Group Leader: [Signature]
QA Coordinator: Me da Cap
Project Manager: _____

Date: 10/2/97
Date: 10/3/97
Date: 10/7/97
Date: _____

ATTN: Craig Rice

FALSED 18-0594
C916 21-5124

1072

QUALITY INVESTIGATION REPORT

QIR No. MS-97-034
Analysis: S24
Matrix: 1
Instrument ID: GCMSDAnalysis Date: 10/2/97
Extraction Date: —
Analyst: COL

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
970929467- 01	MW-913- 61 MSD	Foster Wheeler			

Brief Description: (include reason for non-compliance)

Sample analyzed (acquired) 9 minutes past of turn (12 hr clock)
injection time.Action Taken: Sample was rerun 2X on 10/3/97 (the next day)
but internal standard areas were low for this sample
on 10/3/97.Impact on Data Quality: NONE. Spike recoveries, IS areas and
surrogate recoveries all pass in this sample
on 10/2/97. (past 12 hr turn).Data Disposition: Re-run ☐ Re-sample ☐ Original Data Reported ☒ Report Annotated ☒

Other:

Annotation:

Client Contact: Annotate as above - CWR: Foster Wheeler 10/7/97

Extraction: Cecilia Sei
Analyst: Cecilia Sei
Group Leader: Nelson
QA Coordinator: Relief
Project Manager: FrankDate: 10/6/97
Date: 10/6/97
Date: 10/6/97
Date: 10/7/97



MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
Pasadena, California 91101
818 568 6400; Fax: 818 568 6324;
1 800 566 LABS (1 800 566 5227)

Laboratory Report

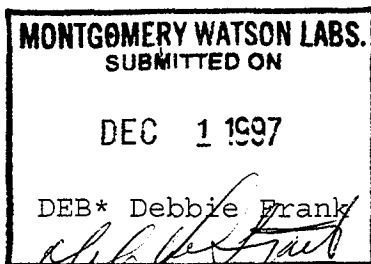
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37559
JPL

**MONTGOMERY WATSON LABORATORIES**

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Pasadena, California 91101
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Laboratory
Report
#37559

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
29-sep-1997 16:08:14

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution

MW-973-98 (970929461) Sampled on 09/29/97

Regulated VOCs plus Lists 1&3

10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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 Pasadena, California 91101
 818 568 6400; Fax: 818 568 6324;
 1 800 566 LABS (1 800 566 5227)

**Laboratory
 Report
 #37559**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

**MONTGOMERY WATSON LABORATORIES**

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Pasadena, California 91101
818 568 6400; Fax: 818 568 6324;
1 800 566 LABS (1 800 566 5227)

Laboratory
Report
#37559

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-99 (970929462) Sampled on 09/29/97								
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/30/97	67170	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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 #37559

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	96	% Rec		
MW-973-36 (970929463) Sampled on 09/29/97								
	10/01/97	67276	(ML/S2320B	) Alkalinity	150	mg/l	2.0	1
	10/13/97		(ML/SM1040	) Anion Sum	5.01	meq/l	0.0010	1
11/08/97	11/08/97	69012	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/97	68711	(ML/S3111B	) Calcium, Flame AA	62	mg/l	1.0	1
	11/17/97		(ML/SM1040	) Cation Sum	5.78	meq/l	0.0010	1
	09/30/97	67216	(ML/EPA 300	) Chloride	31	mg/l	1.0	1
	10/21/97	68220	(MOD/EPA 300	) Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B	) Carbonate as CO3, Calculated	0.945	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/30/97	67170	(ML/SW 7196	) Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B	) Specific Conductance	550	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8	) Iron, Total, ICAP/MS	135	ug/l	100	1
	10/09/97		(ML/S2320B	) Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B	) Potassium, Flame AA	2.3	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B	) Magnesium, Flame AA	17	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B	) Sodium, Flame AA	28	mg/l	1.0	1
	09/30/97	67218	(ML/EPA 300.0	) Nitrate-N by IC	10	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H	) Lab pH	7.9	Units	0.0010	1
	09/30/97	67219	(ML/EPA 300.0	) Sulfate	20	mg/l	2.0	1
	10/02/97	67387	(ML/S2540C	) Total Dissolved Solid (TDS)	350	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-973-63 (970929464) Sampled on 09/29/97

	10/01/97	67277	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	7.31	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/97	68711	(ML/S3111B)	Calcium, Flame AA	96	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	8.19	meq/l	0.0010	1
	09/30/97	67216	(ML/EPA 300)	Chloride	55	mg/l	2.0	2
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	7.7	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.398	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/30/97	67170	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	755	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	230	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	25	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	29	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/30/97	67218	(ML/EPA 300.0)	Nitrate-N by IC	8.6	mg/l	0.20	2
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H)	Lab pH	7.4	Units	0.0010	1
	09/30/97	67219	(ML/EPA 300.0)	Sulfate	55	mg/l	4.0	2
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	490	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	4.4	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.6	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate	4-Bromofluorobenzene	109	% Rec		
			(Surrogate	Toluene-d8	98	% Rec		

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Laboratory
Report
#37559

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-61 (970929465) Sampled on 09/29/97								
	10/01/97	67277	(ML/S2320B)	Alkalinity	280	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	12.4	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	125	mg/l	5.0	5
	11/08/97		(ML/SM1040)	Cation Sum	12.100	meq/l	0.0010	1
	09/30/97	67216	(ML/EPA 300)	Chloride	120	mg/l	2.0	2
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.557	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	09/30/97	67170	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	09/30/97		(ML/S2510B)	Specific Conductance	1260	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	100	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	341	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.5	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	42	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	52	mg/l	1.0	1
	09/30/97	67218	(ML/EPA 300.0)	Nitrate-N by IC	7.2	mg/l	0.20	2
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	09/30/97		(ML/SM 4500H)	Lab pH	7.4	Units	0.0010	1
	09/30/97	67219	(ML/EPA 300.0)	Sulfate	140	mg/l	4.0	2
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	820	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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#37559

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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#37559

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-973-61 MS (970929466)

Sampled on 09/29/97

Regulated VOCs plus Lists 1&3

10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	3.83	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.53	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.74	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	3.97	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	3.99	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	3.54	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.29	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1

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Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.82	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	3.81	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-973-61 MSD (970929467)

Sampled on 09/29/97

Regulated VOCs plus Lists 1&3

10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	3.86	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.91	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.97	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	4.13	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	4.10	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	3.73	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.38	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.91	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	3.93	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		



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Group Comments

(Balance) For some samples the percent difference is greater than 5%. The calculations and analyses were checked. Results support the reported values.

(970929463)

NO3

Link to non-Enserch MS/MSD. QIR-MET-97-52.

(970929464)

NO3

Link to non-Enserch MS/MSD. QIR-MET-97-52.

(970929465)

NO3

Link to non-Enserch MS/MSD. QIR-MET-97-52.

(970929467)

@EBASVOA

Sample analyzed 9 minutes past 12 hour clock. Sample rerun 2x the next day but internal standard areas were low. Reference QIR-MS-97-034.

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QC Batch #67170**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0522	104.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0513	102.6	(78.00 - 118.00)	1.7
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0495	99.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0513	102.6	(80.00 - 120.00)	3.6

QC Batch #67216**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.0	96.0	(90.00 - 110.00)	
LCS2	Chloride	25	24.0	96.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	24.3	97.2	(80.00 - 120.00)	
MSD	Chloride	25	24.3	97.2	(80.00 - 120.00)	0.00

QC Batch #67218**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.34	93.6	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.34	93.6	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.43	97.2	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.44	97.6	(90.00 - 110.00)	0.41

QC Batch #67219**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.1	94.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.1	94.2	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	49.5	99.0	(70.00 - 130.00)	
MSD	Sulfate	50	49.5	99.0	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #67276**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.6	101.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	3.4
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.4	103.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	113	117.5	(80.00 - 120.00)	13

QC Batch #67277**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.4	103.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	113	117.5	(80.00 - 120.00)	13

QC Batch #67365**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.61	115.3	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.66	116.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.70	117.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				

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MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.22	105.5	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.75	118.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.47	111.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.51	106.4	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.73	118.3	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.56	114.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.77	94.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.61	115.3	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.35	108.7	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.72	118.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			

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LCS1	Dichloromethane	4	4.63	115.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.72	118.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.48	124.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.49	112.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.23	105.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.48	112.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.36	109.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.72	118.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.46	123.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.26	106.5	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.37	117.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.31	107.7	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.50	112.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.31	107.7	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			

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MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	trans-1,2-Dichloroethylene	4	4.33	108.2	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #67387**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	654	93.4	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #68220**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.6	103.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.8	104.0	(90.00 - 110.00)	0.97
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.8	94.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.6	103.0	(75.00 - 125.00)	9.1

QC Batch #68702**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.4	107.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	1.4

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QC Batch #68705**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.2	96.4	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.9	95.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	0.42

QC Batch #68708**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.5	102.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	0.49

QC Batch #68711**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	1.6
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.8	99.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.8	101.6	(85.00 - 115.00)	2.0

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#37559

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68780**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	0.99
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	111	111.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	112	112.0	(70.00 - 130.00)	0.90

QC Batch #68781**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	550	110.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	535	107.0	(85.00 - 115.00)	2.8
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	466	93.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	481	96.2	(70.00 - 130.00)	3.2

QC Batch #68782**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	0.51
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21	105.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.3	106.5	(70.00 - 130.00)	1.4

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Laboratory
QC Report
#37559

Foster Wheeler Environmental, Inc
(continued)

QC Batch #69012**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0171	85.5	(85.00 - 115.00)	24
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0187	93.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	6.2

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37589 (MW-973-100, MW-973-101, MW-973-64)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(NO3) MS/MSD associated with this set does not meet recovery limits.. RPD is acceptable. LCSs are acceptable. Possible low recovery due to Matrix effect. Data reported. QIR: MET-97-54

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-101

Tetrachloroethylene was detected in sample ID: MW-973-64

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400
Fax: 626 568 6324

Quality Environmental Analysis

Report Summary of positive results, PR37589

			Result	MDL	UNITS
Analyzed	970930096	MW-973-100			
Analyzed	970930097	MW-973-101			
10/02/97	Chloroform (Trichloromethane)		1.3	.500	UGL
Analyzed	970930098	MW-973-64			
10/02/97	Tetrachloroethylene (PCE)		2.9	.500	UGL
10/01/97	Alkalinity		205	2.000	MGL
10/13/97	Anion Sum		8.04	.001	MEQL
10/09/97	Bicarbonate as HCO ₃ ,calculated		250	.001	MGL
11/03/97	Calcium, Flame AA		99	1.000	MGL
10/09/97	Carbonate as CO ₃ , Calculated		0.647	.001	MGL
11/08/97	Cation Sum		8.640	.001	MEQL
10/02/97	Chloride		61	1.000	MGL
11/04/97	Iron, Total, ICAP/MS		1140	*****	UGL
10/07/97	Lab pH		7.6	.001	UNIT
11/01/97	Magnesium, Flame AA		27	1.000	MGL
10/02/97	Nitrate-N by IC		9.8	.100	MGL
11/01/97	Potassium, Flame AA		3.1	1.000	MGL
11/01/97	Sodium, Flame AA		32	1.000	MGL
10/06/97	Specific Conductance		845	4.000	UMHO
10/02/97	Sulfate		73	2.000	MGL
10/02/97	Total Dissolved Solid (TDS)		520	10.000	MGL

QUALITY INVESTIGATION REPORT

QIR No. QIR-1127-77-54
 Analysis: NO
 Matrix: H₂O
 Instrument ID: IC

Analysis Date: 10/8/97
 Extraction Date: _____
 Analyst: FTL

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
971001174-75	HAWAIIAN-NAT	HAWAIIAN NATURAL H ₂ O	971001179-13	Ensorck	Foster Wheeler
971001101	McKesson-TJ	McKesson H ₂ O			
97093.149-51	BHP	BHP WORLD Minerals			
97093.288	Ensorck	Foster Wheeler			

Brief Description: (include reason for non-compliance)

175/1750 out of control limit (89% + 89%). Control limits are 90 - 110%. This non-compliance is probably due to matrix interference.

Action Taken:

A new Calibration was set and the last 175/1750's came out.

Impact on Data Quality:

No impact expected. RPD for 175/1750 = 0%
 175/1750 same as LCS / LCS recoveries within the internal QC limits

Data Disposition: Re-run ☐ Re-sample ☐ Original Data Reported ☐ Report Annotated ☐

Other: _____

Annotation:

Client Contact:

me/n Hawaiian Nat + McKesson - report to me to 11/10/97

Extraction:

Analyst: _____

Group Leader: _____

QA Coordinator: _____

Project Manager: _____

Date: _____

Date: 10/3/97

Date: 10/8/97

Date: 10/8/97

Date: 10/10/97



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Laboratory Report

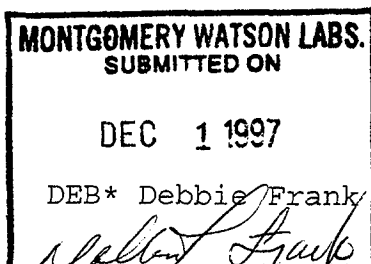
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37589
JPL

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Laboratory
Report
#37589

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
30-sep-1997 15:47:20

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution

MW-973-100 (970930096) Sampled on 09/30/97

Regulated VOCs plus Lists 1&3

10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#37589

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

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Laboratory
Report
#37589

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-101 (970930097)				Sampled on 09/30/97				
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67168	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Laboratory
Report
#37589

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	98	% Rec		
MW-973-64 (970930098) Sampled on 09/30/97								
	10/01/97	67277	(ML/S2320B)	Alkalinity	205	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	8.04	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	99	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	8.640	meq/l	0.0010	1
	10/02/97	67261	(ML/EPA 300)	Chloride	61	mg/l	1.0	1
	10/21/97	68220	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/09/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.647	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67168	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	845	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1140	ug/l	100	1
	10/09/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	250	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	27	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	32	mg/l	1.0	1
	10/02/97	67263	(ML/EPA 300.0)	Nitrate-N by IC	9.8	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	10/02/97	67264	(ML/EPA 300.0)	Sulfate	73	mg/l	2.0	1
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	520	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/02/97	67365	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/02/97	67365	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67365	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.9	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/02/97	67365	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	91	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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(970930098)

NO3

MS/MSD out of control limit, QIR-MET-97-54.

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QC Batch #67168**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0472	94.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0463	92.6	(78.00 - 118.00)	1.9
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0463	92.6	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0480	96.0	(80.00 - 120.00)	3.6

QC Batch #67261**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.0	96.0	(90.00 - 110.00)	
LCS2	Chloride	25	24.0	96.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	24.2	96.8	(80.00 - 120.00)	
MSD	Chloride	25	24.3	97.2	(80.00 - 120.00)	0.41

QC Batch #67263**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.35	94.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.34	93.6	(90.00 - 110.00)	0.43
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.23	<u>89.2</u>	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.23	<u>89.2</u>	(90.00 - 110.00)	0.00

QC Batch #67264**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.3	94.6	(90.00 - 110.00)	
LCS2	Sulfate	50	47.3	94.6	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	48.8	97.6	(70.00 - 130.00)	
MSD	Sulfate	50	48.7	97.4	(70.00 - 130.00)	0.21

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUF are not applicable for ICR monitoring.

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QC Batch #67277**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.4	103.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	113	117.5	(80.00 - 120.00)	13

QC Batch #67365**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.61	115.3	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.66	116.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.70	117.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.22	105.5	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.75	118.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.47	111.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
 Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	1,3-Dichloropropane	8	8.51	106.4	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.73	118.3	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.56	114.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.77	94.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.61	115.3	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.35	108.7	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.72	118.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.63	115.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.72	118.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Preon11	2	2.48	124.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Preon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.49	112.2	(70.00 - 130.00)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.23	105.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.48	112.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.36	109.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.72	118.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.46	123.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.26	106.5	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.37	117.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.31	107.7	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.50	112.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.31	107.7	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.33	108.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #67387**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	654	93.4	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #68220**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.6	103.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.8	104.0	(90.00 - 110.00)	0.97
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.8	94.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.6	103.0	(75.00 - 125.00)	9.1

QC Batch #68702**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.4	107.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	1.4

QC Batch #68705**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.2	96.4	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.9	95.8	(85.00 - 115.00)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

**MONTGOMERY WATSON LABORATORIES**

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Pasadena, California 91101
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Laboratory
QC Report
#37589

Foster Wheeler Environmental, Inc
(continued)

MSD	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	0.42

QC Batch #68708**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.5	102.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	0.49

QC Batch #68711**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	1.6
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.8	99.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.8	101.6	(85.00 - 115.00)	2.0

QC Batch #68780**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	0.99
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	111	111.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	112	112.0	(70.00 - 130.00)	0.90

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
#37589

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68781**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	550	110.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	535	107.0	(85.00 - 115.00)	2.8
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	466	93.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	481	96.2	(70.00 - 130.00)	3.2

QC Batch #68782**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	0.51
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21	105.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.3	106.5	(70.00 - 130.00)	1.4

QC Batch #69012**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0171	85.5	(85.00 - 115.00)	24
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0187	93.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	6.2

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37638 (MW-973-102, MW-973-103, MW-973-62, MW-973-24, MW-973-23, MW-973-22, MW-973-21, MW-973-21MS, MW-973-21MSD)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(NO3) MS/MSD associated with this set does not meet recovery limits.. RPD is acceptable. LCSs are acceptable. Possible low recovery due to Matrix effect. Data reported. QIR: MET-97-54

Samples requiring dilution (with increased MRL's):

MW-973-62: Calcium

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-103, -22, -21

Carbon Tetrachloride was detected in sample ID: MW-973-22, -21

Tetrachloroethylene was detected in sample ID: MW-973-62

Trichloroethylene was detected in sample ID: MW-973-62

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Report Summary of positive results, PR37638

Result MDL UNITS

Analyzed 971001207 MW-973-102

Analyzed 971001208 MW-973-103

10/07/97 Chloroform (Trichloromethane) 1.4 .500 UGL

Analyzed 971001209 MW-973-62

10/07/97 Tetrachloroethylene (PCE) 1.3 .500 UGL
 10/07/97 Trichloroethylene (TCE) 0.6 .500 UGL
 10/09/97 Alkalinity 245 2.000 MGL
 10/13/97 Anion Sum 9.85 .001 MEQL
 10/15/97 Bicarbonate as HCO₃,calculated 299 .001 MGL
 11/03/97 Calcium, Flame AA 115 5.000 MGL
 10/15/97 Carbonate as CO₃, Calculated 0.488 .001 MGL
 11/08/97 Cation Sum 10.200 .001 MEQL
 10/02/97 Chloride 87 1.000 MGL
 11/04/97 Iron, Total, ICAP/MS 315 ***** UGL
 10/07/97 Lab pH 7.4 .001 UNIT
 11/01/97 Magnesium, Flame AA 34 1.000 MGL
 10/02/97 Nitrate-N by IC 9.6 .100 MGL
 11/01/97 Potassium, Flame AA 3.4 1.000 MGL
 11/01/97 Sodium, Flame AA 37 1.000 MGL
 10/06/97 Specific Conductance 955 4.000 UMHO
 10/02/97 Sulfate 87 2.000 MGL
 10/02/97 Total Dissolved Solid (TDS) 610 10.000 MGL

Analyzed 971001210 MW-973-24

10/09/97 Alkalinity 130 2.000 MGL
 10/13/97 Anion Sum 3.26 .001 MEQL
 10/15/97 Bicarbonate as HCO₃,calculated 158 .001 MGL
 11/03/97 Calcium, Flame AA 31 1.000 MGL
 10/15/97 Carbonate as CO₃, Calculated 2.05 .001 MGL
 11/17/97 Cation Sum 3.79 .001 MEQL
 10/02/97 Chloride 11 1.000 MGL
 11/04/97 Iron, Total, ICAP/MS 170 ***** UGL
 10/07/97 Lab pH 8.3 .001 UNIT
 11/01/97 Magnesium, Flame AA 2.0 1.000 MGL
 11/01/97 Potassium, Flame AA 1.3 1.000 MGL
 11/01/97 Sodium, Flame AA 47 1.000 MGL
 10/06/97 Specific Conductance 345 4.000 UMHO
 10/02/97 Sulfate 17 2.000 MGL
 10/02/97 Total Dissolved Solid (TDS) 220 10.000 MGL

Analyzed 971001211 MW-973-23

10/09/97 Alkalinity 160 2.000 MGL
 10/13/97 Anion Sum 3.92 .001 MEQL
 10/15/97 Bicarbonate as HCO₃,calculated 194 .001 MGL
 11/03/97 Calcium, Flame AA 46 1.000 MGL
 10/15/97 Carbonate as CO₃, Calculated 2.52 .001 MGL
 11/17/97 Cation Sum 4.40 .001 MEQL
 10/02/97 Chloride 10 1.000 MGL
 11/04/97 Iron, Total, ICAP/MS 1150 ***** UGL

10/07/97	Lab pH	8.3	.001	UNIT
11/01/97	Magnesium, Flame AA	12	1.000	MGL
11/01/97	Potassium, Flame AA	2.6	1.000	MGL
11/01/97	Sodium, Flame AA	24	1.000	MGL
10/06/97	Specific Conductance	405	4.000	UMHO
10/02/97	Sulfate	21	2.000	MGL
10/02/97	Total Dissolved Solid (TDS)	240	10.000	MGL

Analyzed 971001212 MW-973-22

10/07/97	Carbon Tetrachloride	0.6	.500	UGL
10/07/97	Chloroform (Trichloromethane)	1.3	.500	UGL
10/09/97	Alkalinity	165	2.000	MGL
10/13/97	Anion Sum	4.17	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	200	.001	MGL
11/05/97	Calcium, Flame AA	49	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	2.59	.001	MGL
11/17/97	Cation Sum	4.71	.001	MEQL
10/02/97	Chloride	12	1.000	MGL
10/07/97	Lab pH	8.3	.001	UNIT
11/01/97	Magnesium, Flame AA	13	1.000	MGL
10/02/97	Nitrate-N by IC	0.2	.100	MGL
11/01/97	Potassium, Flame AA	2.5	1.000	MGL
11/01/97	Sodium, Flame AA	26	1.000	MGL
10/06/97	Specific Conductance	435	4.000	UMHO
10/02/97	Sulfate	25	2.000	MGL
10/02/97	Total Dissolved Solid (TDS)	270	10.000	MGL

Analyzed 971001213 MW-973-21

10/07/97	Carbon Tetrachloride	0.6	.500	UGL
10/07/97	Chloroform (Trichloromethane)	0.6	.500	UGL
10/09/97	Alkalinity	165	2.000	MGL
10/13/97	Anion Sum	4.43	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	201	.001	MGL
11/05/97	Calcium, Flame AA	50	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	1.64	.001	MGL
11/17/97	Cation Sum	4.94	.001	MEQL
10/02/97	Chloride	14	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	235	*****	UGL
10/07/97	Lab pH	8.1	.001	UNIT
11/01/97	Magnesium, Flame AA	17	1.000	MGL
10/02/97	Nitrate-N by IC	0.4	.100	MGL
11/01/97	Potassium, Flame AA	3.4	1.000	MGL
11/01/97	Sodium, Flame AA	22	1.000	MGL
10/06/97	Specific Conductance	460	4.000	UMHO
10/02/97	Sulfate	34	2.000	MGL
10/02/97	Total Dissolved Solid (TDS)	270	10.000	MGL

Analyzed 971001214 MW-973-21 MS

10/07/97	1,1-Dichloroethylene	3.8	.500	UGL
10/07/97	1,2,4-Trichlorobenzene	4.0	.500	UGL
10/07/97	Benzene	3.9	.500	UGL
10/07/97	Chlorobenzene	4.0	.500	UGL
10/07/97	Chloroform (Trichloromethane)	4.4	.500	UGL
10/07/97	Toluene	4.0	.500	UGL
10/07/97	Trichloroethylene (TCE)	4.2	.500	UGL
10/07/97	p-Chlorotoluene	3.7	.500	UGL
10/07/97	p-Dichlorobenzene (1,4-DCB)	3.9	.500	UGL

Analyzed	971001215	MW-973-21	MSD		
10/07/97	1,1-Dichloroethylene	3.9	.500	UGL	
10/07/97	1,2,4-Trichlorobenzene	4.0	.500	UGL	
10/07/97	Benzene	4.0	.500	UGL	
10/07/97	Chlorobenzene	4.1	.500	UGL	
10/07/97	Chloroform (Trichloromethane)	4.5	.500	UGL	
10/07/97	Toluene	4.0	.500	UGL	
10/07/97	Trichloroethylene (TCE)	4.1	.500	UGL	
10/07/97	p-Chlorotoluene	3.5	.500	UGL	
10/07/97	p-Dichlorobenzene (1,4-DCB)	3.6	.500	UGL	

QUALITY INVESTIGATION REPORT

QIR No. QIE-HET-97-54
 Analysis: NO₃
 Matrix: H₂O
 Instrument ID: IC

Analysis Date: 10/2/97
 Extraction Date: _____
 Analyst: ETW

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
971001174-25	HAWAIIAN-NAT	HAWAIIAN NATURAL H ₂ O	971001109-13	ENSUREK	Foster Wheeler
971002001	McKesson-TJ	McKesson H ₂ O			
97093.149-51	BHP	BHP World Minerals			
97093.098	ENSUREK	Foster Wheeler			

Brief Description: (include reason for non-compliance)

MS/MSD out of control limit (89% + 89%). Control limits are 90 - 110%. This non-compliance is probably due to matrix interference.

Action Taken: A new Calibration was set and the last MS/MSD's came out.

Impact on Data Quality:

No impact expected. RPD for MS/MSD = 0%.
 MS/MSD Source same as LCS / LCS recoveries within the internal QC limits.

Data Disposition: Re-run ☐ Re-sample ☐ Original Data Reported ☐ Report Annotated ☐

Other: _____

Annotation:

Client Contact:

Met with Hawaiian Nat + McKesson - report to meet to NOV 10/10/97

Extraction: _____

Analyst: _____

Group Leader: _____

QA Coordinator: _____

Project Manager: _____

Date: 10/3/97
 Date: 10/7/97
 Date: 10/8/97
 Date: 10/10/97



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Laboratory Report

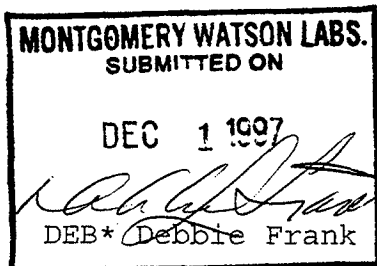
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37638
JPL

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Laboratory
Report
#37638

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
01-oct-1997 17:16:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-102 (971001207)				Sampled on 10/01/97				
Regulated VOCs plus Lists 1&3								
10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/08/97	67784	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Laboratory
Report
#37638

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	89	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-103 (971001208)				Sampled on 10/01/97				
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67169	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	Benzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride		ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	109	% Rec		
MW-973-62 (971001209) Sampled on 10/01/97								
	10/09/97	67561	(ML/S2320B)	Alkalinity	245	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	9.85	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	115	mg/l	5.0	5
	11/08/97		(ML/SM1040)	Cation Sum	10.200	meq/l	0.0010	1
	10/02/97	67261	(ML/EPA 300)	Chloride	87	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.488	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67169	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	955	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	315	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	299	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.4	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	34	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	37	mg/l	1.0	1
	10/02/97	67263	(ML/EPA 300.0)	Nitrate-N by IC	9.6	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	7.4	Units	0.0010	1
	10/02/97	67264	(ML/EPA 300.0)	Sulfate	87	mg/l	2.0	1
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	610	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.3	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.6	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	81	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

MW-973-24 (971001210)**Sampled on 10/01/97**

	10/09/97	67561	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	3.26	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	31	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	3.79	meq/l	0.0010	1
	10/02/97	67261	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	2.05	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67169	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	345	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	170	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	1.3	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	2.0	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	47	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/02/97	67263	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.3	Units	0.0010	1
	10/02/97	67264	(ML/EPA 300.0)	Sulfate	17	mg/l	2.0	1
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	84	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Laboratory
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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-23 (971001211) Sampled on 10/01/97								
	10/09/97	67561	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	3.92	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	46	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	4.40	meq/l	0.0010	1
	10/02/97	67261	(ML/EPA 300)	Chloride	10	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	2.52	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67169	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	405	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1150	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	194	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	10/02/97	67263	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.3	Units	0.0010	1
	10/02/97	67264	(ML/EPA 300.0)	Sulfate	21	mg/l	2.0	1
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-973-22 (971001212) Sampled on 10/01/97

	10/09/97	67561	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.17	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	49	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	4.71	meq/l	0.0010	1
	10/02/97	67261	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	2.59	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67169	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	435	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	200	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	10/02/97	67263	(ML/EPA 300.0)	Nitrate-N by IC	0.2	mg/l	0.10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.3	Units	0.0010	1
	10/02/97	67264	(ML/EPA 300.0)	Sulfate	25	mg/l	2.0	1
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	270	mg/l	10	1

Regulated VOCs plus Lists 1&3

10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	0.6	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1

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**Laboratory
 Report
 #37638**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	89	% Rec		
			(Surrogate)	Toluene-d8	107	% Rec		

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Laboratory
 Report
 #37638

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-21 (971001213) Sampled on 10/01/97								
	10/09/97	67561	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.43	meq/l	0.0010	1
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	50	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	4.94	meq/l	0.0010	1
	10/02/97	67261	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.64	mg/l	0.0010	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/01/97	67169	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	460	umho/cm	4.0	1
11/03/97	11/04/97	68781	(EPA/ML 200.8)	Iron, Total, ICAP/MS	235	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	201	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	3.4	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	22	mg/l	1.0	1
	10/02/97	67263	(ML/EPA 300.0)	Nitrate-N by IC	0.4	mg/l	0.10	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	10/02/97	67264	(ML/EPA 300.0)	Sulfate	34	mg/l	2.0	1
	10/02/97	67387	(ML/S2540C)	Total Dissolved Solid (TDS)	270	mg/l	10	1

Regulated VOCs plus Lists 1&3

10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	0.6	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-973-21 MS (971001214) Sampled on 10/01/97

Regulated VOCs plus Lists 1&3

10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	3.8	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.0	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.9	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	3.7	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	3.9	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	4.0	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.4	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1

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 #37638

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.2	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	4.0	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-973-21 MSD (971001215) Sampled on 10/01/97

Regulated VOCs plus Lists 1&3

10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	3.9	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.0	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.6	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	3.5	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	4.0	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	4.1	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.5	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.1	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	4.0	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Group Comments

(Balance) For some samples the percent difference is greater than 5%. The calculations and analyses were checked. Results support the reported values.

(971001209)

NO3

MS/MSD out of control limit, QIR-MET-97-54.

(971001210)

NO3

MS/MSD out of control limit, QIR-MET-97-54.

(971001211)

NO3

MS/MSD out of control limit, QIR-MET-97-54.

(971001212)

NO3

MS/MSD out of control limit, QIR-MET-97-54.

(971001213)

NO3

MS/MSD out of control limit, QIR-MET-97-54.

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QC Batch #67169**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0477	95.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(78.00 - 118.00)	5.1
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0460	92.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0477	95.4	(80.00 - 120.00)	3.6

QC Batch #67261**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.0	96.0	(90.00 - 110.00)	
LCS2	Chloride	25	24.0	96.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	24.2	96.8	(80.00 - 120.00)	
MSD	Chloride	25	24.3	97.2	(80.00 - 120.00)	0.41

QC Batch #67263**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.35	94.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.34	93.6	(90.00 - 110.00)	0.43
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.23	<u>89.2</u>	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.23	<u>89.2</u>	(90.00 - 110.00)	0.00

QC Batch #67264**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.3	94.6	(90.00 - 110.00)	
LCS2	Sulfate	50	47.3	94.6	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	48.8	97.6	(70.00 - 130.00)	
MSD	Sulfate	50	48.7	97.4	(70.00 - 130.00)	0.21

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #67387**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	654	93.4	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #67561**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.9	102.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	1.7

QC Batch #67703**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.72	118.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.60	115.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

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Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	1,2,4-Trichlorobenzene	4	4.07	101.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.29	107.2	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.20	105.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.83	110.4	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.07	101.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.19	104.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.61	115.3	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.93	98.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.52	113.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.54	113.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.30	107.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.29	107.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.07	103.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.39	109.7	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.06	101.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.15	103.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.03	100.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.30	115.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.21	105.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.02	112.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.34	108.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.93	98.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.06	101.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #67784**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.94	123.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.52	113.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.39	109.7	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.89	97.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.31	103.9	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

LCS1	Benzene	4	3.90	97.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.21	105.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.63	115.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.04	101.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.34	108.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.43	110.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.10	102.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.16	104.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.11	105.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.98	99.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.01	100.2	(70.00 - 130.00)

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Foster Wheeler Environmental, Inc
 (continued)

MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.02	100.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.33	116.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.99	99.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.54	106.7	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.42	110.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.15	103.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.13	103.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68702**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.4	107.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	1.4

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Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68703**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.46
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.7	103.5	(85.00 - 115.00)	1.9

QC Batch #68705**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.2	96.4	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.9	95.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	0.42

QC Batch #68706**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	49.5	99.0	(90.00 - 110.00)	1.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.9	93.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	46.0	92.0	(85.00 - 115.00)	1.9

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68708**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.5	102.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	0.49

QC Batch #68709**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.3	96.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.0	95.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.0	95.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	18.7	93.5	(85.00 - 115.00)	1.6

QC Batch #68711**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	1.6
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.8	99.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.8	101.6	(85.00 - 115.00)	2.0

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Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68712**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.2	104.4	(90.00 - 110.00)	3.5
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	45.1	90.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	44.8	89.6	(85.00 - 115.00)	0.67

QC Batch #68780**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	0.99
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	111	111.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	112	112.0	(70.00 - 130.00)	0.90

QC Batch #68781**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	550	110.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	535	107.0	(85.00 - 115.00)	2.8
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	466	93.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	481	96.2	(70.00 - 130.00)	3.2

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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#37638

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68782**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	0.51
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21	105.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.3	106.5	(70.00 - 130.00)	1.4

QC Batch #68786**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.4	92.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	6.8
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.0	95.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.6	88.0	(75.00 - 125.00)	7.7

QC Batch #69012**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0171	85.5	(85.00 - 115.00)	24
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0187	93.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	6.2

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37680 (MW-973-104, MW-973-105, MW-973-20, MW-973-30, MW-973-29, MW-973-28, MW-973-27)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

None

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-105, -29, -28, -27

Carbon Tetrachloride was detected in sample ID: MW-973-30, -29, -28, -27

Perchlorate was detected in sample ID: MW-973-29, -28, -27

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Report Summary of positive results, PR37680

Result MDL UNITS

Analyzed 971002159 MW-973-104

Analyzed 971002160 MW-973-105

10/07/97 Chloroform (Trichloromethane) 1.4 .500 UGL

Analyzed 971002161 MW-973-20

10/09/97 Alkalinity 195 2.000 MGL
 10/13/97 Anion Sum 5.24 .001 MEQL
 10/15/97 Bicarbonate as HCO3,calculated 237 .001 MGL
 11/05/97 Calcium, Flame AA 59 1.000 MGL
 10/15/97 Carbonate as CO3, Calculated 1.94 .001 MGL
 11/08/97 Cation Sum 5.650 .001 MEQL
 10/03/97 Chloride 15 1.000 MGL
 11/04/97 Iron, Total, ICAP/MS 760 ***** UGL
 10/07/97 Lab pH 8.1 .001 UNIT
 11/01/97 Magnesium, Flame AA 19 1.000 MGL
 10/03/97 Nitrate-N by IC 0.3 .100 MGL
 11/01/97 Potassium, Flame AA 3.7 1.000 MGL
 11/01/97 Sodium, Flame AA 24 1.000 MGL
 10/06/97 Specific Conductance 515 4.000 UMHO
 10/03/97 Sulfate 43 2.000 MGL
 10/08/97 Total Dissolved Solid (TDS) 330 10.000 MGL

Analyzed 971002162 MW-973-30

10/07/97 Carbon Tetrachloride 1.3 .500 UGL
 10/09/97 Alkalinity 175 2.000 MGL
 10/13/97 Anion Sum 4.33 .001 MEQL
 10/15/97 Bicarbonate as HCO3,calculated 213 .001 MGL
 11/05/97 Calcium, Flame AA 46 1.000 MGL
 10/15/97 Carbonate as CO3, Calculated 1.74 .001 MGL
 11/17/97 Cation Sum 4.83 .001 MEQL
 10/03/97 Chloride 13 1.000 MGL
 10/07/97 Lab pH 8.1 .001 UNIT
 11/01/97 Magnesium, Flame AA 11 1.000 MGL
 10/03/97 Nitrate-N by IC 1.0 .100 MGL
 11/01/97 Potassium, Flame AA 2.4 1.000 MGL
 11/01/97 Sodium, Flame AA 36 1.000 MGL
 10/06/97 Specific Conductance 445 4.000 UMHO
 10/03/97 Sulfate 19 2.000 MGL
 10/08/97 Total Dissolved Solid (TDS) 260 10.000 MGL

Analyzed 971002163 MW-973-29

10/07/97 Carbon Tetrachloride 3.8 .500 UGL
 10/07/97 Chloroform (Trichloromethane) 1.0 .500 UGL
 10/09/97 Alkalinity 185 2.000 MGL
 10/13/97 Anion Sum 4.83 .001 MEQL
 10/15/97 Bicarbonate as HCO3,calculated 225 .001 MGL
 11/05/97 Calcium, Flame AA 63 1.000 MGL
 10/15/97 Carbonate as CO3, Calculated 1.16 .001 MGL
 11/08/97 Cation Sum 5.290 .001 MEQL
 10/03/97 Chloride 14 1.000 MGL

11/04/97	Iron, Total, ICAP/MS	280	*****	UGL
10/07/97	Lab pH	7.9	.001	UNIT
11/01/97	Magnesium, Flame AA	13	1.000	MGL
10/03/97	Nitrate-N by IC	1.3	.100	MGL
11/03/97	Perchlorate	7.6	4.000	UGL
11/01/97	Potassium, Flame AA	2.6	1.000	MGL
11/01/97	Sodium, Flame AA	23	1.000	MGL
10/06/97	Specific Conductance	490	4.000	UMHO
10/03/97	Sulfate	31	2.000	MGL
10/08/97	Total Dissolved Solid (TDS)	310	10.000	MGL

Analyzed 971002164 MW-973-28

10/07/97	Carbon Tetrachloride	14	.500	UGL
10/07/97	Chloroform (Trichloromethane)	1.7	.500	UGL
10/09/97	Alkalinity	180	2.000	MGL
10/13/97	Anion Sum	4.92	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	219	.001	MGL
11/05/97	Calcium, Flame AA	59	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	1.42	.001	MGL
11/08/97	Cation Sum	5.310	.001	MEQL
10/03/97	Chloride	18	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	465	*****	UGL
10/07/97	Lab pH	8.0	.001	UNIT
11/01/97	Magnesium, Flame AA	15	1.000	MGL
10/03/97	Nitrate-N by IC	1.2	.100	MGL
11/03/97	Perchlorate	6.2	4.000	UGL
11/01/97	Potassium, Flame AA	3.2	1.000	MGL
11/01/97	Sodium, Flame AA	24	1.000	MGL
10/06/97	Specific Conductance	505	4.000	UMHO
10/03/97	Sulfate	35	2.000	MGL
10/08/97	Total Dissolved Solid (TDS)	300	10.000	MGL

Analyzed 971002165 MW-973-27

10/07/97	Carbon Tetrachloride	0.8	.500	UGL
10/07/97	Chloroform (Trichloromethane)	0.8	.500	UGL
10/09/97	Alkalinity	180	2.000	MGL
10/13/97	Anion Sum	5.02	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	219	.001	MGL
11/05/97	Calcium, Flame AA	60	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	0.450	.001	MGL
11/08/97	Cation Sum	5.530	.001	MEQL
10/03/97	Chloride	15	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	665	*****	UGL
10/07/97	Lab pH	7.5	.001	UNIT
11/01/97	Magnesium, Flame AA	17	1.000	MGL
10/03/97	Nitrate-N by IC	2.0	.100	MGL
11/03/97	Perchlorate	5.8	4.000	UGL
11/01/97	Potassium, Flame AA	3.5	1.000	MGL
11/01/97	Sodium, Flame AA	24	1.000	MGL
10/06/97	Specific Conductance	515	4.000	UMHO
10/03/97	Sulfate	41	2.000	MGL
10/08/97	Total Dissolved Solid (TDS)	320	10.000	MGL



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Laboratory Report

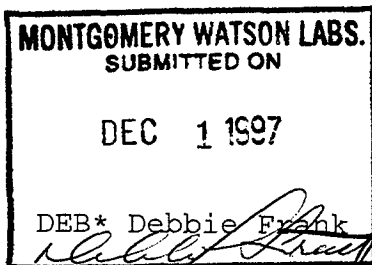
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37680
JPL

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Laboratory
Report
#37680

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
02-oct-1997 17:01:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution

MW-973-104 (971002159) Sampled on 10/02/97

Regulated VOCs plus Lists 1&3

10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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**Laboratory
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 #37680**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	110	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-105 (971002160) Sampled on 10/02/97								
11/08/97	11/10/97	69012	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68780	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/03/97	67267	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68782	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	Benzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride		ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	102	% Rec		
MW-973-20 (971002161)				Sampled on 10/02/97				
	10/09/97	67561	(ML/S2320B)	Alkalinity	195	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	5.24	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	59	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	5.650	meq/l	0.0010	1
	10/03/97	67301	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.94	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/03/97	67267	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	515	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	760	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	237	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	3.7	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	10/03/97	67303	(ML/EPA 300.0)	Nitrate-N by IC	0.3	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	10/03/97	67304	(ML/EPA 300.0)	Sulfate	43	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C)	Total Dissolved Solid (TDS)	330	mg/l	10	1

Regulated VOCs plus Lists 1&3

10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	107	% Rec		

MW-973-30 (971002162) Sampled on 10/02/97

	10/09/97	67561	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.33	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	46	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	4.83	meq/l	0.0010	1
	10/03/97	67301	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.74	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/03/97	67267	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	445	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	36	mg/l	1.0	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/03/97	67303	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	10/03/97	67304	(ML/EPA 300.0)	Sulfate	19	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C)	Total Dissolved Solid (TDS)	260	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	1.3	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-29 (971002163)				Sampled on 10/02/97				
	10/09/97	67561	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.83	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	63	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	5.290	meq/l	0.0010	1
	10/03/97	67301	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	7.6	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.16	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/03/97	67267	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	490	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	280	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	225	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	10/03/97	67303	(ML/EPA 300.0)	Nitrate-N by IC	1.3	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	10/03/97	67304	(ML/EPA 300.0)	Sulfate	31	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C)	Total Dissolved Solid (TDS)	310	mg/l	10	1
				Regulated VOCs plus Lists 1&3				
	10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	3.8	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.0	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	95	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

MW-973-28 (971002164) Sampled on 10/02/97

	10/09/97	67561	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.92	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	59	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	5.310	meq/l	0.0010	1
	10/03/97	67301	(ML/EPA 300)	Chloride	18	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	6.2	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.42	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/03/97	67267	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	505	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	465	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	10/03/97	67303	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.10	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	10/03/97	67304	(ML/EPA 300.0)	Sulfate	35	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C)	Total Dissolved Solid (TDS)	300	mg/l	10	1

Regulated VOCs plus Lists 1&3

10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	14	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.7	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-27 (971002165) Sampled on 10/02/97								
	10/09/97	67561	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	5.02	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	60	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	5.530	meq/l	0.0010	1
	10/03/97	67301	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	5.8	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.450	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/03/97	67267	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/06/97		(ML/S2510B)	Specific Conductance	515	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	665	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	219	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	3.5	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	10/03/97	67303	(ML/EPA 300.0)	Nitrate-N by IC	2.0	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	7.5	Units	0.0010	1
	10/03/97	67304	(ML/EPA 300.0)	Sulfate	41	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C)	Total Dissolved Solid (TDS)	320	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/07/97	67703	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/07/97	67703	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Carbon Tetrachloride	0.8	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.8	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67703	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/07/97	67703	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	89	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		



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Comments
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Group Comments

(Balance) For some samples the percent difference is greater than 5%. The calculations and analyses were checked. Results support the reported values.

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QC Batch #67267**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0494	98.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0486	97.2	(78.00 - 118.00)	1.6
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0494	98.8	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0470	94.0	(80.00 - 120.00)	5.0

QC Batch #67301**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.8	103.2	(90.00 - 110.00)	
LCS2	Chloride	25	25.8	103.2	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.4	105.6	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.00

QC Batch #67303**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.55	102.0	(90.00 - 110.00)	1.2
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	0.00

QC Batch #67304**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.6	101.2	(90.00 - 110.00)	
LCS2	Sulfate	50	50.6	101.2	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	52.7	105.4	(70.00 - 130.00)	
MSD	Sulfate	50	52.7	105.4	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #67561**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.9	102.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	1.7

QC Batch #67588**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #67703**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.72	118.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.60	115.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

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Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	1,2,4-Trichlorobenzene	4	4.07	101.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.29	107.2	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.20	105.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.83	110.4	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.07	101.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.19	104.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.61	115.3	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.93	98.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.52	113.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.54	113.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.30	107.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.29	107.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.07	103.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.39	109.7	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.06	101.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.15	103.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.03	100.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.30	115.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.21	105.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.02	112.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.34	108.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCE)	4	3.93	98.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCE)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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Criteria for MS and DUP are not applicable for ICR monitoring.

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MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.06	101.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68703**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.46
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.7	103.5	(85.00 - 115.00)	1.9

QC Batch #68706**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	49.5	99.0	(90.00 - 110.00)	1.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.9	93.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	46.0	92.0	(85.00 - 115.00)	1.9

QC Batch #68709**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.3	96.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.0	95.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.0	95.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	18.7	93.5	(85.00 - 115.00)	1.6

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68712**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.2	104.4	(90.00 - 110.00)	3.5
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	45.1	90.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	44.8	89.6	(85.00 - 115.00)	0.67

QC Batch #68780**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	0.99
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	111	111.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	112	112.0	(70.00 - 130.00)	0.90

QC Batch #68782**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	0.51
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21	105.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.3	106.5	(70.00 - 130.00)	1.4

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #68783**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	7.8
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.6	99.6	(70.00 - 130.00)	4.3

QC Batch #68784**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	491	98.2	(85.00 - 115.00)	3.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	0.00

QC Batch #68785**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	3.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	3.0

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #68786**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.4	92.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	6.8
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.0	95.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.6	88.0	(75.00 - 125.00)	7.7

QC Batch #69012**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0171	85.5	(85.00 - 115.00)	24
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0187	93.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	6.2

QC Batch #69014**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	0.49
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	8.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37721 (MW-973-106, MW-973-107, MW-973-79, MW-973-78)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

None

Samples requiring dilution (with increased MRL's):

MW-973-79: Iron

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-107

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Report Summary of positive results, PR37721

Result MDL UNITS

Analyzed 971006101 MW-973-106

Analyzed 971006102 MW-973-107

10/08/97 Chloroform (Trichloromethane) 1.4 .500 UGL

Analyzed 971006103 MW-973-79

10/09/97	Alkalinity	175	2.000	MGL
10/13/97	Anion Sum	4.30	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	213	.001	MGL
11/05/97	Calcium, Flame AA	43	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	1.10	.001	MGL
11/08/97	Cation Sum	4.680	.001	MEQL
10/07/97	Chloride	9.0	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	4330	*****	UGL
10/07/97	Lab pH	7.9	.001	UNIT
11/01/97	Magnesium, Flame AA	8.9	1.000	MGL
10/07/97	Nitrate-N by IC	0.9	.100	MGL
11/01/97	Potassium, Flame AA	2.3	1.000	MGL
11/01/97	Sodium, Flame AA	40	1.000	MGL
10/13/97	Specific Conductance	440	4.000	UMHO
10/07/97	Sulfate	23	2.000	MGL
10/08/97	Total Dissolved Solid (TDS)	210	10.000	MGL

Analyzed 971006104 MW-973-78

10/09/97	Alkalinity	155	2.000	MGL
10/13/97	Anion Sum	3.85	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	189	.001	MGL
11/05/97	Calcium, Flame AA	33	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	1.23	.001	MGL
11/08/97	Cation Sum	4.190	.001	MEQL
10/07/97	Chloride	12	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	370	*****	UGL
10/07/97	Lab pH	8.0	.001	UNIT
11/01/97	Magnesium, Flame AA	9.5	1.000	MGL
10/07/97	Nitrate-N by IC	2.6	.100	MGL
11/01/97	Potassium, Flame AA	2.6	1.000	MGL
11/01/97	Sodium, Flame AA	39	1.000	MGL
10/13/97	Specific Conductance	410	4.000	UMHO
10/07/97	Sulfate	11	2.000	MGL
10/08/97	Total Dissolved Solid (TDS)	180	10.000	MGL



MONTGOMERY WATSON LABORATORIES

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Laboratory Report

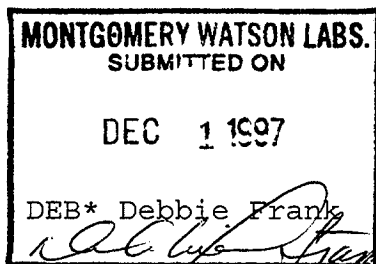
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714) 444-5560



Report#: 37721
JPL

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Laboratory
Report
#37721

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
06-oct-1997 16:27:08

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-106 (971006101)				Sampled on 10/06/97				
Regulated VOCs plus Lists 1&3								
10/08/97	67784		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/08/97	67784		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/08/97	67784		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Report
#37721

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

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Laboratory
Report
#37721

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-107 (971006102)				Sampled on 10/06/97				
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/06/97	67300	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
10/08/97	67784	(ML/EPA 524.2)	Benzene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride		ND	ug/l	0.50	1

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**Laboratory
Report
#37721**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	91	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		

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**Laboratory
 Report
 #37721**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	104	% Rec		
MW-973-79 (971006103) Sampled on 10/06/97								
	10/09/97	67561	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.30	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	43	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.680	meq/l	0.0010	1
	10/07/97	67440	(ML/EPA 300)	Chloride	9.0	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.10	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/06/97	67300	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/13/97		(ML/S2510B)	Specific Conductance	440	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	4330	ug/l	1000	10
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	8.9	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	40	mg/l	1.0	1
	10/07/97	67441	(ML/EPA 300.0)	Nitrate-N by IC	0.9	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	10/07/97	67442	(ML/EPA 300.0)	Sulfate	23	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C)	Total Dissolved Solid (TDS)	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Laboratory
Report
#37721

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/08/97	67784	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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 #37721

Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	82	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-973-78 (971006104) Sampled on 10/06/97

	10/09/97	67561	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	3.85	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	33	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.190	meq/l	0.0010	1
	10/07/97	67440	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.23	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/06/97	67300	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/13/97		(ML/S2510B)	Specific Conductance	410	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	370	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	9.5	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	39	mg/l	1.0	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/07/97	67441	(ML/EPA 300.0)	Nitrate-N by IC	2.6	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/07/97		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	10/07/97	67442	(ML/EPA 300.0)	Sulfate	11	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C)	Total Dissolved Solid (TDS)	180	mg/l	10	1

Regulated VOCs plus Lists 1&3

10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/08/97	67784	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	87	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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QC Batch #67300**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0527	105.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0536	107.2	(78.00 - 118.00)	1.7
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0498	99.6	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0536	107.2	(80.00 - 120.00)	7.4

QC Batch #67440**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.8	103.2	(90.00 - 110.00)	
LCS2	Chloride	25	25.8	103.2	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	25.9	103.6	(80.00 - 120.00)	
MSD	Chloride	25	26.0	104.0	(80.00 - 120.00)	0.39

QC Batch #67441**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.50	100.0	(90.00 - 110.00)	0.80
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.48	99.2	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.49	99.6	(90.00 - 110.00)	0.40

QC Batch #67442**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.5	101.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50.5	101.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	50.3	100.6	(70.00 - 130.00)	
MSD	Sulfate	50	50.3	100.6	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #67561**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.9	102.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	1.7

QC Batch #67588**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #67784**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.94	123.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	1,2,4-Trichlorobenzene	4	4.52	113.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.39	109.7	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.89	97.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.31	103.9	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.90	97.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.21	105.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.63	115.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.04	101.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.34	108.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.43	110.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.10	102.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

LCS1	Ethyl benzene	4	4.16	104.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.11	105.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.98	99.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.01	100.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.02	100.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.33	116.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.99	99.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.54	106.7	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.42	110.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.15	103.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.13	103.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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Foster Wheeler Environmental, Inc
(continued)

MBLK	tert-Butylbenzene	ND				
LCS1	trans-1,2-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #68703**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.46
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.7	103.5	(85.00 - 115.00)	1.9

QC Batch #68706**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	49.5	99.0	(90.00 - 110.00)	1.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.9	93.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	46.0	92.0	(85.00 - 115.00)	1.9

QC Batch #68709**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.3	96.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.0	95.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.0	95.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	18.7	93.5	(85.00 - 115.00)	1.6

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68712**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.2	104.4	(90.00 - 110.00)	3.5
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	45.1	90.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	44.8	89.6	(85.00 - 115.00)	0.67

QC Batch #68783**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	7.8
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.6	99.6	(70.00 - 130.00)	4.3

QC Batch #68784**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	491	98.2	(85.00 - 115.00)	3.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68785**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	3.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	3.0

QC Batch #68786**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.4	92.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	6.8
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.0	95.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.6	88.0	(75.00 - 125.00)	7.7

QC Batch #69014**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	0.49
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	8.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37758 (MW-973-108, MW-973-109, MW-973-75, MW-973-75MS, , MW-973-75MSD)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

None

Samples requiring dilution (with increased MRL's):

MW-973-75: Perchlorate

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-109, -75

Carbon tetrachloride was detected in sample ID: MW-973-75

Trichloroethylene was detected in sample ID: MW-973-75

Trichlorotrifluoroethane was detected in sample ID: MW-973-75

Perchlorate was detected in sample ID: MW-973-75

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Report Summary of positive results, PR37758

Result MDL UNITS

Analyzed 971007141 MW-973-108

Analyzed 971007142 MW-973-109

10/08/97 Chloroform (Trichloromethane) 1.4 .500 UGL

Analyzed 971007143 MW-973-75

10/08/97 Carbon Tetrachloride 5.0 .500 UGL
 10/08/97 Chloroform (Trichloromethane) 3.1 .500 UGL
 10/08/97 Trichloroethylene (TCE) 5.0 .500 UGL
 10/08/97 Trichlorotrifluoroethane (Freon) 0.6 .500 UGL
 10/09/97 Alkalinity 135 2.000 MGL
 10/13/97 Anion Sum 4.04 .001 MEQL
 10/15/97 Bicarbonate as HCO₃, calculated 164 .001 MGL
 11/05/97 Calcium, Flame AA 39 1.000 MGL
 10/15/97 Carbonate as CO₃, Calculated 2.13 .001 MGL
 11/08/97 Cation Sum 4.350 .001 MEQL
 10/08/97 Chloride 14 1.000 MGL
 11/04/97 Iron, Total, ICAP/MS 260 ***** UGL
 10/09/97 Lab pH 8.3 .001 UNIT
 11/01/97 Magnesium, Flame AA 16 1.000 MGL
 10/08/97 Nitrate-N by IC 2.5 .100 MGL
 11/05/97 Perchlorate 92 80.000 UGL
 11/01/97 Potassium, Flame AA 3.3 1.000 MGL
 11/01/97 Sodium, Flame AA 23 1.000 MGL
 10/13/97 Specific Conductance 430 4.000 UMHO
 10/08/97 Sulfate 37 2.000 MGL
 10/08/97 Total Dissolved Solid (TDS) 250 10.000 MGL

Analyzed 971007144 MW-973-75 MS

10/08/97 1,1-Dichloroethylene 3.8 .500 UGL
 10/08/97 1,2,4-Trichlorobenzene 4.2 .500 UGL
 10/08/97 Benzene 3.6 .500 UGL
 10/08/97 Chlorobenzene 4.1 .500 UGL
 10/08/97 Chloroform (Trichloromethane) 4.9 .500 UGL
 10/08/97 Toluene 3.9 .500 UGL
 10/08/97 Trichloroethylene (TCE) 4.7 .500 UGL
 10/08/97 p-Chlorotoluene 3.6 .500 UGL
 10/08/97 p-Dichlorobenzene (1,4-DCB) 3.9 .500 UGL

Analyzed 971007145 MW-973-75 MSD

10/08/97 1,1-Dichloroethylene 3.9 .500 UGL
 10/08/97 1,2,4-Trichlorobenzene 4.5 .500 UGL
 10/08/97 Benzene 3.9 .500 UGL
 10/08/97 Chlorobenzene 4.1 .500 UGL
 10/08/97 Chloroform (Trichloromethane) 4.4 .500 UGL
 10/08/97 Toluene 4.0 .500 UGL
 10/08/97 Trichloroethylene (TCE) 3.7 .500 UGL
 10/08/97 p-Chlorotoluene 4.0 .500 UGL
 10/08/97 p-Dichlorobenzene (1,4-DCB) 3.9 .500 UGL



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Laboratory Report

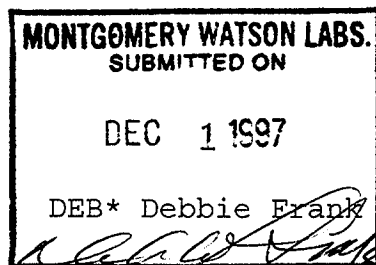
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37758
JPL

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
Report
#37758

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
07-oct-1997 16:52:48

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-108 (971007141)				Sampled on 10/07/97				
Regulated VOCs plus Lists 1&3								
10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/08/97	67784	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Laboratory
Report
#37758

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	117	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Laboratory
Report
#37758

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-109 (971007142)				Sampled on 10/07/97				
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/08/97	67390	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/08/97	67784	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	120	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	102	% Rec		
MW-973-75 (971007143) Sampled on 10/07/97								
	10/09/97	67561	(ML/S2320B	) Alkalinity	135	mg/l	2.0	1
	10/13/97		(ML/SM1040	) Anion Sum	4.04	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B	) Calcium, Flame AA	39	mg/l	1.0	1
	11/08/97		(ML/SM1040	) Cation Sum	4.350	meq/l	0.0010	1
	10/08/97	67519	(ML/EPA 300	) Chloride	14	mg/l	1.0	1
	11/05/97	68786	(MOD/EPA 300	) Perchlorate	92	ug/l	80	20
	10/15/97		(ML/S2320-B	) Carbonate as CO3, Calculated	2.13	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/08/97	67390	(ML/SW 7196	) Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/13/97		(ML/S2510B	) Specific Conductance	430	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8	) Iron, Total, ICAP/MS	260	ug/l	100	1
	10/15/97		(ML/S2320B	) Bicarbonate as HCO3,calculated	164	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B	) Potassium, Flame AA	3.3	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B	) Magnesium, Flame AA	16	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B	) Sodium, Flame AA	23	mg/l	1.0	1
	10/08/97	67522	(ML/EPA 300.0	) Nitrate-N by IC	2.5	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/09/97		(ML/SM 4500H	) Lab pH	8.3	Units	0.0010	1
	10/08/97	67523	(ML/EPA 300.0	) Sulfate	37	mg/l	2.0	1
	10/08/97	67588	(ML/S2540C	) Total Dissolved Solid (TDS)	250	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/08/97	67784	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/08/97	67784	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride	5.0	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.1	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	5.0	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	0.6	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	86	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-973-75 MS (971007144)

Sampled on 10/07/97

Regulated VOCs plus Lists 1&3

10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene	3.8	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.2	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.9	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	p-Chlorotoluene	3.6	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/08/97	67784	(ML/EPA 524.2)	Benzene	3.6	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorobenzene	4.1	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.9	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.7	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	3.9	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-973-75 MSD (971007145)

Sampled on 10/07/97

Regulated VOCs plus Lists 1&3

10/08/97	67784	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloroethylene	3.9	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.5	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.9	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
10/08/97	67784	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
10/08/97	67784	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
10/08/97	67784		(ML/EPA 524.2)	p-Chlorotoluene	4.0	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
10/08/97	67784		(ML/EPA 524.2)	Benzene	3.9	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Chlorobenzene	4.1	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.4	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
10/08/97	67784		(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67784	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.7	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Toluene	4.0	ug/l	0.50	1
	10/08/97	67784	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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QC Batch #67390**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0467	93.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0459	91.8	(78.00 - 118.00)	1.7
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0442	88.4	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0459	91.8	(80.00 - 120.00)	3.8

QC Batch #67519**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.6	102.4	(90.00 - 110.00)	
LCS2	Chloride	25	25.8	103.2	(90.00 - 110.00)	0.78
MBLK	Chloride	ND				
MS	Chloride	25	26.4	105.6	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.00

QC Batch #67522**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.50	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.50	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.50	100.0	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	0.40

QC Batch #67523**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.2	100.4	(90.00 - 110.00)	
LCS2	Sulfate	50	50.3	100.6	(90.00 - 110.00)	0.20
MBLK	Sulfate	ND				
MS	Sulfate	50	52.3	104.6	(70.00 - 130.00)	
MSD	Sulfate	50	52.3	104.6	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #67561**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.9	102.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	1.7

QC Batch #67588**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #67784**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.94	123.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

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LCS1	1,2,4-Trichlorobenzene	4	4.52	113.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.39	109.7	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.89	97.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.31	103.9	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.90	97.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.21	105.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.63	115.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.04	101.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.34	108.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.43	110.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.10	102.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.16	104.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.11	105.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.98	99.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.01	100.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.02	100.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.33	116.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.99	99.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.54	106.7	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.42	110.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.15	103.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.13	103.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.2	96.0	(85.00 - 115.00)	2.1

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Laboratory
QC Report
#37758

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

QC Batch #68783**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	7.8
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.6	99.6	(70.00 - 130.00)	4.3

QC Batch #68784**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	491	98.2	(85.00 - 115.00)	3.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68785**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	3.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	3.0

QC Batch #68786**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.4	92.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	6.8
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.0	95.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.6	88.0	(75.00 - 125.00)	7.7

QC Batch #69014**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	0.49
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	8.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37793 (MW-973-110, MW-973-111, MW-973-76, MW-973-77)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(VOC) MW-973-76: Surrogate 1,2-DCAd4 recovered above QC limits. BFB, the QAPP required surrogate, is acceptable as is the third surrogate. These two surrogates are representative of the compounds detected. Original data is reported.

Samples requiring dilution (with increased MRL's):

MW-973-76: Perchlorate

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-111, -76

Carbon tetrachloride was detected in sample ID: MW-973-76

Trichloroethylene was detected in sample ID: MW-973-76

Perchlorate was detected in sample ID: MW-973-76

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelty (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400
Fax: 626 568 6324

Quality Environmental Analysis

Report Summary of positive results, PR37793

			Result	MDL	UNITS

Analyzed	971008149	MW-973-110			

Analyzed	971008150	MW-973-111			

10/10/97	Chloroform (Trichloromethane)	1.6	.500	UGL

Analyzed	971008151	MW-973-76			

10/10/97	Carbon Tetrachloride	13	.500	UGL
10/10/97	Chloroform (Trichloromethane)	3.8	.500	UGL
10/10/97	Trichloroethylene (TCE)	1.3	.500	UGL
10/09/97	Alkalinity	140	2.000	MGL
10/13/97	Anion Sum	4.42	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	170	.001	MGL
11/05/97	Calcium, Flame AA	38	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	1.75	.001	MGL
11/08/97	Cation Sum	4.750	.001	MEQL
10/08/97	Chloride	38	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	575	*****	UGL
10/09/97	Lab pH	8.2	.001	UNIT
11/01/97	Magnesium, Flame AA	13	1.000	MGL
10/08/97	Nitrate-N by IC	2.2	.100	MGL
11/05/97	Perchlorate	200	80.000	UGL
11/01/97	Potassium, Flame AA	3.4	1.000	MGL
11/01/97	Sodium, Flame AA	39	1.000	MGL
10/13/97	Specific Conductance	480	4.000	UMHO
10/08/97	Sulfate	19	2.000	MGL
10/14/97	Total Dissolved Solid (TDS)	280	10.000	MGL

Analyzed	971008152	MW-973-77			

10/09/97	Alkalinity	155	2.000	MGL
10/13/97	Anion Sum	4.29	.001	MEQL
10/15/97	Bicarbonate as HCO ₃ ,calculated	189	.001	MGL
11/05/97	Calcium, Flame AA	39	1.000	MGL
10/15/97	Carbonate as CO ₃ , Calculated	0.616	.001	MGL
11/17/97	Cation Sum	4.78	.001	MEQL
10/08/97	Chloride	26	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	610	*****	UGL
10/09/97	Lab pH	7.7	.001	UNIT
11/01/97	Magnesium, Flame AA	12	1.000	MGL
10/08/97	Nitrate-N by IC	1.7	.100	MGL
11/01/97	Potassium, Flame AA	2.4	1.000	MGL
11/01/97	Sodium, Flame AA	41	1.000	MGL
10/13/97	Specific Conductance	460	4.000	UMHO
10/08/97	Sulfate	16	2.000	MGL
10/14/97	Total Dissolved Solid (TDS)	280	10.000	MGL



MONTGOMERY WATSON LABORATORIES

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 1 1997

DEB* Debbie Frank

Report#: 37793
JPL

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Laboratory
Report
#37793

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
08-oct-1997 17:07:35

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-110 (971008149)			Sampled on 10/08/97					
Regulated VOCs plus Lists 1&3								
10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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**Laboratory
Report
#37793**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate	4-Bromofluorobenzene	106	% Rec		
			(Surrogate	Toluene-d8	109	% Rec		

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Laboratory
Report
#37793

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-111 (971008150) Sampled on 10/08/97								
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/08/97	67444	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.6	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	87	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	104	% Rec		
MW-973-76 (971008151) Sampled on 10/08/97								
	10/09/97	67571	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.42	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68712	(ML/S3111B)	Calcium, Flame AA	38	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.750	meq/l	0.0010	1
	10/08/97	67519	(ML/EPA 300)	Chloride	38	mg/l	1.0	1
	11/05/97	68786	(MOD/EPA 300)	Perchlorate	200	ug/l	80	20
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.75	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/08/97	67444	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/13/97		(ML/S2510B)	Specific Conductance	480	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	575	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	170	mg/l	0.0010	1
	11/01/97	68703	(ML/S3111B)	Potassium, Flame AA	3.4	mg/l	1.0	1
	11/01/97	68709	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	11/01/97	68706	(ML/S3111B)	Sodium, Flame AA	39	mg/l	1.0	1
	10/08/97	67522	(ML/EPA 300.0)	Nitrate-N by IC	2.2	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/09/97		(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	10/08/97	67523	(ML/EPA 300.0)	Sulfate	19	mg/l	2.0	1
	10/14/97	67826	(ML/S2540C)	Total Dissolved Solid (TDS)	280	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	13	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.8	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.3	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	124	% Rec		
			(Surrogate)	4-Bromofluorobenzene	92	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-973-77 (971008152) Sampled on 10/08/97

	10/09/97	67571	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	10/13/97		(ML/SM1040)	Anion Sum	4.29	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	39	mg/l	1.0	1
	11/17/97		(ML/SM1040)	Cation Sum	4.78	meq/l	0.0010	1
	10/08/97	67519	(ML/EPA 300)	Chloride	26	mg/l	1.0	1
	11/03/97	68786	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/15/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.616	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/08/97	67444	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/13/97		(ML/S2510B)	Specific Conductance	460	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	610	ug/l	100	1
	10/15/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	41	mg/l	1.0	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/08/97	67522	(ML/EPA 300.0)	Nitrate-N by IC	1.7	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/09/97		(ML/SM 4500H)	Lab pH	7.7	Units	0.0010	1
	10/08/97	67523	(ML/EPA 300.0)	Sulfate	16	mg/l	2.0	1
	10/14/97	67826	(ML/S2540C)	Total Dissolved Solid (TDS)	280	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

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Report
Comments
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Group Comments

(524) Sample MW-973-76 was analyzed twice and 1,2-DCA-d4 recovered above QC limit both times. This sample was rerun a third time combining both vials but the result was lower than the original run.

(Balance) For some samples the percent difference is greater than 5%. The calculations and analyses were checked. Results support the reported values.

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Foster Wheeler Environmental, Inc

QC Batch #67444**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0475	95.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0511	102.2	(78.00 - 118.00)	7.3
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0484	96.8	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(80.00 - 120.00)	3.7

QC Batch #67519**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.6	102.4	(90.00 - 110.00)	
LCS2	Chloride	25	25.8	103.2	(90.00 - 110.00)	0.78
MBLK	Chloride	ND				
MS	Chloride	25	26.4	105.6	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.00

QC Batch #67522**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.50	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.50	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.50	100.0	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	0.40

QC Batch #67523**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.2	100.4	(90.00 - 110.00)	
LCS2	Sulfate	50	50.3	100.6	(90.00 - 110.00)	0.20
MBLK	Sulfate	ND				
MS	Sulfate	50	52.3	104.6	(70.00 - 130.00)	
MSD	Sulfate	50	52.3	104.6	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #67571**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	99.2	103.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.5	101.4	(90.00 - 110.00)	1.7
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.9	102.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	1.7

QC Batch #67826**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	658	94.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #67867**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.46	111.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.75	93.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

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LCS1	1,2,4-Trichlorobenzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.76	119.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.92	98.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.42	105.2	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.45	111.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.85	121.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.22	105.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.86	96.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.62	115.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.21	105.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.06	101.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	3.94	98.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.16	108.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.72	93.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.94	98.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.25	106.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.26	113.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.80	95.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.80	97.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.07	101.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.97	99.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.55	88.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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Criteria for MS and DUP are not applicable for ICR monitoring.

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MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.87	96.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68703**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.46
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.7	103.5	(85.00 - 115.00)	1.9

QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

QC Batch #68706**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	49.5	99.0	(90.00 - 110.00)	1.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.9	93.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	46.0	92.0	(85.00 - 115.00)	1.9

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

QC Batch #68709**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.3	96.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.0	95.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.0	95.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	18.7	93.5	(85.00 - 115.00)	1.6

QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.2	96.0	(85.00 - 115.00)	2.1

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68712**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.2	104.4	(90.00 - 110.00)	3.5
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	45.1	90.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	44.8	89.6	(85.00 - 115.00)	0.67

QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

QC Batch #68783**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	7.8
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.6	99.6	(70.00 - 130.00)	4.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68784**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	491	98.2	(85.00 - 115.00)	3.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	0.00

QC Batch #68785**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	3.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	3.0

QC Batch #68786**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.4	92.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	6.8
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.0	95.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.6	88.0	(75.00 - 125.00)	7.7

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #69014		Arsenic, Total, GF				
QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	0.49
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	8.3

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Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37812 (MW-973-112, MW-973-113, MW-973-69, MW-973-68)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(CrVI) MSD associated with this set does not meet QC recovery limits. RPD is acceptable. Associated LCSs are acceptable. Data is reportable

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-113

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Report Summary of positive results, PR37812

Result MDL UNITS

Analyzed 971009014 MW-973-112

Analyzed 971009015 MW-973-113

10/10/97 Chloroform (Trichloromethane) 1.6 .500 UGL

Analyzed 971009016 MW-973-69

10/22/97	Alkalinity	110	2.000	MGL
10/30/97	Anion Sum	3.70	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated	132	.001	MGL
11/05/97	Calcium, Flame AA	11	1.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated	4.3	.001	MGL
11/08/97	Cation Sum	4.020	.001	MEQL
10/10/97	Chloride	11	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	1530	*****	UGL
10/14/97	Lab pH	8.7	.001	UNIT
11/01/97	Magnesium, Flame AA	3.0	1.000	MGL
11/01/97	Potassium, Flame AA	1.8	1.000	MGL
11/01/97	Sodium, Flame AA	73	1.000	MGL
10/13/97	Specific Conductance	425	4.000	UMHO
10/10/97	Sulfate	57	2.000	MGL
10/14/97	Total Dissolved Solid (TDS)	260	10.000	MGL

Analyzed 971009017 MW-973-68

10/22/97	Alkalinity	140	2.000	MGL
10/30/97	Anion Sum	3.61	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated	170	.001	MGL
11/05/97	Calcium, Flame AA	35	1.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated	0.878	.001	MGL
11/08/97	Cation Sum	3.810	.001	MEQL
10/10/97	Chloride	12	1.000	MGL
11/04/97	Iron, Total, ICAP/MS	310	*****	UGL
10/14/97	Lab pH	7.9	.001	UNIT
11/01/97	Magnesium, Flame AA	9.6	1.000	MGL
10/10/97	Nitrate-N by IC	4.2	.100	MGL
11/01/97	Potassium, Flame AA	1.9	1.000	MGL
11/01/97	Sodium, Flame AA	28	1.000	MGL
10/13/97	Specific Conductance	380	4.000	UMHO
10/10/97	Sulfate	8.2	2.000	MGL
10/14/97	Total Dissolved Solid (TDS)	230	10.000	MGL



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Laboratory Report

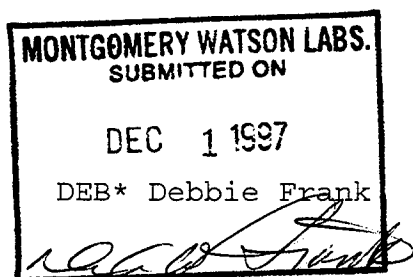
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714) 444-5560



Report#: 37812
JPL

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Laboratory
Report
#37812

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
09-oct-1997 13:33:01

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-112 (971009014)			Sampled on 10/09/97					
Regulated VOCs plus Lists 1&3								
10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Report
#37812

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Laboratory
 Report
 #37812

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-113 (971009015)				Sampled on 10/09/97				
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/09/97	68021	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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**Laboratory
 Report
 #37812**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.6	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% Rec		

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Laboratory
Report
#37812

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	108	% Rec		
MW-973-69 (971009016)				Sampled on 10/09/97				
	10/22/97	68083	(ML/S2320B)	Alkalinity	110	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	3.70	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	11	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.020	meq/l	0.0010	1
	10/10/97	67636	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO3, Calculated	4.3	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/09/97	68021	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/13/97		(ML/S2510B)	Specific Conductance	425	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1530	ug/l	100	1
	10/30/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	132	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	1.8	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	3.0	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	73	mg/l	1.0	1
	10/10/97	67639	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/14/97		(ML/SM 4500H)	Lab pH	8.7	Units	0.0010	1
	10/10/97	67640	(ML/EPA 300.0)	Sulfate	57	mg/l	2.0	1
	10/14/97	67826	(ML/S2540C)	Total Dissolved Solid (TDS)	260	mg/l	10	1
				Regulated VOCs plus Lists 1&3				
	10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-973-68 (971009017)

Sampled on 10/09/97

	10/22/97	68083	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	3.61	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	35	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	3.810	meq/l	0.0010	1
	10/10/97	67636	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.878	mg/l	0.0010	1
11/03/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/09/97	68021	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/13/97		(ML/S2510B)	Specific Conductance	380	umho/cm	4.0	1
11/03/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	310	ug/l	100	1
	10/30/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	170	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	9.6	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	28	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67639	(ML/EPA 300.0)	Nitrate-N by IC	4.2	mg/l	0.10	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/14/97		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	10/10/97	67640	(ML/EPA 300.0)	Sulfate	8.2	mg/l	2.0	1
	10/14/97	67826	(ML/S2540C)	Total Dissolved Solid (TDS)	230	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/10/97	67867	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/10/97	67867	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/10/97	67867	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/10/97	67867	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

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QC Batch #67636**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.0	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26.0	104.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	25.9	103.6	(80.00 - 120.00)	
MSD	Chloride	25	25.9	103.6	(80.00 - 120.00)	0.00

QC Batch #67639**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.55	102.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.55	102.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.46	98.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.46	98.4	(90.00 - 110.00)	0.00

QC Batch #67640**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Sulfate	50	51.8	103.6	(90.00 - 110.00)	0.19
MBLK	Sulfate	ND				
MS	Sulfate	50	51.4	102.8	(70.00 - 130.00)	
MSD	Sulfate	50	51.4	102.8	(70.00 - 130.00)	0.00

QC Batch #67826**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	658	94.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #67867**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.46	111.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.75	93.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.76	119.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.42	105.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.78	94.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

LCS1	Bromodichloromethane	4	4.45	111.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.85	121.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.22	105.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.86	96.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.62	115.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.21	105.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.06	101.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.94	98.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.16	108.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.72	93.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.94	98.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.25	106.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.26	113.0	(70.00 - 130.00)

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Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
 (continued)

MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.80	95.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.80	97.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.07	101.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.97	99.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.55	88.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.87	96.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68021**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0518	103.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0509	101.8	(78.00 - 118.00)	1.8
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0427	85.4	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0381	<u>76.2</u>	(80.00 - 120.00)	11

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
 Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #68083**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.9	100.7	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.6	100.4	(90.00 - 110.00)	0.31
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	93.6	97.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	3.8

QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

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Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.2	96.0	(85.00 - 115.00)	2.1

QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

QC Batch #68783**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	7.8
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.6	99.6	(70.00 - 130.00)	4.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68784**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	491	98.2	(85.00 - 115.00)	3.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	0.00

QC Batch #68785**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	3.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	3.0

QC Batch #68787**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.3	91.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	3.2
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	3.0

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #69014**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	0.49
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	8.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37863 (MW-973-114, MW-973-115, MW-973-67)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(NO3) MS/MSD exceeded the calibration range of the method due to
Matrix of the sample spiked. MS/MSD entered as NA per MWL policy.
QIR MET-97-56

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-115

Perchlorate was detected in sample ID: MW-973-67

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400
Fax: 626 568 6324

Quality Environmental Analysis

Craig

PITTSBURGH

908-0594

HDS

QUALITY INVESTIGATION REPORT

QIR No. QIR- 767- 77-56
Analysis: NO3
Matrix: H2O
Instrument ID: 1CAnalysis Date: 10/14/97
Extraction Date: _____
Analyst: EW

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
971014085	CC. SANITATION	LACSD-RL	971014132	ENSERCH	ENSERCH
971014081	CITY OF POTTERA	POTTERA			
971014084	↓	↓			
971013037	ENSERCH	ENSERCH			

Brief Description: (include reason for non-compliance)

MS/MSD out of calibration range, so no data available. Link samples to ~~LES & LES~~ pair of LES. with RPD = 0%. Sample 971013037 with a 8.7 ppm hit was spiked at 2.5 ppm, linear range is 10 ppm

Action Taken:

Entered the MS/MSD as NA

Impact on Data Quality:

No impact. LES's RPD = 0%

Data Disposition:

Re-run ☐Re-sample ☐Original Data Reported ☒Report Annotated ☒

Other:

Annotation:

Client Contact:

LACSD - Annotate & report - HDS 10/20/97
ENSERCH - Annotate as above - HDS 10/20/97

Extraction:

Analyst:

Group Leader:

QA Coordinator:

Project Manager:

Date:

Date:

Date:

Date:

Date:

Report Summary of positive results, PR37863

			Result	MDL	UNITS
Analyzed	971013035	MW-973-114			
Analyzed	971013036	MW-973-115			
10/15/97	Chloroform (Trichloromethane)		1.4	.500	UGL
Analyzed	971013037	MW-973-67			
10/22/97	Alkalinity		150	2.000	MGL
10/30/97	Anion Sum		4.79	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated		183	.001	MGL
11/05/97	Calcium, Flame AA		46	1.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated		1.19	.001	MGL
11/08/97	Cation Sum		4.950	.001	MEQL
10/14/97	Chloride		28	1.000	MGL
11/04/97	Iron, Total, ICAP/MS		470	*****	UGL
10/14/97	Lab pH		8.0	.001	UNIT
11/01/97	Magnesium, Flame AA		14	1.000	MGL
10/14/97	Nitrate-N by IC		8.7	.100	MGL
11/03/97	Perchlorate		15	4.000	UGL
11/01/97	Potassium, Flame AA		2.3	1.000	MGL
11/01/97	Sodium, Flame AA		33	1.000	MGL
10/16/97	Specific Conductance		505	4.000	UMHO
10/14/97	Sulfate		18	2.000	MGL
10/14/97	Total Dissolved Solid (TDS)		290	10.000	MGL



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Laboratory Report

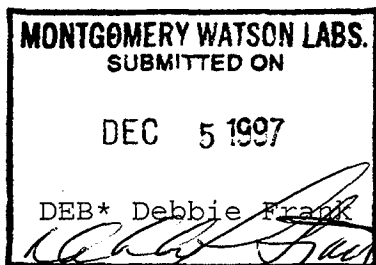
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37863
JPL

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Report
#37863

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
13-oct-1997 16:59:41

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution

MW-973-114 (971013035) Sampled on 10/13/97

Regulated VOCs plus Lists 1&3

10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT 4.40)	1.3	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	87	% Rec		
			(Surrogate)	4-Bromofluorobenzene	117	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

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Report
#37863

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-115 (971013036) Sampled on 10/13/97								
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/04/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/13/97	68023	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/03/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	Benzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride		ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	104	% Rec		
MW-973-67 (971013037) Sampled on 10/13/97								
	10/22/97	68083	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	4.79	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	46	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.950	meq/l	0.0010	1
	10/14/97	67785	(ML/EPA 300)	Chloride	28	mg/l	1.0	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	15	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.19	mg/l	0.0010	1
11/04/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/13/97	68023	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/16/97		(ML/S2510B)	Specific Conductance	505	umho/cm	4.0	1
11/04/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	470	ug/l	100	1
	10/30/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	33	mg/l	1.0	1
	10/14/97	67791	(ML/EPA 300.0)	Nitrate-N by IC	8.7	mg/l	0.10	1
11/04/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/14/97		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	10/14/97	67788	(ML/EPA 300.0)	Sulfate	18	mg/l	2.0	1
	10/14/97	67826	(ML/S2540C)	Total Dissolved Solid (TDS)	290	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/15/97	68014	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		



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(971013037)

NO3

No MS/MSD data available, QIR-MET-97-56.

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QC Batch #67785**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.1	104.4	(90.00 - 110.00)	
LCS2	Chloride	25	26.1	104.4	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	25.0	100.0	(80.00 - 120.00)	
MSD	Chloride	25	25.0	100.0	(80.00 - 120.00)	0.00

QC Batch #67788**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	52.0	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	52.1	104.2	(90.00 - 110.00)	0.19
MBLK	Sulfate	ND				
MS	Sulfate	50	52.5	105.0	(70.00 - 130.00)	
MSD	Sulfate	50	52.5	105.0	(70.00 - 130.00)	0.00

QC Batch #67791**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.56	102.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.56	102.4	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				

QC Batch #67826**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	658	94.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Laboratory
QC Report
#37863

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68014		Regulated VOCs plus Lists 1&3				
QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.41	110.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.20	105.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropene	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.60	115.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.17	102.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	4.04	101.0	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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#37863

Foster Wheeler Environmental, Inc
(continued)

LCS1	Bromodichloromethane	4	4.01	100.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.94	98.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.98	99.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.15	103.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.00	100.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.10	102.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.19	104.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.16	104.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.80	90.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.07	101.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.17	104.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.04	101.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.69	84.5	(70.00 - 130.00)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Laboratory
 QC Report
 #37863

Foster Wheeler Environmental, Inc
 (continued)

MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.12	103.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.07	100.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.91	97.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.16	104.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.93	98.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.14	103.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68023**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0489	97.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0480	96.0	(78.00 - 118.00)	1.9
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0480	96.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0462	92.4	(80.00 - 120.00)	3.8

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
 Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
#37863

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68083**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.9	100.7	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.6	100.4	(90.00 - 110.00)	0.31
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	93.6	97.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	3.8

QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
#37863

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.2	96.0	(85.00 - 115.00)	2.1

QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

QC Batch #68783**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	7.8
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.6	99.6	(70.00 - 130.00)	4.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
#37863

Foster Wheeler Environmental, Inc
(continued)

QC Batch #68784**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	491	98.2	(85.00 - 115.00)	3.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	0.00

QC Batch #68785**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	3.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	3.0

QC Batch #68787**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.3	91.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	3.2
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	3.0

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Report
#37863

Foster Wheeler Environmental, Inc
(continued)

QC Batch #69014**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	0.49
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	8.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37893 (MW-973-116, MW-973-117, MW-973-66, MW-973-66MS, MW-973-66MSD)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(NO3) MS/MSD exceeded the calibration range of the method due to Matrix of the sample spiked. MS/MSD entered as NA per MWL policy.
QIR MET-97-56

Samples requiring dilution (with increased MRL's):

MW-973-66: Chloride, Nitrate, Sulfate

Method blanks with compounds detected:

None

Other Comments:

(VOC) MW-973-66 was run 3x to confirm Dichloromethane Hit, requiring combination of volume from previously opened VOC vials from the original 2 runs. Data from original run reported. 3rd run confirms presence of the Hit. Suspect only one vial contains the contaminant Dichloromethane, tag # 7408.

(VOC) Samples analyzed 10/15/97 were reanalyzed on 12/5/97 past HT to confirm hits in MW-973-116 which were unexpected by client. The Hits confirm for MW-973-116.

Toluene was detected in sample ID: MW-973-116

m,p-Xylenes were detected in sample ID: MW-973-116

Chloroform was detected in sample ID: MW-973-117

Dichloromethane was detected in sample ID: MW-973-66

TIC's:

Ethyl methyl benzene isomer was detected in MW-973-116

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400
Fax: 626 568 6324

Quality Environmental Analysis

Report Summary of positive results, PR37893

			Result	MDL	UNITS
Analyzed	971014150	MW-973-116			
10/15/97	Toluene		2.5	.500	UGL
10/15/97	m,p-Xylenes		2.1	.500	UGL
Analyzed	971014151	MW-973-117			
10/15/97	Chloroform (Trichloromethane)		1.4	.500	UGL
Analyzed	971014152	MW-973-66			
10/15/97	Dichloromethane		0.8	.500	UGL
10/22/97	Alkalinity		175	2.000	MGL
10/30/97	Anion Sum		7.01	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated		213	.001	MGL
11/05/97	Calcium, Flame AA		69	1.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated		0.551	.001	MGL
11/08/97	Cation Sum		6.980	.001	MEQL
10/14/97	Chloride		57	2.000	MGL
11/04/97	Iron, Total, ICAP/MS		690	*****	UGL
10/16/97	Lab pH		7.6	.001	UNIT
11/01/97	Magnesium, Flame AA		25	1.000	MGL
10/14/97	Nitrate-N by IC		9.7	.200	MGL
11/01/97	Potassium, Flame AA		3.1	1.000	MGL
11/01/97	Sodium, Flame AA		32	1.000	MGL
10/16/97	Specific Conductance		715	4.000	UMHO
10/14/97	Sulfate		58	4.000	MGL
10/17/97	Total Dissolved Solid (TDS)		400	10.000	MGL
Analyzed	971014153	MW-973-66 MS			
10/15/97	1,1-Dichloroethylene		4.4	.500	UGL
10/15/97	1,2,4-Trichlorobenzene		4.3	.500	UGL
10/15/97	Benzene		4.4	.500	UGL
10/15/97	Chlorobenzene		4.3	.500	UGL
10/15/97	Chloroform (Trichloromethane)		4.8	.500	UGL
10/15/97	Toluene		4.4	.500	UGL
10/15/97	Trichloroethylene (TCE)		4.8	.500	UGL
10/15/97	p-Chlorotoluene		5.2	.500	UGL
10/15/97	p-Dichlorobenzene (1,4-DCB)		5.0	.500	UGL
Analyzed	971014154	MW-973-66 MSD			
10/15/97	1,1-Dichloroethylene		4.2	.500	UGL
10/15/97	1,2,4-Trichlorobenzene		4.0	.500	UGL
10/15/97	Benzene		4.2	.500	UGL
10/15/97	Chlorobenzene		4.1	.500	UGL
10/15/97	Chloroform (Trichloromethane)		4.4	.500	UGL
10/15/97	Toluene		3.9	.500	UGL
10/15/97	Trichloroethylene (TCE)		4.4	.500	UGL
10/15/97	p-Chlorotoluene		4.0	.500	UGL
10/15/97	p-Dichlorobenzene (1,4-DCB)		4.1	.500	UGL

Craig

FALLEN

108-0594

HDS

QUALITY INVESTIGATION REPORT

QIR No. QIR-1761-77-56Analysis Date: 10/14/97Analysis: NDS

Extraction Date: _____

Matrix: AWOAnalyst: BLWInstrument ID: 1C

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
971014085	CO. SANITATION	LACSD-R.E.	971014152	ENSERCH	ENSERCH
971014081	CITY OF POTTERA	POTTERA			
971014084	↓	↓			
971013037	ENSERCH	ENSERCH			

Brief Description: (include reason for non-compliance)

MS/MSD out of calibration range, so no data available. Link samples to ~~test~~ pair of LIS with RPD = 0%. Sample 971013037 with a 8.7 ppm hit was spiked at 2.5 ppm, linear range is 10 ppm

Action Taken:

Entered the MS/MSD as NA

Impact on Data Quality:

No impact. LIS's RPD = 0%

Data Disposition:

Re-run ☐Re-sample ☐Original Data Reported ☒Report Annotated ☒

Other: _____

Annotation: _____

Client Contact:

LACSD - Annotate & report - HDS 10/20/97
ENSERCH - Annotate as above - BLW 10/20/97

Extraction:

Analyst: BLWGroup Leader: ThompsonQA Coordinator: WileyProject Manager: WileyDate: 10/15/97Date: 10/16/97Date: 10/17/97Date: 10/20/97



MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714) 444-5560

MONTGOMERY WATSON LABS.

SUBMITTED ON

DEC 3 1997

DEB* Debbie Frank

Report#: 37893
JPL

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
Report
#37893

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
14-oct-1997 16:51:38

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution

MW-973-116 (971014150) Sampled on 10/14/97

Regulated VOCs plus Lists 1&3

10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	2.1	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	2.5	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Ethyl methyl benzene isomer	1.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-117 (971014151)				Sampled on 10/14/97				
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/04/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/14/97	68020	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/04/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	Benzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride		ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	103	% Rec		
MW-973-66 (971014152) Sampled on 10/14/97								
	10/22/97	68083	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	7.01	meq/l	0.0010	1
11/08/97	11/10/97	69014	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	69	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	6.980	meq/l	0.0010	1
	10/14/97	67785	(ML/EPA 300)	Chloride	57	mg/l	2.0	2
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.551	mg/l	0.0010	1
11/04/97	11/04/97	68783	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/14/97	68020	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/16/97		(ML/S2510B)	Specific Conductance	715	umho/cm	4.0	1
11/04/97	11/04/97	68784	(EPA/ML 200.8)	Iron, Total, ICAP/MS	690	ug/l	100	1
	10/30/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	25	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	32	mg/l	1.0	1
	10/14/97	67791	(ML/EPA 300.0)	Nitrate-N by IC	9.7	mg/l	0.20	2
11/04/97	11/04/97	68785	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/16/97		(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	10/14/97	67788	(ML/EPA 300.0)	Sulfate	58	mg/l	4.0	2
	10/17/97	68090	(ML/S2540C)	Total Dissolved Solid (TDS)	400	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/15/97	68014	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	0.8	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	109	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-973-66 MS (971014153) Sampled on 10/14/97

Regulated VOCs plus Lists 1&3

10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene	4.4	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.3	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	5.0	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene	5.2	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/15/97	68014	(ML/EPA 524.2)	Benzene	4.4	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene	4.3	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.8	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.8	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	4.4	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	118	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

MW-973-66 MSD (971014154) Sampled on 10/14/97

Regulated VOCs plus Lists 1&3

10/15/97	68014	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloroethylene	4.2	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.0	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.1	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
10/15/97	68014	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
10/15/97	68014	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	p-Chlorotoluene	4.0	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/15/97	68014	(ML/EPA 524.2)	Benzene	4.2	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorobenzene	4.1	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.4	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/15/97	68014	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.4	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Toluene	3.9	ug/l	0.50	1
	10/15/97	68014	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		



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(971014152)

NO3

No MS/MSD data available, QIR-MET-97-56.

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Foster Wheeler Environmental, Inc

QC Batch #67785**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.1	104.4	(90.00 - 110.00)	
LCS2	Chloride	25	26.1	104.4	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	25.0	100.0	(80.00 - 120.00)	
MSD	Chloride	25	25.0	100.0	(80.00 - 120.00)	0.00

QC Batch #67788**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	52.0	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	52.1	104.2	(90.00 - 110.00)	0.19
MBLK	Sulfate	ND				
MS	Sulfate	50	52.5	105.0	(70.00 - 130.00)	
MSD	Sulfate	50	52.5	105.0	(70.00 - 130.00)	0.00

QC Batch #67791**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.56	102.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.56	102.4	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				

QC Batch #68014**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.41	110.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.20	105.0	(70.00 - 130.00)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.07	101.8	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.15	103.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.60	115.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.13	103.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.17	102.1	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.04	101.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.01	100.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.94	98.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.98	99.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.15	103.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.00	100.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.10	102.5	(70.00 - 130.00)

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 (continued)

MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.19	104.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.16	104.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.80	90.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.07	101.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.17	104.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.04	101.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.69	84.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.12	103.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.07	100.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.91	97.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.16	104.0	(70.00 - 130.00)

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MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.93	98.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.14	103.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68020**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0482	96.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0474	94.8	(78.00 - 118.00)	1.7
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0474	94.8	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0496	99.2	(80.00 - 120.00)	4.5

QC Batch #68083**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.9	100.7	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.6	100.4	(90.00 - 110.00)	0.31
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	93.6	97.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	3.8

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68090**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	180	102.9	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

MSD Magnesium, Flame AA 20 19.2 96.0 (85.00 - 115.00) 2.1

QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

QC Batch #68783**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	7.8
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.6	99.6	(70.00 - 130.00)	4.3

QC Batch #68784**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	491	98.2	(85.00 - 115.00)	3.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	557	111.4	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #68785**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	3.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	3.0

QC Batch #68787**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.3	91.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	3.2
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	3.0

QC Batch #69014**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	0.49
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0207	103.5	(85.00 - 115.00)	8.3

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37948 (MW-973-118, MW-973-119, MW-973-65)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

None

Samples requiring dilution (with increased MRL's):

MW-973-65: Calcium, Chloride, Nitrate, Sulfate

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-119

1,1-Dichloroethane was detected in sample ID: MW-973-65

Tetrachloroethylene was detected in sample ID: MW-973-65

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelty (JPL)

Report Summary of positive results, PR37948

Result MDL UNITS

Analyzed 971015209 MW-973-118

Analyzed 971015210 MW-973-119

10/17/97 Chloroform (Trichloromethane) 1.5 .500 UGL

Analyzed 971015211 MW-973-65

10/17/97	1,1-Dichloroethane	0.7	.500	UGL
10/17/97	Tetrachloroethylene (PCE)	2.0	.500	UGL
10/27/97	Alkalinity	200	2.000	MGL
10/30/97	Anion Sum	9.72	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated	244	.001	MGL
11/03/97	Calcium, Flame AA	120	5.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated	0.398	.001	MGL
11/08/97	Cation Sum	10.400	.001	MEQL
10/17/97	Chloride	92	2.000	MGL
10/17/97	Lab pH	7.4	.001	UNIT
11/01/97	Magnesium, Flame AA	37	1.000	MGL
10/17/97	Nitrate-N by IC	8.7	.200	MGL
11/01/97	Potassium, Flame AA	3.6	1.000	MGL
11/01/97	Sodium, Flame AA	30	1.000	MGL
10/16/97	Specific Conductance	970	4.000	UMHO
10/17/97	Sulfate	120	4.000	MGL
10/21/97	Total Dissolved Solid (TDS)	590	10.000	MGL



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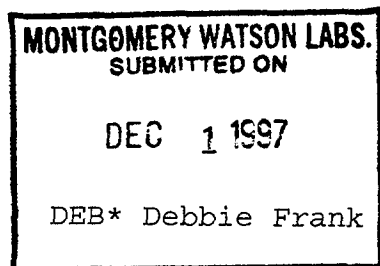
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714) 444-5560



Report#: 37948
JPL

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Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
15-oct-1997 17:02:51

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-118 (971015209)				Sampled on 10/15/97				
Regulated VOCs plus Lists 1&3								
10/17/97	68072	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/17/97	68072	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/17/97	68072	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/17/97	68072	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

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Report
#37948

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-119 (971015210)				Sampled on 10/15/97				
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/16/97	68019	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/17/97	68072	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/17/97	68072	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/17/97	68072	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/17/97	68072	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.5	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	105	% Rec		
MW-973-65 (971015211) Sampled on 10/15/97								
	10/27/97	68301	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	9.72	meq/l	0.0010	1
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68711	(ML/S3111B)	Calcium, Flame AA	120	mg/l	5.0	5
	11/08/97		(ML/SM1040)	Cation Sum	10.400	meq/l	0.0010	1
	10/17/97	67923	(ML/EPA 300)	Chloride	92	mg/l	2.0	2
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.398	mg/l	0.0010	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/16/97	68019	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/16/97		(ML/S2510B)	Specific Conductance	970	umho/cm	4.0	1
11/06/97	11/17/97	69296	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	10/30/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	11/01/97	68702	(ML/S3111B)	Potassium, Flame AA	3.6	mg/l	1.0	1
	11/01/97	68708	(ML/S3111B)	Magnesium, Flame AA	37	mg/l	1.0	1
	11/01/97	68705	(ML/S3111B)	Sodium, Flame AA	30	mg/l	1.0	1
	10/17/97	67925	(ML/EPA 300.0)	Nitrate-N by IC	8.7	mg/l	0.20	2
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/17/97		(ML/SM 4500H)	Lab pH	7.4	Units	0.0010	1
	10/17/97	67926	(ML/EPA 300.0)	Sulfate	120	mg/l	4.0	2
	10/21/97	68266	(ML/S2540C)	Total Dissolved Solid (TDS)	590	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/17/97	68072	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethane	0.7	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/17/97	68072	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/17/97	68072	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/17/97	68072	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.0	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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QC Batch #67923**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.0	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26.0	104.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.5	106.0	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.38

QC Batch #67925**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.74	109.6	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.74	109.6	(90.00 - 110.00)	0.00

QC Batch #67926**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	52.0	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	51.9	103.8	(90.00 - 110.00)	0.19
MBLK	Sulfate	ND				
MS	Sulfate	50	55.3	110.6	(70.00 - 130.00)	
MSD	Sulfate	50	55.1	110.2	(70.00 - 130.00)	0.36

QC Batch #68019**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0504	100.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0496	99.2	(78.00 - 118.00)	1.6
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0469	93.8	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0487	97.4	(80.00 - 120.00)	3.8

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68072**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.14	103.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.59	114.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.39	109.7	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.55	113.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.75	118.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.32	108.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.78	109.7	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	4.06	101.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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LCS1	Bromodichloromethane	4	4.39	109.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.47	111.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.96	99.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.36	109.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.32	108.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.25	106.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.13	103.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.80	90.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.26	106.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.88	97.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.13	103.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.27	106.7	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.07	101.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.64	82.0	(70.00 - 130.00)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
 (continued)

MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.16	104.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.26	103.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.36	109.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.09	102.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.99	99.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.88	97.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68266**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	658	94.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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 Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #68301**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.3	100.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.8	99.6	(90.00 - 110.00)	0.52
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	97.4	101.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.3	102.2	(80.00 - 120.00)	0.92

QC Batch #68702**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.4	107.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	1.4

QC Batch #68705**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.2	96.4	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.9	95.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.7	95.4	(85.00 - 115.00)	0.42

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #68708**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.5	102.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	0.49

QC Batch #68711**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	1.6
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.8	99.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.8	101.6	(85.00 - 115.00)	2.0

QC Batch #68787**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.3	91.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	3.2
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	3.0

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #69222**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0196	98.0	(85.00 - 115.00)	6.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0202	101.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	1.5

QC Batch #69295**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	0.00
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	100	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.1	98.1	(70.00 - 130.00)	1.9

QC Batch #69296**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	478	95.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	489	97.8	(85.00 - 115.00)	2.3
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	515	103.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	521	104.2	(70.00 - 130.00)	1.2

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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Foster Wheeler Environmental, Inc
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QC Batch #69297**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.9	94.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	4.7
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.4	97.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19	95.0	(70.00 - 130.00)	2.1

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 37962 (MW-973-120, MW-973-121, MW-973-71)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

None

Samples requiring dilution (with increased MRL's):

MW-973-71: Chloride, Iron, Nitrate, Sulfate

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-121

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Report Summary of positive results, PR37962

			Result	MDL	UNITS
Analyzed	971016132	MW-973-120			
Analyzed	971016133	MW-973-121			
10/17/97	Chloroform (Trichloromethane)		1.4	.500	UGL
Analyzed	971016134	MW-973-71			
10/30/97	Alkalinity		190	2.000	MGL
11/08/97	Anion Sum		10.3	.001	MEQL
11/19/97	Bicarbonate as HCO ₃ ,calculated		232	.001	MGL
11/05/97	Calcium, Flame AA		105	1.000	MGL
11/19/97	Carbonate as CO ₃ , Calculated		0.301	.001	MGL
11/08/97	Cation Sum		9.820	.001	MEQL
10/17/97	Chloride		98	2.000	MGL
11/17/97	Iron, Total, ICAP/MS		2000	*****	UGL
10/17/97	Lab pH		7.3	.001	UNIT
11/01/97	Magnesium, Flame AA		36	1.000	MGL
10/17/97	Nitrate-N by IC		14	.200	MGL
11/03/97	Perchlorate		7.6	4.000	UGL
11/01/97	Potassium, Flame AA		3.3	1.000	MGL
11/01/97	Sodium, Flame AA		35	1.000	MGL
10/24/97	Specific Conductance		1090	4.000	UMHO
10/17/97	Sulfate		130	4.000	MGL
10/21/97	Total Dissolved Solid (TDS)		600	10.000	MGL



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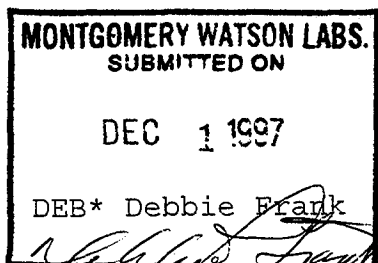
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 37962
JPL

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Report
#37962

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
16-oct-1997 15:17:59

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-120 (971016132)				Sampled on 10/16/97				
Regulated VOCs plus Lists 1&3								
10/17/97	68072	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/17/97	68072	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/17/97	68072	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
10/17/97	68072	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/17/97	68072	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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Report
#37962

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-121 (971016133)				Sampled on 10/16/97				
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/16/97	68022	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/17/97	68072	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/17/97	68072	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/17/97	68072	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/17/97	68072	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/17/97	68072	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	109	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	105	% Rec		
MW-973-71 (971016134) Sampled on 10/16/97								
	10/30/97	68491	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	11/08/97		(ML/SM1040)	Anion Sum	10.3	meq/l	0.0010	1
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	105	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	9.820	meq/l	0.0010	1
	10/17/97	67923	(ML/EPA 300)	Chloride	98	mg/l	2.0	2
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	7.6	ug/l	4.0	1
	11/19/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.301	mg/l	0.0010	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/16/97	68022	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/24/97		(ML/S2510B)	Specific Conductance	1090	umho/cm	4.0	1
11/06/97	11/17/97	69296	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2000	ug/l	1000	10
	11/19/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	232	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	3.3	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	36	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	35	mg/l	1.0	1
	10/17/97	67925	(ML/EPA 300.0)	Nitrate-N by IC	14	mg/l	0.20	2
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/17/97		(ML/SM 4500H)	Lab pH	7.3	Units	0.0010	1
	10/17/97	67926	(ML/EPA 300.0)	Sulfate	130	mg/l	4.0	2
	10/21/97	68264	(ML/S2540C)	Total Dissolved Solid (TDS)	600	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/23/97	68358	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/97	68358	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/97	68358	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/97	68358	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/97	68358	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

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QC Batch #67923**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.0	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26.0	104.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.5	106.0	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.38

QC Batch #67925**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.74	109.6	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.74	109.6	(90.00 - 110.00)	0.00

QC Batch #67926**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	52.0	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	51.9	103.8	(90.00 - 110.00)	0.19
MBLK	Sulfate	ND				
MS	Sulfate	50	55.3	110.6	(70.00 - 130.00)	
MSD	Sulfate	50	55.1	110.2	(70.00 - 130.00)	0.36

QC Batch #68022**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0501	100.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0484	96.8	(78.00 - 118.00)	3.5
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0484	96.8	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0493	98.6	(80.00 - 120.00)	1.8

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68072**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.14	103.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.59	114.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.39	109.7	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.55	113.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.75	118.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.32	108.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.78	109.7	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	4.06	101.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	Bromodichloromethane	4	4.39	109.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.47	111.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.96	99.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.36	109.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.32	108.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.25	106.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.13	103.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.80	90.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.26	106.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.88	97.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.13	103.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.27	106.7	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.07	101.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.64	82.0	(70.00 - 130.00)

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.16	104.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.26	103.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.36	109.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.09	102.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.99	99.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.88	97.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68264**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	670	658	98.2	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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QC Batch #68358**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.03	100.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.75	118.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.89	97.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.64	116.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.97	99.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.72	109.0	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.86	96.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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LCS1	Bromodichloromethane	4	4.27	106.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.67	116.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.66	91.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.28	107.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.45	111.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.31	107.7	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.92	98.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.26	113.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.01	100.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.88	97.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.02	100.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.00	100.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.04	101.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.80	90.0	(70.00 - 130.00)

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Criteria for MS and DUP are not applicable for ICR monitoring.

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.06	101.5	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.95	99.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.85	96.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.92	98.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.35	83.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.14	103.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #68491**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.4	101.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.1	100.9	(90.00 - 110.00)	0.31
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	97.2	101.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.0	101.9	(80.00 - 120.00)	0.82

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.2	96.0	(85.00 - 115.00)	2.1

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QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

QC Batch #68787**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.3	91.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	3.2
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	3.0

QC Batch #69222**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0196	98.0	(85.00 - 115.00)	6.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0202	101.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	1.5

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #69295**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	0.00
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	100	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.1	98.1	(70.00 - 130.00)	1.9

QC Batch #69296**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	478	95.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	489	97.8	(85.00 - 115.00)	2.3
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	515	103.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	521	104.2	(70.00 - 130.00)	1.2

QC Batch #69297**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.9	94.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	4.7
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.4	97.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19	95.0	(70.00 - 130.00)	2.1

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.



MONTGOMERY WATSON LABORATORIES

December 5, 1997

Foster Wheeler Environmental
611 Anton Blvd Suite 800
Costa Mesa, CA.92626

Attention: Mark Cutler

Re: Report # 38087 (MW-973-122, MW-973-123, MW-973-72, MW-973-73, MW-973-74)

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. A detailed quality control (QC) summary follows :

Non-conformance (LCS,MS/MSD, Surrogates, and Holding Times):

(VOC) MW-973-73: Surrogate, 1,2-DCAd4, recovered above MWL QC limits, repeatedly. BFB, the QAPP required surrogate, as well as Toluene-d4 are within acceptance limits. No QIR generated.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Chloroform was detected in sample ID: MW-973-123

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Report Summary of positive results, PR38087

			Result	MDL	UNITS

Analyzed	971021179	MW-973-122			

Analyzed	971021180	MW-973-123			

10/25/97	Chloroform (Trichloromethane)		1.2	.500	UGL

Analyzed	971021181	MW-973-72			

10/27/97	Alkalinity		140	2.000	MGL
10/30/97	Anion Sum		4.43	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated		171	.001	MGL
11/05/97	Calcium, Flame AA		45	1.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated		0.557	.001	MGL
11/08/97	Cation Sum		4.630	.001	MEQL
10/23/97	Chloride		24	1.000	MGL
11/17/97	Iron, Total, ICAP/MS		4400	*****	UGL
10/22/97	Lab pH		7.7	.001	UNIT
11/01/97	Magnesium, Flame AA		14	1.000	MGL
10/23/97	Nitrate-N by IC		9.3	.100	MGL
11/01/97	Potassium, Flame AA		2.1	1.000	MGL
11/01/97	Sodium, Flame AA		27	1.000	MGL
10/24/97	Specific Conductance		495	4.000	UMHO
10/23/97	Sulfate		14	2.000	MGL
10/24/97	Total Dissolved Solid (TDS)		280	10.000	MGL

Analyzed	971021182	MW-973-73			

10/27/97	Alkalinity		130	2.000	MGL
10/30/97	Anion Sum		3.50	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated		158	.001	MGL
11/05/97	Calcium, Flame AA		33	1.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated		0.515	.001	MGL
11/08/97	Cation Sum		3.700	.001	MEQL
10/23/97	Chloride		13	1.000	MGL
11/17/97	Iron, Total, ICAP/MS		570	*****	UGL
10/22/97	Lab pH		7.7	.001	UNIT
11/01/97	Magnesium, Flame AA		10	1.000	MGL
10/23/97	Nitrate-N by IC		5.1	.100	MGL
11/01/97	Potassium, Flame AA		2.2	1.000	MGL
11/01/97	Sodium, Flame AA		27	1.000	MGL
10/24/97	Specific Conductance		390	4.000	UMHO
10/23/97	Sulfate		7.9	2.000	MGL
10/24/97	Total Dissolved Solid (TDS)		220	10.000	MGL

Analyzed	971021183	MW-973-74			

10/27/97	Alkalinity		160	2.000	MGL
10/30/97	Anion Sum		5.79	.001	MEQL
10/30/97	Bicarbonate as HCO ₃ ,calculated		192	.001	MGL
11/05/97	Calcium, Flame AA		22	1.000	MGL
10/30/97	Carbonate as CO ₃ , Calculated		7.87	.001	MGL
11/08/97	Cation Sum		5.840	.001	MEQL
10/23/97	Chloride		40	1.000	MGL
11/17/97	Iron, Total, ICAP/MS		400	*****	UGL
10/22/97	Lab pH		8.8	.001	UNIT

11/01/97	Magnesium, Flame AA	6.1	1.000	MGL
11/01/97	Potassium, Flame AA	4.1	1.000	MGL
11/01/97	Sodium, Flame AA	95	1.000	MGL
10/24/97	Specific Conductance	635	4.000	UMHO
10/23/97	Sulfate	70	2.000	MGL
10/24/97	Total Dissolved Solid (TDS)	360	10.000	MGL



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Laboratory Report

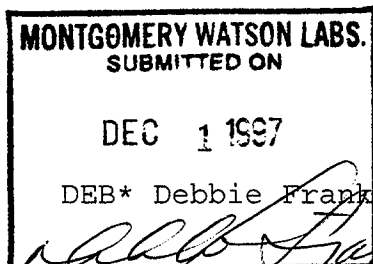
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

Attention: Mark Cutler
Fax: (714)444-5560



Report#: 38087
JPL

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Laboratory
Report
#38087

Foster Wheeler Environmental, Inc
Mark Cutler
611 Anton Boulevard
Suite 800
Costa Mesa , CA 92626

Samples Received
21-oct-1997 17:07:27

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-122 (971021179)				Sampled on 10/21/97				
Regulated VOCs plus Lists 1&3								
10/23/97	68358	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
10/23/97	68358	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
10/23/97	68358	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
10/23/97	68358	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Laboratory
Report
#38087

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/97	68358	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

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Laboratory
Report
#38087

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-123 (971021180) Sampled on 10/21/97								
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/21/97	68024	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	10/25/97	68361	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/97	68361	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/97	68361	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Laboratory
Report
#38087

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/97	68361	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.2	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		

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 818 568 6400; Fax: 818 568 6324;
 1 800 566 LABS (1 800 566 5227)

Laboratory
 Report
 #38087

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	108	% Rec		
MW-973-72 (971021181) Sampled on 10/21/97								
	10/27/97	68301	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	4.43	meq/l	0.0010	1
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	45	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	4.630	meq/l	0.0010	1
	10/23/97	68174	(ML/EPA 300)	Chloride	24	mg/l	1.0	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.557	mg/l	0.0010	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/21/97	68024	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/24/97		(ML/S2510B)	Specific Conductance	495	umho/cm	4.0	1
11/06/97	11/17/97	69296	(EPA/ML 200.8)	Iron, Total, ICAP/MS	4400	ug/l	500	5
	10/30/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	171	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	2.1	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1
	10/23/97	68176	(ML/EPA 300.0)	Nitrate-N by IC	9.3	mg/l	0.10	1
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/22/97		(ML/SM 4500H)	Lab pH	7.7	Units	0.0010	1
	10/23/97	68178	(ML/EPA 300.0)	Sulfate	14	mg/l	2.0	1
	10/24/97	68230	(ML/S2540C)	Total Dissolved Solid (TDS)	280	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/25/97	68361	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/97	68361	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/97	68361	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/97	68361	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/97	68361	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

MW-973-73 (971021182) Sampled on 10/21/97

	10/27/97	68301	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	3.50	meq/l	0.0010	1
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	33	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	3.700	meq/l	0.0010	1
	10/23/97	68174	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.515	mg/l	0.0010	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/21/97	68024	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/24/97		(ML/S2510B)	Specific Conductance	390	umho/cm	4.0	1
11/06/97	11/17/97	69296	(EPA/ML 200.8)	Iron, Total, ICAP/MS	570	ug/l	100	1
	10/30/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	10	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/97	68176	(ML/EPA 300.0)	Nitrate-N by IC	5.1	mg/l	0.10	1
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/22/97		(ML/SM 4500H)	Lab pH	7.7	Units	0.0010	1
	10/23/97	68178	(ML/EPA 300.0)	Sulfate	7.9	mg/l	2.0	1
	10/24/97	68230	(ML/S2540C)	Total Dissolved Solid (TDS)	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/25/97	68361	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/97	68361	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/97	68361	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/97	68361	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/97	68361	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	128	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	109	% Rec		

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-973-74 (971021183)				Sampled on 10/21/97				
	10/27/97	68301	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	10/30/97		(ML/SM1040)	Anion Sum	5.79	meq/l	0.0010	1
11/06/97	11/14/97	69222	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/05/97	68713	(ML/S3111B)	Calcium, Flame AA	22	mg/l	1.0	1
	11/08/97		(ML/SM1040)	Cation Sum	5.840	meq/l	0.0010	1
	10/23/97	68174	(ML/EPA 300)	Chloride	40	mg/l	1.0	1
	11/03/97	68787	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	10/30/97		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	7.87	mg/l	0.0010	1
11/06/97	11/17/97	69295	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/21/97	68024	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	10/24/97		(ML/S2510B)	Specific Conductance	635	umho/cm	4.0	1
11/06/97	11/17/97	69296	(EPA/ML 200.8)	Iron, Total, ICAP/MS	400	ug/l	100	1
	10/30/97		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	192	mg/l	0.0010	1
	11/01/97	68704	(ML/S3111B)	Potassium, Flame AA	4.1	mg/l	1.0	1
	11/01/97	68710	(ML/S3111B)	Magnesium, Flame AA	6.1	mg/l	1.0	1
	11/01/97	68707	(ML/S3111B)	Sodium, Flame AA	95	mg/l	1.0	1
	10/23/97	68176	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
11/06/97	11/17/97	69297	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/22/97		(ML/SM 4500H)	Lab pH	8.8	Units	0.0010	1
	10/23/97	68178	(ML/EPA 300.0)	Sulfate	70	mg/l	2.0	1
	10/24/97	68230	(ML/S2540C)	Total Dissolved Solid (TDS)	360	mg/l	10	1

Regulated VOCs plus Lists 1&3

10/23/97	68358	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
10/23/97	68358	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/97	68358	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/97	68358	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/97	68358	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/97	68358	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/97	68358	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		



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(524) Sample 971021182 was analyzed twice and 1,2-Dichloro-ethane-d4 recovered above QC limit both times.

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QC Batch #68024**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0481	96.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0490	98.0	(78.00 - 118.00)	1.9
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0515	103.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0465	93.0	(80.00 - 120.00)	10

QC Batch #68174**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.0	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26.0	104.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.9	107.6	(80.00 - 120.00)	
MSD	Chloride	25	26.9	107.6	(80.00 - 120.00)	0.00

QC Batch #68176**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.43	97.2	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.43	97.2	(90.00 - 110.00)	0.00

QC Batch #68178**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	52.2	104.4	(90.00 - 110.00)	
LCS2	Sulfate	50	52.2	104.4	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	53.8	107.6	(70.00 - 130.00)	
MSD	Sulfate	50	53.8	107.6	(70.00 - 130.00)	0.00

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
Criteria for MS and DUP are not applicable for ICR monitoring.

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QC Batch #68230**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	658	94.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #68301**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.3	100.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.8	99.6	(90.00 - 110.00)	0.52
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	97.4	101.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.3	102.2	(80.00 - 120.00)	0.92

QC Batch #68358**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.03	100.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.75	118.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

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Criteria for MS and DUP are not applicable for ICR monitoring.

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LCS1	1,2,4-Trichlorobenzene	4	3.89	97.2	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.64	116.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.97	99.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.72	109.0	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.86	96.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.27	106.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.67	116.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.66	91.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.28	107.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.45	111.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.31	107.7	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	3.92	98.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.26	113.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.01	100.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.88	97.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.02	100.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.00	100.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.04	101.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.80	90.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.06	101.5	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.95	99.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.85	96.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.92	98.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.35	83.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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MBLK	tert-Butylbenzene	ND				
LCS1	trans-1,2-Dichloroethylene	4	4.14	103.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #68361**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.79	119.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.73	118.3	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.44	111.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.92	123.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.34	108.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	9.44	118.0	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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LCS1	Benzene	4	4.16	104.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.68	117.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.87	121.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.43	110.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.54	113.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.75	118.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.50	112.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.63	115.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.41	110.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.53	126.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.48	112.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.52	113.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.41	110.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.40	110.0	(70.00 - 130.00)

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MBLK	Trichloroethylene (TCE)	ND				
LCS1	Trichlorotrifluoroethane (Freon	4	4.48	112.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon	ND				
LCS1	Vinyl chloride (VC)	2	2.15	107.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.53	113.2	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	m,p-Xylenes	8	9.42	117.8	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
MBLK	o-Chlorotoluene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.42	110.5	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	o-Xylene	4	4.60	115.0	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
MBLK	p-Chlorotoluene	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.21	105.2	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	trans-1,2-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #68704**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.4	107.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.9	109.5	(80.00 - 120.00)	2.3
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	1.4

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QC Batch #68707**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.8	99.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.3	96.6	(90.00 - 110.00)	3.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.7	93.4	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.1	94.2	(85.00 - 115.00)	0.85

QC Batch #68710**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	7.2
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.8	94.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.2	96.0	(85.00 - 115.00)	2.1

QC Batch #68713**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.9	103.8	(90.00 - 110.00)	0.97
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	47.3	94.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	0.63

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QC Batch #68787
Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	18.3	91.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	3.2
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	3.0

QC Batch #69222
Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0196	98.0	(85.00 - 115.00)	6.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0202	101.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	1.5

QC Batch #69295
Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	0.00
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	100	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.1	98.1	(70.00 - 130.00)	1.9

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