


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
#30420

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B)	Specific Conductance	385	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	207	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	37	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	0.9	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	18	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1

Regulated VOCs plus Lists 1&3

11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	1.3	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1

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	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	91	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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QC Batch #56495**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.8	95.2	(90.00 - 110.00)	
LCS2	Chloride	25	23.6	94.4	(90.00 - 110.00)	0.84
MBLK	Chloride	ND				
MS	Chloride	25	25.7	102.8	(80.00 - 120.00)	
MSD	Chloride	25	25.6	102.4	(80.00 - 120.00)	0.39

QC Batch #56500**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.46	98.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.41	96.4	(90.00 - 110.00)	2.1
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.43	97.2	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.42	96.8	(80.00 - 120.00)	0.41

QC Batch #56502**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.6	95.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.4	94.8	(90.00 - 110.00)	0.42
MBLK	Sulfate	ND				
MS	Sulfate	50	50.8	101.6	(70.00 - 130.00)	
MSD	Sulfate	50	50.9	101.8	(70.00 - 130.00)	0.20

QC Batch #56520**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0545	109.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0521	104.2	(78.00 - 118.00)	4.5
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0460	92.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0472	94.4	(80.00 - 120.00)	2.6

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QC Batch #56600**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	6.1
MBLK	Total Dissolved Solids	ND				

QC Batch #56681**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.6	102.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.9	102.8	(90.00 - 110.00)	0.30
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	
MSD	Alkalinity	96.2	99.8	103.7	(80.00 - 120.00)	3.2

QC Batch #56729**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	3.25	81.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.24	81.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.07	76.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.75	93.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.18	104.5	(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	3.10	77.5	(70.00 - 130.00)	

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MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.20	80.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.12	78.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	5.94	74.2	(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	3.38	84.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.26	81.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.44	86.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.29	82.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.08	77.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	2.96	74.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.06	76.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.13	103.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.15	78.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			

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LCS1	Fluorotrichloromethane (Freon1)	2	2.09	104.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.54	88.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.21	80.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.42	85.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.21	80.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.14	78.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.64	91.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.45	72.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.13	78.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	6.61	82.6	(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	3.22	80.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.17	79.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.16	79.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			

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LCS1	trans-1,2-Dichloroethylene	4	3.91	97.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56774**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	4.22	105.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.77	94.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.84	96.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.64	116.0	(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	3.95	98.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.48	93.5	(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	4.47	111.8	(70.00 - 130.00)	
MBLK	Benzene	ND				

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Laboratory
QC Report
#30420

Foster Wheeler Environmental, Inc
(continued)

MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.86	96.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.71	92.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.18	104.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.18	104.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.79	94.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.90	97.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.97	99.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.59	114.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.18	109.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.33	83.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.45	111.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.44	111.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			

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

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Foster Wheeler Environmental, Inc
 (continued)

LCS1	Trichlorotrifluoroethane (Freon	4	4.20	105.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.68	84.0	(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	9.76	122.0	(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	4.06	101.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.27	106.7	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.17	104.2	(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	4.22	105.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56837**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	0.00
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.5	0.417	83.4	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.400	80.0	(70.00 - 130.00)	4.2

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56911**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.5	102.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	2.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	1.4

QC Batch #56912**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.9	101.8	(90.00 - 110.00)	0.99
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.38

QC Batch #56915**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	2.4
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	0.94

QC Batch #56916**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.1	104.2	(90.00 - 110.00)	1.5
MBLK	Calcium, Flame AA	ND				

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MS	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.2	104.4	(80.00 - 120.00)	1.4

QC Batch #57584**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	107	107.0	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.7	97.7	(70.00 - 130.00)	2.3

QC Batch #57585**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	519	103.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	531	106.2	(85.00 - 115.00)	2.3
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	503.	100.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	708.	<u>141.6</u>	(70.00 - 130.00)	34

QC Batch #57586**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.7	103.5	(85.00 - 115.00)	2.4
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	0.00

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #57815**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	4.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	0.00

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

Report Summary of positive results, PR30420

			Result	MDL	UNITS
Analyzed	961106036	MW-962-95			
11/11/96	Data Entry		11/15/96		--
Analyzed	961106037	MW-962-94			
11/12/96	Data Entry		11/19/96		--
Analyzed	961106038	MW-962-60			
11/12/96	1,1-Dichloroethylene		0.7	.500	UGL
11/12/96	1,2-Dichloroethane		0.6	.500	UGL
11/12/96	Carbon Tetrachloride		5.2	.500	UGL
11/12/96	Chloroform (Trichloromethane)		5.0	.500	UGL
11/12/96	Data Entry		11/19/96		--
11/12/96	Trichloroethylene (TCE)		14	.500	UGL
12/05/96	Chromium, Total, ICAP/MS		16	10.000	UGL
Analyzed	961106039	MW-962-58			
11/12/96	Data Entry		11/19/96		--
11/12/96	Alkalinity		150	2.000	MGL
12/06/96	Anion Sum		4.43	.001	MEQL
11/26/96	Bicarbonate as HCO3,calculated		183	.001	MGL
11/14/96	Calcium, Flame AA		41	1.000	MGL
11/27/96	Carbonate as CO3, Calculated		0.945	.001	MGL
12/06/96	Cation Sum		4.64	.001	MEQL
11/08/96	Chloride		23	1.000	MGL
11/08/96	Lab pH		7.9	.001	UNIT
11/14/96	Magnesium, Flame AA		14	1.000	MGL
11/08/96	Nitrate-N by IC		7.7	.100	MGL
11/14/96	Potassium, Flame AA		1.9	1.000	MGL
11/14/96	Sodium, Flame AA		32	1.000	MGL
11/07/96	Specific Conductance		415	4.000	UMHO
11/08/96	Sulfate		11	2.000	MGL
11/11/96	Total Dissolved Solids		260	10.000	MGL
11/18/96	Total phosphorus-P		0.06	.050	MGL
Analyzed	961106040	MW-962-59			
11/12/96	1,1-Dichloroethylene		0.8	.500	UGL
11/12/96	1,2-Dichloroethane		0.6	.500	UGL
11/12/96	Carbon Tetrachloride		5.3	.500	UGL
11/12/96	Chloroform (Trichloromethane)		5.4	.500	UGL
11/12/96	Data Entry		11/19/96		--
11/12/96	Trichloroethylene (TCE)		15	.500	UGL
11/12/96	Alkalinity		150	2.000	MGL
12/06/96	Anion Sum		6.16	.001	MEQL
11/26/96	Bicarbonate as HCO3,calculated		183	.001	MGL
11/14/96	Calcium, Flame AA		60	1.000	MGL
11/27/96	Carbonate as CO3, Calculated		0.188	.001	MGL
12/06/96	Cation Sum		6.25	.001	MEQL
11/08/96	Chloride		46	2.000	MGL
12/05/96	Chromium, Total, ICAP/MS		14	10.000	UGL
12/05/96	Iron, Total, ICAP/MS		4300	*****	UGL
11/08/96	Lab pH		7.2	.001	UNIT

11/14/96	Magnesium, Flame AA	25	1.000	MGL
11/08/96	Nitrate-N by IC	7.7	.200	MGL
11/14/96	Potassium, Flame AA	2.4	1.000	MGL
11/14/96	Sodium, Flame AA	26	1.000	MGL
11/07/96	Specific Conductance	585	4.000	UMHO
11/08/96	Sulfate	63	4.000	MGL
11/11/96	Total Dissolved Solids	380	10.000	MGL
11/18/96	Total phosphorus-P	0.06	.050	MGL

Analyzed 961106041 MW-962-61

11/12/96	Data Entry	11/19/96		--
11/12/96	Alkalinity	125	2.000	MGL
12/06/96	Anion Sum	3.58	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated	152	.001	MGL
11/14/96	Calcium, Flame AA	36	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	0.197	.001	MGL
12/06/96	Cation Sum	3.68	.001	MEQL
11/08/96	Chloride	14	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	920	*****	UGL
11/08/96	Lab pH	7.3	.001	UNIT
11/14/96	Magnesium, Flame AA	13	1.000	MGL
11/08/96	Nitrate-N by IC	1.1	.100	MGL
11/14/96	Potassium, Flame AA	2.6	1.000	MGL
11/14/96	Sodium, Flame AA	17	1.000	MGL
11/07/96	Specific Conductance	335	4.000	UMHO
11/08/96	Sulfate	29	2.000	MGL
11/11/96	Total Dissolved Solids	220	10.000	MGL

Analyzed 961106042 MW-962-36

11/12/96	Carbon Tetrachloride	1.3	.500	UGL
11/12/96	Data Entry	11/19/96		--
11/12/96	Alkalinity	170	2.000	MGL
12/06/96	Anion Sum	4.18	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated	207	.001	MGL
11/14/96	Calcium, Flame AA	39	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	1.07	.001	MGL
12/06/96	Cation Sum	4.52	.001	MEQL
11/08/96	Chloride	12	1.000	MGL
11/08/96	Lab pH	7.9	.001	UNIT
11/14/96	Magnesium, Flame AA	11	1.000	MGL
11/08/96	Nitrate-N by IC	0.9	.100	MGL
11/14/96	Potassium, Flame AA	2.2	1.000	MGL
11/14/96	Sodium, Flame AA	37	1.000	MGL
11/12/96	Specific Conductance	385	4.000	UMHO
11/08/96	Sulfate	18	2.000	MGL
11/11/96	Total Dissolved Solids	260	10.000	MGL



MONTGOMERY WATSON LABORATORIES

December 30, 1996

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

Attention: Mark Cutler

Re: Report # 30481 (MW-962-97; 96; 37; 39; 38; 38MS and MSD)

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):

All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Iron was recovered high in one MSD, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):

Sample -39 was diluted for anions.

Method blanks with compounds detected:

None.

Other Comments:

Acetone was detected as a TIC at low levels. Tributyl tin was analyzed in sample-96 by TOXSCAN. No TBT was detected. Sample -38 was used as an MS and MSD for volatiles.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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Madison Division
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Quality Environmental Analysis



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Laboratory Report

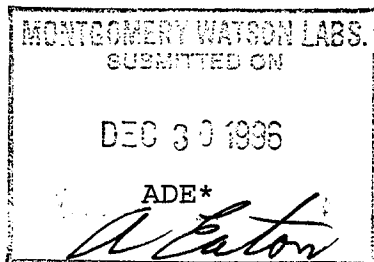
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30481
JPL

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**Laboratory
Report
#30481**

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

Samples Received
07-nov-1996 15:58:40

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-97 (961107098)				Sampled on 11/07/96				
Regulated VOCs plus Lists 1&3								
11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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Laboratory
Report
#30481

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.9	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	109	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-96 (961107099)			Sampled on 11/07/96					
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/20/96		()	GC Custom Analysis	See attach	NA	0.0000	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(EPA 524.2)	Acetone	2.3	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
MW-962-37 (961107100) Sampled on 11/07/96								
	11/12/96	56681	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.76	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	50	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.79	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.923	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B)	Specific Conductance	435	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	180	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	225	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	29	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	290	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	5.1	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	115	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-962-39 (961107101) Sampled on 11/07/96

	11/12/96	56681	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.95	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	50	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	5.23	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	13	mg/l	2.0	2
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.733	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/20/96		()	GC Custom Analysis	See attach	NA	0.0000	1
	11/12/96		(ML/S2510B)	Specific Conductance	465	umho/cm	4.0	1



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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	490	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	225	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	1.8	mg/l	0.20	2
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	36	mg/l	4.0	2
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	290	mg/l	10	1

Regulated VOCs plus Lists 1&3

11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	1.5	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.6	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	0.5	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(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	88	% Rec		
			(Surrogate)	4-Bromofluorobenzene	111	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-38 (961107102) Sampled on 11/07/96								
	11/12/96	56681	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.62	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	46	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.78	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.38	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B)	Specific Conductance	425	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	350	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	16	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	0.7	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	8.0	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	31	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	280	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	3.8	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

MW-962-38 MS (961107103)

Sampled on 11/07/96

Regulated VOCs plus Lists 1&3

11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	4.49	ug/l	0.50	1

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**Laboratory
Report
#30481**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.82	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.05	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	4.12	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	4.50	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	4.22	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.94	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1

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 #30481**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.52	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	4.49	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-962-38 MSD (961107104)

Sampled on 11/07/96

Regulated VOCs plus Lists 1&3

11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	5.01	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.72	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.21	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	4.21	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	4.61	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	3.96	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.02	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	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
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.42	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	4.45	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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Comments
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Group Comments

Results for tributyltin submitted by ToxScan.

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Laboratory
QC Report
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Foster Wheeler Environmental, Inc

QC Batch #56495**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.8	95.2	(90.00 - 110.00)	
LCS2	Chloride	25	23.6	94.4	(90.00 - 110.00)	0.84
MBLK	Chloride	ND				
MS	Chloride	25	25.7	102.8	(80.00 - 120.00)	
MSD	Chloride	25	25.6	102.4	(80.00 - 120.00)	0.39

QC Batch #56500**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.46	98.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.41	96.4	(90.00 - 110.00)	2.1
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.43	97.2	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.42	96.8	(80.00 - 120.00)	0.41

QC Batch #56502**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.6	95.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.4	94.8	(90.00 - 110.00)	0.42
MBLK	Sulfate	ND				
MS	Sulfate	50	50.8	101.6	(70.00 - 130.00)	
MSD	Sulfate	50	50.9	101.8	(70.00 - 130.00)	0.20

QC Batch #56520**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0545	109.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0521	104.2	(78.00 - 118.00)	4.5
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0460	92.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0472	94.4	(80.00 - 120.00)	2.6

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

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QC Batch #56681**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.6	102.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.9	102.8	(90.00 - 110.00)	0.30
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	
MSD	Alkalinity	96.2	99.8	103.7	(80.00 - 120.00)	3.2

QC Batch #56774**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	4.22	105.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.77	94.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.84	96.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.64	116.0	(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	3.95	98.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.48	93.5	(70.00 - 130.00)	

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

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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	4.47	111.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.86	96.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.71	92.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.18	104.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.18	104.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.79	94.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.90	97.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.97	99.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.59	114.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.18	109.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.33	83.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.32	108.0	(70.00 - 130.00)

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

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
QC Report
#30481

Foster Wheeler Environmental, Inc
(continued)

MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.45	111.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.44	111.0	(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	4.20	105.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.68	84.0	(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	9.76	122.0	(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	4.06	101.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.27	106.7	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.17	104.2	(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	4.22	105.5	(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.

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Laboratory
QC Report
#30481

Foster Wheeler Environmental, Inc
(continued)

QC Batch #56775**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	11
MBLK	Total Dissolved Solids	ND				

QC Batch #56837**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	0.00
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.5	0.417	83.4	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.400	80.0	(70.00 - 130.00)	4.2

QC Batch #56911**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.5	102.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	2.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	1.4

QC Batch #56912**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.9	101.8	(90.00 - 110.00)	0.99
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.38

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#30481

Foster Wheeler Environmental, Inc
(continued)

QC Batch #56915**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	2.4
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	0.94

QC Batch #56916**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.1	104.2	(90.00 - 110.00)	1.5
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.2	104.4	(80.00 - 120.00)	1.4

QC Batch #57584**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	107	107.0	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.7	97.7	(70.00 - 130.00)	2.3

QC Batch #57585**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	519	103.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	531	106.2	(85.00 - 115.00)	2.3
MBLK	Iron, Total, ICAP/MS	ND		0.0		

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Foster Wheeler Environmental, Inc
(continued)

MS	Iron, Total, ICAP/MS	500	503.	100.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	708.	<u>141.6</u>	(70.00 - 130.00)	34

QC Batch #57586**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.7	103.5	(85.00 - 115.00)	2.4
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	0.00

QC Batch #57815**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	4.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	0.00

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

Report Summary of positive results, PR30481

			Result	MDL	UNITS
Analyzed	961107098	MW-962-97			
11/12/96	Data Entry		11/19/96		--
Analyzed	961107099	MW-962-96			
11/12/96	Data Entry		11/19/96		--
11/20/96	GC Custom Analysis		See attach		NA
Analyzed	961107100	MW-962-37			
11/12/96	Carbon Tetrachloride		5.1	.500	UGL
11/12/96	Chloroform (Trichloromethane)		1.4	.500	UGL
11/12/96	Data Entry		11/19/96		--
11/12/96	Alkalinity		185	2.000	MGL
12/06/96	Anion Sum		4.76	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated		225	.001	MGL
11/14/96	Calcium, Flame AA		50	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.923	.001	MGL
12/06/96	Cation Sum		4.79	.001	MEQL
11/08/96	Chloride		13	1.000	MGL
12/05/96	Iron, Total, ICAP/MS		180	*****	UGL
11/08/96	Lab pH		7.8	.001	UNIT
11/14/96	Magnesium, Flame AA		15	1.000	MGL
11/08/96	Nitrate-N by IC		1.2	.100	MGL
11/14/96	Potassium, Flame AA		2.3	1.000	MGL
11/14/96	Sodium, Flame AA		23	1.000	MGL
11/12/96	Specific Conductance		435	4.000	UMHO
11/08/96	Sulfate		29	2.000	MGL
11/13/96	Total Dissolved Solids		290	10.000	MGL
Analyzed	961107101	MW-962-39			
11/12/96	Carbon Tetrachloride		1.5	.500	UGL
11/12/96	Data Entry		11/19/96		--
11/12/96	Trichloroethylene (TCE)		0.6	.500	UGL
11/12/96	Trichlorotrifluoroethane (Freon)		0.5	.500	UGL
11/12/96	Alkalinity		185	2.000	MGL
12/06/96	Anion Sum		4.95	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated		225	.001	MGL
11/14/96	Calcium, Flame AA		50	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.733	.001	MGL
12/06/96	Cation Sum		5.23	.001	MEQL
11/08/96	Chloride		13	2.000	MGL
11/20/96	GC Custom Analysis		See attach		NA
12/05/96	Iron, Total, ICAP/MS		490	*****	UGL
11/08/96	Lab pH		7.7	.001	UNIT
11/14/96	Magnesium, Flame AA		19	1.000	MGL
11/08/96	Nitrate-N by IC		1.8	.200	MGL
11/14/96	Potassium, Flame AA		3.2	1.000	MGL
11/14/96	Sodium, Flame AA		25	1.000	MGL
11/12/96	Specific Conductance		465	4.000	UMHO
11/08/96	Sulfate		36	4.000	MGL
11/13/96	Total Dissolved Solids		290	10.000	MGL
Analyzed	961107102	MW-962-38			

11/12/96	Carbon Tetrachloride	3.8	.500	UGL
11/12/96	Chloroform (Trichloromethane)	1.3	.500	UGL
11/12/96	Data Entry	11/19/96		--
11/12/96	Alkalinity	175	2.000	MGL
12/06/96	Anion Sum	4.62	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ , calculated	213	.001	MGL
11/14/96	Calcium, Flame AA	46	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	1.38	.001	MGL
12/06/96	Cation Sum	4.78	.001	MEQL
11/08/96	Chloride	15	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	350	*****	UGL
11/08/96	Lab pH	8.0	.001	UNIT
11/14/96	Magnesium, Flame AA	16	1.000	MGL
11/08/96	Nitrate-N by IC	0.7	.100	MGL
11/14/96	Potassium, Flame AA	2.9	1.000	MGL
11/14/96	Sodium, Flame AA	25	1.000	MGL
11/12/96	Specific Conductance	425	4.000	UMHO
11/08/96	Sulfate	31	2.000	MGL
11/13/96	Total Dissolved Solids	280	10.000	MGL

Analyzed 961107103 MW-962-38 MS

11/12/96	1,1-Dichloroethylene	4.49	.500	UGL
11/12/96	1,2,4-Trichlorobenzene	3.82	.500	UGL
11/12/96	Benzene	4.50	.500	UGL
11/12/96	Chlorobenzene	4.22	.500	UGL
11/12/96	Chloroform (Trichloromethane)	3.94	.500	UGL
11/12/96	Data Entry	11/19/96		--
11/12/96	Toluene	4.49	.500	UGL
11/12/96	Trichloroethylene (TCE)	4.52	.500	UGL
11/12/96	p-Chlorotoluene	4.12	.500	UGL
11/12/96	p-Dichlorobenzene (1,4-DCB)	4.05	.500	UGL

Analyzed 961107104 MW-962-38 MSD

11/12/96	1,1-Dichloroethylene	5.01	.500	UGL
11/12/96	1,2,4-Trichlorobenzene	3.72	.500	UGL
11/12/96	Benzene	4.61	.500	UGL
11/12/96	Chlorobenzene	3.96	.500	UGL
11/12/96	Chloroform (Trichloromethane)	4.02	.500	UGL
11/12/96	Data Entry	11/19/96		--
11/12/96	Toluene	4.45	.500	UGL
11/12/96	Trichloroethylene (TCE)	4.42	.500	UGL
11/12/96	p-Chlorotoluene	4.21	.500	UGL
11/12/96	p-Dichlorobenzene (1,4-DCB)	4.21	.500	UGL



SUB LAB QUOTE #

11/11/96
Date

P.O.# Sub-826

MWL GROUP # 30481

SUB LAB: ToxScan

42 Hangar Way

Watsonville, CA 95076-2404

(408) 724-4522 Fax: (408) 724-3188

SUB LAB CONTACT

Please provide results by **Mail** **Fax** **Telephone**

Karen King

[illegible]

TOTAL BILLABLE SAMPLES

SPECIAL REQUIREMENTS:

RELINQUISHED BY Martin DeMesa

DATE: 11/11/96

RECEIVED BY: _____

DATE:



November 25, 1996

ToxScan Number: T-14115

Montgomery Laboratories
555 E. Walnut Street
Pasadena, CA 91109-7009

Attn: Karen King

PROJECT NAME: None
PROJECT NUMBER: 30481
DATE SAMPLED: November 7, 1996
DATE RECEIVED: November 12, 1996
MATRIX: Liquid

Please find the enclosed test results for the parameter requested for analysis. The samples were analyzed within holding time using the following method:

Tributyltin by Gas Chromatograph with Flame Photometric Detector

The samples were received intact and were handled with the proper chain-of-custody procedures. Appropriate QA/QC guidelines were employed during the analyses on a minimum of a 5% basis. QC results were within limits and are reported with or following the data for each analysis.

If you have any questions or require any additional information, please feel free to call.

Sincerely,

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Laboratories
Method: GC/FPD¹
Date Extracted: November 18, 1996
Date Completed: November 20, 1996
Matrix: Liquid
Units: ng/L (pptr)

ToxScan Number: T-14115

Client Sample ID:	MW-962-96	MW-962-39	Reporting
ToxScan Lab ID:	<u>T-14115-01-A</u>	<u>T-14115-02-A</u>	<u>Limits</u>

Analyte

Tributyltin	ND	ND	5
TPT SUR (% recovery)	115	82	NA

Quality Control Report:

<u>Analyte</u>	<u>Blank</u>	<u>Blank Spike % Recovery</u>	<u>Matrix Spike² % Recovery</u>	<u>Matrix Spike² Duplicate % Recovery</u>
Tributyltin	ND	84	130	90
TPT SUR (% recovery)	90	96	102	111

1 Quantitative chemical analysis for tributyltin by pentyl derivatization using a Gas Chromatograph with a Flame Photometric Detector.

TPT SUR = Tripropyltin surrogate

Spike of Sample T-14115-01-B

ND = None Detected

NA = Not Applicable



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30493 (MW-962-99; 98; 43; 44; 45;)

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):

All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Iron was recovered high in one MSD, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None.

Other Comments:

Acetone was detected as a TIC at low levels.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
Fax: 608 231 4777

Quality Environmental Analysis



MONTGOMERY WATSON LABORATORIES

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Laboratory Report

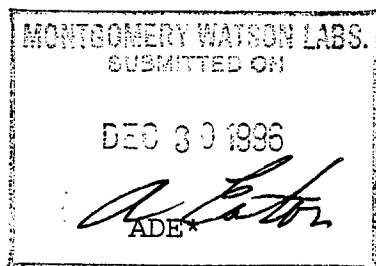
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30493
JPL

**MONTGOMERY WATSON LABORATORIES**

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Pasadena, California 91101
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1 800 566 LABS (1 800 566 5227)

**Laboratory
Report
#30493**

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

Samples Received
08-nov-1996 15:29:22

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-99 (961108073)				Sampled on 11/08/96				
Regulated VOCs plus Lists 1&3								
11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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**Laboratory
 Report
 #30493**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.1	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	111	% Rec		


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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-98 (961108074)				Sampled on 11/08/96				
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/08/96	56521	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.5	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	108	% Rec		
			(Surrogate	) Toluene-d8	98	% Rec		
MW-962-43 (961108075) Sampled on 11/08/96								
	11/12/96	56681	(ML/S2320B	) Alkalinity	130	mg/l	2.0	1
	12/06/96		(ML/SM1040	) Anion Sum	3.23	meq/l	0.0010	1
12/04/96	12/26/96	57843	(S3113B/E200.9	) Arsenic, Total, GF	0.005	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B	) Calcium, Flame AA	26	mg/l	1.0	1
	12/06/96		(ML/SM1040	) Cation Sum	3.57	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300	) Chloride	9.7	mg/l	1.0	1
	11/27/96		(ML/S2320-B	) Carbonate as CO3, Calculated	1.63	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/08/96	56521	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B	) Specific Conductance	300	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8	) Iron, Total, ICAP/MS	540	ug/l	100	1
	11/26/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B	) Potassium, Flame AA	1.3	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B	) Magnesium, Flame AA	2.4	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B	) Sodium, Flame AA	47	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0	) Nitrate-N by IC	ND	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/12/96		(ML/S4500H-B	) Lab pH	8.2	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300	) Sulfate	17	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2	) Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	57090	(ML/S2540C	) Total Dissolved Solids	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/13/96	56721	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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 1 800 566 LABS (1 800 566 5227)

**Laboratory
 Report
 #30493**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.1	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-962-44 (961108076) Sampled on 11/08/96

	11/12/96	56681	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	3.82	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	36	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.10	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	10	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.94	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/08/96	56521	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B)	Specific Conductance	340	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	980	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	188	mg/l	0.0010	1

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**Laboratory
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 #30493**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/12/96		(ML/S4500H-B)	Lab pH	8.2	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	21	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	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
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(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	115	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-45 (961108077) Sampled on 11/08/96								
	11/12/96	56681	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.21	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	40	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.51	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	2.67	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/08/96	56521	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B)	Specific Conductance	375	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	200	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	206	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	28	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/12/96		(ML/S4500H-B)	Lab pH	8.3	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	24	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(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	110	% Rec		
			(Surrogate	Toluene-d8	98	% Rec		

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QC Batch #56495**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.8	95.2	(90.00 - 110.00)	
LCS2	Chloride	25	23.6	94.4	(90.00 - 110.00)	0.84
MBLK	Chloride	ND				
MS	Chloride	25	25.7	102.8	(80.00 - 120.00)	
MSD	Chloride	25	25.6	102.4	(80.00 - 120.00)	0.39

QC Batch #56500**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.46	98.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.41	96.4	(90.00 - 110.00)	2.1
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.43	97.2	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.42	96.8	(80.00 - 120.00)	0.41

QC Batch #56502**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.6	95.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.4	94.8	(90.00 - 110.00)	0.42
MBLK	Sulfate	ND				
MS	Sulfate	50	50.8	101.6	(70.00 - 130.00)	
MSD	Sulfate	50	50.9	101.8	(70.00 - 130.00)	0.20

QC Batch #56521**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0501	100.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0513	102.6	(78.00 - 118.00)	2.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0513	102.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0489	97.8	(80.00 - 120.00)	4.8

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QC Batch #56681**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.6	102.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.9	102.8	(90.00 - 110.00)	0.30
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	
MSD	Alkalinity	96.2	99.8	103.7	(80.00 - 120.00)	3.2

QC Batch #56721**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	4.30	107.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.03	100.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.22	105.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.55	113.8	(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	4.01	100.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.36	104.5	(70.00 - 130.00)	

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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	4.51	112.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.24	106.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.26	106.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.39	109.7	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.19	104.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.13	103.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.18	104.5	(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	4.44	111.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.37	118.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.01	100.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.28	107.0	(70.00 - 130.00)

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MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.54	113.5	(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	4.26	106.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.73	93.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.57	78.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.22	105.5	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.22	115.3	(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	4.16	104.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.07	101.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.07	101.8	(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	4.35	108.7	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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QC Batch #56775**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	11
MBLK	Total Dissolved Solids	ND				

QC Batch #56837**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	0.00
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.5	0.417	83.4	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.400	80.0	(70.00 - 130.00)	4.2

QC Batch #56911**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.5	102.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	2.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	1.4

QC Batch #56912**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.9	101.8	(90.00 - 110.00)	0.99
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.38

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QC Batch #56915**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	2.4
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	0.94

QC Batch #56916**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.1	104.2	(90.00 - 110.00)	1.5
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.2	104.4	(80.00 - 120.00)	1.4

QC Batch #57090**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	11
MBLK	Total Dissolved Solids	ND				

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

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QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

QC Batch #57584**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	107	107.0	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.7	97.7	(70.00 - 130.00)	2.3

QC Batch #57585**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	519	103.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	531	106.2	(85.00 - 115.00)	2.3
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	503.	100.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	708.	<u>141.6</u>	(70.00 - 130.00)	34

QC Batch #57586**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.7	103.5	(85.00 - 115.00)	2.4
MBLK	Lead, Total, ICAP/MS	ND		0.0		

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MS	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	0.00

QC Batch #57815**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	4.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	0.00

QC Batch #57843**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	4.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	0.00

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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Report Summary of positive results, PR30493

			Result	MDL	UNITS
Analyzed	961108073	MW-962-99			
11/13/96	Data Entry		11/15/96		--
Analyzed	961108074	MW-962-98			
11/13/96	Data Entry		11/15/96		--
Analyzed	961108075	MW-962-43			
11/13/96	Data Entry		11/15/96		--
11/12/96	Alkalinity		130	2.000	MGL
12/06/96	Anion Sum		3.23	.001	MEQL
12/26/96	Arsenic, Total, GF		0.005	.005	MGL
11/26/96	Bicarbonate as HCO ₃ ,calculated		158	.001	MGL
11/14/96	Calcium, Flame AA		26	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		1.63	.001	MGL
12/06/96	Cation Sum		3.57	.001	MEQL
11/08/96	Chloride		9.7	1.000	MGL
12/05/96	Iron, Total, ICAP/MS		540	*****	UGL
11/12/96	Lab pH		8.2	.001	UNIT
11/14/96	Magnesium, Flame AA		2.4	1.000	MGL
11/14/96	Potassium, Flame AA		1.3	1.000	MGL
11/14/96	Sodium, Flame AA		47	1.000	MGL
11/12/96	Specific Conductance		300	4.000	UMHO
11/08/96	Sulfate		17	2.000	MGL
11/13/96	Total Dissolved Solids		210	10.000	MGL
Analyzed	961108076	MW-962-44			
11/13/96	Data Entry		11/15/96		--
11/12/96	Alkalinity		155	2.000	MGL
12/06/96	Anion Sum		3.82	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated		188	.001	MGL
11/14/96	Calcium, Flame AA		36	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		1.94	.001	MGL
12/06/96	Cation Sum		4.10	.001	MEQL
11/08/96	Chloride		10	1.000	MGL
12/05/96	Iron, Total, ICAP/MS		980	*****	UGL
11/12/96	Lab pH		8.2	.001	UNIT
11/14/96	Magnesium, Flame AA		14	1.000	MGL
11/14/96	Potassium, Flame AA		2.3	1.000	MGL
11/14/96	Sodium, Flame AA		25	1.000	MGL
11/12/96	Specific Conductance		340	4.000	UMHO
11/08/96	Sulfate		21	2.000	MGL
11/13/96	Total Dissolved Solids		220	10.000	MGL
Analyzed	961108077	MW-962-45			
11/13/96	Chloroform (Trichloromethane)		1.4	.500	UGL
11/13/96	Data Entry		11/15/96		--
11/12/96	Alkalinity		170	2.000	MGL
12/06/96	Anion Sum		4.21	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated		206	.001	MGL
11/14/96	Calcium, Flame AA		40	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		2.67	.001	MGL

12/06/96	Cation Sum	4.51	.001	MEQL
11/08/96	Chloride	11	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	200	*****	UGL
11/12/96	Lab pH	8.3	.001	UNIT
11/14/96	Magnesium, Flame AA	15	1.000	MGL
11/14/96	Potassium, Flame AA	2.4	1.000	MGL
11/14/96	Sodium, Flame AA	28	1.000	MGL
11/12/96	Specific Conductance	375	4.000	UMHO
11/08/96	Sulfate	24	2.000	MGL
11/13/96	Total Dissolved Solids	240	10.000	MGL
11/18/96	Total phosphorus-P	0.05	.050	MGL



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30537 (MW-962-101; 100; 46; 47; 62; 63)

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):

All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Anions were analyzed without a closing LCS because of autosampler jamming. Iron was recovered high in one MSD, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):

-47 was diluted for anions.

Method blanks with compounds detected:

None.

Other Comments:

Acetone was detected as a TIC at low levels, as was carbon disulfide. Carbon Tetrachloride was detected above the MCL.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
Fax: 608 231 4777

Quality Environmental Analysis



MONTGOMERY WATSON LABORATORIES

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Laboratory Report

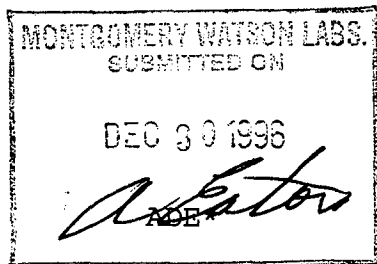
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30537
JPL

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**Laboratory
Report
#30537**

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

Samples Received
11-nov-1996 15:29:09

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-101 (961111039)			Sampled on 11/11/96					
Regulated VOCs plus Lists 1&3								
11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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**Laboratory
 Report
 #30537**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.2	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		

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**Laboratory
Report
#30537**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	98	% Rec		
MW-962-100 (961111040)				Sampled on 11/11/96				
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Laboratory
Report
#30537

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1

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**Laboratory
Report
#30537**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	107	% Rec		
			(Surrogate	) Toluene-d8	99	% Rec		
MW-962-46 (961111041) Sampled on 11/11/96								
	11/14/96	56742	(ML/S2320B	) Alkalinity	170	mg/l	2.0	1
	12/06/96		(ML/SM1040	) Anion Sum	4.55	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B	) Calcium, Flame AA	40	mg/l	1.0	1
	12/06/96		(ML/SM1040	) Cation Sum	4.56	meq/l	0.0010	1
	11/13/96	56820	(ML/EPA 300	) Chloride	14	mg/l	1.0	1
	11/27/96		(ML/S2320-B	) Carbonate as CO3, Calculated	1.69	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B	) Specific Conductance	400	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8	) Iron, Total, ICAP/MS	710	ug/l	100	1
	11/26/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B	) Potassium, Flame AA	3.1	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B	) Magnesium, Flame AA	18	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B	) Sodium, Flame AA	23	mg/l	1.0	1
	11/13/96	56823	(ML/EPA 300.0	) Nitrate-N by IC	0.3	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/12/96		(ML/S4500H-B	) Lab pH	8.1	Units	0.0010	1
	11/13/96	56825	(ML/EPA 300	) Sulfate	35	mg/l	2.0	1
	11/25/96	57088	(ML/EPA 365.2	) Total phosphorus-P	0.10	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C	) Total Dissolved Solids	260	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/13/96	56721	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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#30537

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	1.1	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.2	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(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	109	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-962-47 (961111042) Sampled on 11/11/96

	11/14/96	56742	(ML/S2320B)	Alkalinity	195	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	5.04	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	48	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	5.01	meq/l	0.0010	1
	11/13/96	56820	(ML/EPA 300)	Chloride	14	mg/l	2.0	2
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.94	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B)	Specific Conductance	440	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	210	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	237	mg/l	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	3.3	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	11/13/96	56823	(ML/EPA 300.0)	Nitrate-N by IC	0.2	mg/l	0.20	2
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/12/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	11/13/96	56825	(ML/EPA 300)	Sulfate	35	mg/l	4.0	2
	11/25/96	57088	(ML/EPA 365.2)	Total phosphorus-P	0.37	mg/l	0.050	1
	11/13/96	57090	(ML/S2540C)	Total Dissolved Solids	300	mg/l	10	1

Regulated VOCs plus Lists 1&3

11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	7.1	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.8	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	88	% Rec		
			(Surrogate)	4-Bromofluorobenzene	111	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-62 (961111043) Sampled on 11/11/96								
	11/14/96	56742	(ML/S2320B)	Alkalinity	125	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	2.93	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	0.007	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	5.0	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	3.11	meq/l	0.0010	1
	11/13/96	56820	(ML/EPA 300)	Chloride	8.9	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	9.62	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/12/96		(ML/S2510B)	Specific Conductance	285	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	160	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	148	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	1.2	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	ND	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	65	mg/l	1.0	1
	11/13/96	56823	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/12/96		(ML/S4500H-B)	Lab pH	9.0	Units	0.0010	1
	11/13/96	56825	(ML/EPA 300)	Sulfate	8.7	mg/l	2.0	1
	11/25/96	57088	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	57090	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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**Laboratory
Report
#30537**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	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
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.1	ug/L		1
			(EPA 524.2)	Carbon disulfide	1.2	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	95	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-962-63 (961111044)

Sampled on 11/11/96

	11/14/96	56742	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	3.44	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	16	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	3.56	meq/l	0.0010	1
	11/13/96	56820	(ML/EPA 300)	Chloride	9.4	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	4.37	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1

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 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/15/96		(ML/S2510B)	Specific Conductance	330	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1200	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	169	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.1	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	8.1	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	47	mg/l	1.0	1
	11/13/96	56823	(ML/EPA 300.0)	Nitrate-N by IC	0.3	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/12/96		(ML/S4500H-B)	Lab pH	8.6	Units	0.0010	1
	11/13/96	56825	(ML/EPA 300)	Sulfate	17	mg/l	2.0	1
	11/25/96	57088	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1

Regulated VOCs plus Lists 1&3

11/13/96	56721	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/13/96	56721	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
11/13/96	56721	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/13/96	56721	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/13/96	56721	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/13/96	56721	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56721	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/13/96	56721	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.2	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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Report
Comments
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(961111041)

CL

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

NO3

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

SO4

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

(961111042)

CL

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

NO3

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

SO4

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

(961111043)

CL

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

NO3

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

SO4

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

(961111044)

CL

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

NO3



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No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

SO4

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

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Foster Wheeler Environmental, Inc

QC Batch #56603**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0509	101.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0535	107.0	(78.00 - 118.00)	5.0
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0446	89.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0433	86.6	(80.00 - 120.00)	3.0

QC Batch #56721**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	4.30	107.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.03	100.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.22	105.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.55	113.8	(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	4.01	100.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.36	104.5	(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	4.51	112.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.24	106.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.26	106.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.39	109.7	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.19	104.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.13	103.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.18	104.5	(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	4.44	111.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.37	118.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.01	100.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.28	107.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.54	113.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			

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LCS1	Toluene	4	4.41	110.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.26	106.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.73	93.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.57	78.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.22	105.5	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.22	115.3	(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	4.16	104.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.07	101.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.07	101.8	(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	4.35	108.7	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56742**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				

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MS	Alkalinity	96.2	99.3	103.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.3	102.2	(80.00 - 120.00)	1.0

QC Batch #56775**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	11
MBLK	Total Dissolved Solids	ND				

QC Batch #56820**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.5	98.0	(90.00 - 110.00)	
LCS2	Chloride	25	NA		(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.7	106.8	(80.00 - 120.00)	
MSD	Chloride	25	26.7	106.8	(80.00 - 120.00)	0.00

QC Batch #56823**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	NA		(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.47	98.8	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.47	98.8	(80.00 - 120.00)	0.00

QC Batch #56825**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	48.7	97.4	(90.00 - 110.00)	
LCS2	Sulfate	50	NA		(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				

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MS	Sulfate	50	50.3	100.6	(70.00 - 130.00)	
MSD	Sulfate	50	50.3	100.6	(70.00 - 130.00)	0.00

QC Batch #56911**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.5	102.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	2.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	1.4

QC Batch #56912**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.9	101.8	(90.00 - 110.00)	0.99
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.38

QC Batch #56915**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	2.4
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	0.94

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QC Batch #56916**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.1	104.2	(90.00 - 110.00)	1.5
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.2	104.4	(80.00 - 120.00)	1.4

QC Batch #57088**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	0.00
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.420	105.0	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.404	101.0	(70.00 - 130.00)	3.9

QC Batch #57090**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	11
MBLK	Total Dissolved Solids	ND				

QC Batch #57185**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	19.7	98.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	19.8	99.0	(80.00 - 120.00)	0.51

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QC Batch #57186**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

QC Batch #57187**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	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.5	105.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	53.4	106.8	(90.00 - 110.00)	1.7
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	48.4	96.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	49.3	98.6	(80.00 - 120.00)	1.8

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

QC Batch #57523**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	562	112.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	542	108.4	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	772.	<u>154.4</u>	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	622.	124.4	(70.00 - 130.00)	22

QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

QC Batch #57584**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	107	107.0	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.7	97.7	(70.00 - 130.00)	2.3

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QC Batch #57585**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	519	103.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	531	106.2	(85.00 - 115.00)	2.3
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	503.	100.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	708.	<u>141.6</u>	(70.00 - 130.00)	34

QC Batch #57586**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.7	103.5	(85.00 - 115.00)	2.4
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	0.00

QC Batch #57815**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0199	99.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	4.9
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	0.00

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				

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MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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Report Summary of positive results, PR30537

			Result	MDL	UNITS
Analyzed	961111039	MW-962-101			
11/13/96	Data Entry		11/15/96		--
Analyzed	961111040	MW-962-100			
11/13/96	Data Entry		11/15/96		--
Analyzed	961111041	MW-962-46			
11/13/96	Carbon Tetrachloride		1.1	.500	UGL
11/13/96	Chloroform (Trichloromethane)		1.2	.500	UGL
11/13/96	Data Entry		11/15/96		--
11/14/96	Alkalinity		170	2.000	MGL
12/06/96	Anion Sum		4.55	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated		207	.001	MGL
11/14/96	Calcium, Flame AA		40	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		1.69	.001	MGL
12/06/96	Cation Sum		4.56	.001	MEQL
11/13/96	Chloride		14	1.000	MGL
12/05/96	Iron, Total, ICAP/MS		710	*****	UGL
11/12/96	Lab pH		8.1	.001	UNIT
11/14/96	Magnesium, Flame AA		18	1.000	MGL
11/13/96	Nitrate-N by IC		0.3	.100	MGL
11/14/96	Potassium, Flame AA		3.1	1.000	MGL
11/14/96	Sodium, Flame AA		23	1.000	MGL
11/12/96	Specific Conductance		400	4.000	UMHO
11/13/96	Sulfate		35	2.000	MGL
11/13/96	Total Dissolved Solids		260	10.000	MGL
11/25/96	Total phosphorus-P		0.10	.050	MGL
Analyzed	961111042	MW-962-47			
11/13/96	Data Entry		11/15/96		--
11/13/96	Methyl Tert-butyl ether (MTBE)		7.1	5.000	UGL
11/14/96	Alkalinity		195	2.000	MGL
12/06/96	Anion Sum		5.04	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated		237	.001	MGL
12/03/96	Calcium, Flame AA		48	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		1.94	.001	MGL
12/06/96	Cation Sum		5.01	.001	MEQL
11/13/96	Chloride		14	2.000	MGL
12/05/96	Iron, Total, ICAP/MS		210	*****	UGL
11/12/96	Lab pH		8.1	.001	UNIT
12/03/96	Magnesium, Flame AA		18	1.000	MGL
11/13/96	Nitrate-N by IC		0.2	.200	MGL
12/03/96	Potassium, Flame AA		3.3	1.000	MGL
12/03/96	Sodium, Flame AA		24	1.000	MGL
11/12/96	Specific Conductance		440	4.000	UMHO
11/13/96	Sulfate		35	4.000	MGL
11/13/96	Total Dissolved Solids		300	10.000	MGL
11/25/96	Total phosphorus-P		0.37	.050	MGL
Analyzed	961111043	MW-962-62			
11/13/96	Data Entry		11/15/96		--

11/14/96	Alkalinity	125	2.000	MGL
12/06/96	Anion Sum	2.93	.001	MEQL
12/23/96	Arsenic, Total, GF	0.007	.005	MGL
11/26/96	Bicarbonate as HCO ₃ ,calculated	148	.001	MGL
12/03/96	Calcium, Flame AA	5.0	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	9.62	.001	MGL
12/06/96	Cation Sum	3.11	.001	MEQL
11/13/96	Chloride	8.9	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	160	*****	UGL
11/12/96	Lab pH	9.0	.001	UNIT
12/03/96	Potassium, Flame AA	1.2	1.000	MGL
12/03/96	Sodium, Flame AA	65	1.000	MGL
11/12/96	Specific Conductance	285	4.000	UMHO
11/13/96	Sulfate	8.7	2.000	MGL
11/13/96	Total Dissolved Solids	210	10.000	MGL

Analyzed 961111044 MW-962-63

11/13/96	Data Entry	11/15/96		--
11/14/96	Alkalinity	140	2.000	MGL
12/06/96	Anion Sum	3.44	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated	169	.001	MGL
12/03/96	Calcium, Flame AA	16	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	4.37	.001	MGL
12/06/96	Cation Sum	3.56	.001	MEQL
11/13/96	Chloride	9.4	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	1200	*****	UGL
11/12/96	Lab pH	8.6	.001	UNIT
12/03/96	Magnesium, Flame AA	8.1	1.000	MGL
11/13/96	Nitrate-N by IC	0.3	.100	MGL
12/03/96	Potassium, Flame AA	2.1	1.000	MGL
12/03/96	Sodium, Flame AA	47	1.000	MGL
11/15/96	Specific Conductance	330	4.000	UMHO
11/13/96	Sulfate	17	2.000	MGL
11/13/96	Total Dissolved Solids	210	10.000	MGL



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report #. 30565 (MW-962-103; 102; 64; 64-MS & MSD; 65; 66)

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):

Samples were analyzed after holding time for volatiles (8 days and 9 days after collection) due to instrument problems with the GCMS (ref QIR MS-96-041). Additionally there was no final LCS on the anion samples in this batch due to an autosampler jam (ref QIR-MET-96-21). Iron was recovered high in one MSD, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

Napthalene was detected in the method blank and in several samples. These samples were originally analyzed within holding time but due to an instrument problem the QC was unacceptable. Sample -66 was rerun on 11/21 but one surrogate was recovered high. Napthalene hits should be considered suspect.

Other Comments:

Sample -64 was used for an MS and MSD for volatiles.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
Fax: 608 231 4777

Quality Environmental Analysis

QUALITY INVESTIGATION REPORT

QIR No. MS-96-041
Analysis Date: 11-20-96 Analysis: 52% 2
Extraction Date: NA Matrix: 1
Analyst: COL Instrument ID: GCMSD, GCMSSE

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
961112099	MW-962-103	Foster Wheel	961112103	MW-962-64 MS	Foster
961112100	MW-962-102	↓	961112104	MW-962-65	Wheel
961112101	MW-962-64	↓	961112105	MW-962-66	↓
961112102	MW-962-64 MS	↓			

Brief Description: (include reason for non-compliance)

Missed 7 day HT by 1 day due to
VIA instrument problems.

Action Taken:

Analyzed samples ASAP when instrument
is up.

Impact on Data Quality:

Data Disposition:

Re-run ☐

Re-sample ☐

Original Data Reported ☐

Report Annotated ☒

Other:

Annotation:

Client Contact:

Extraction:

Analyst:

Group Leader:

QA Coordinator:

Project Manager:

Cecilia Loi
Cecilia Loi
Michelle
A. Foster

Date:

Date:

Date:

Date:

Date:

11-21-96
11-21-96
11/22/96
11/21/96

QUALITY INVESTIGATION REPORTAnalysis Date: 11/13/96

Extraction Date: _____

Analyst: BVLQIR No. RIR-1727-76-21Analysis: ANALYSISMatrix: H₂OInstrument ID: 7C**SAMPLES IMPACTED**

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
961111041	HW-762-46	ZNSER14	961112104	HW-762-65	ZNSER14
961111042	HW-762-47	↓	961112105	HW-762-66	↓
961111043	HW-762-12		961112111	WELL 15/145	LAKENED
961111044	HW-762-13				
961112101	HW-762-14				

Brief Description: (include reason for non-compliance)

Autosampler jammed, run aborted.
Only one LCS & one set of 17/1150 available for Q.C.
Final, closing check standard not available.

Action Taken:**Impact on Data Quality:****Data Disposition:**Re-run ☐Re-sample ☐Original Data Reported ☐Report Annotated ☒

Other:

Annotation:Ref QIR - No final standard available due to autosampler jam**Client Contact:****Extraction:****Analyst:****Group Leader:****QA Coordinator:****Project Manager:****Date:****Date:****Date:****Date:****Date:**



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Pasadena, California 91101
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Laboratory Report

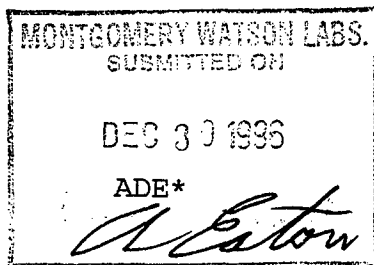
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30565
JPL

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**Laboratory
Report
#30565**

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

Samples Received
12-nov-1996 15:18:20

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-103 (961112099) Sampled on 11/12/96								
Regulated VOCs plus Lists 1&3								
11/20/96	57104	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/20/96	57104	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
11/20/96	57104	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/20/96	57104	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/20/96	57104	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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Laboratory
Report
#30565

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/20/96	57104	(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	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	114	% Rec		

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**Laboratory
Report
#30565**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-102 (961112100)				Sampled on 11/12/96				
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
11/20/96	57104	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
11/20/96	57104	(ML/EPA 524.2)	2-Chloroethylvinylether		ND	ug/l	1.0	1
11/20/96	57104	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
11/20/96	57104	(EPA/SM 524.2)	Benzene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1

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**Laboratory
Report
#30565**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1

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**Laboratory
 Report
 #30565**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	113	% Rec		
			(Surrogate	) Toluene-d8	96	% Rec		
MW-962-64 (961112101) Sampled on 11/12/96								
	11/14/96	56742	(ML/S2320B	) Alkalinity	115	mg/l	2.0	1
	12/06/96		(ML/SM1040	) Anion Sum	3.33	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B	) Calcium, Flame AA	22	mg/l	1.0	1
	12/06/96		(ML/SM1040	) Cation Sum	3.43	meq/l	0.0010	1
	11/13/96	56820	(ML/EPA 300	) Chloride	24	mg/l	1.0	1
	11/27/96		(ML/S2320-B	) Carbonate as CO3, Calculated	2.27	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	11/15/96		(ML/S2510B	) Specific Conductance	330	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8	) Iron, Total, ICAP/MS	410	ug/l	100	1
	11/26/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	139	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B	) Potassium, Flame AA	2.8	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B	) Magnesium, Flame AA	8.4	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B	) Sodium, Flame AA	36	mg/l	1.0	1
	11/13/96	56823	(ML/EPA 300.0	) Nitrate-N by IC	ND	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/14/96		(ML/S4500H-B	) Lab pH	8.4	Units	0.0010	1
	11/13/96	56825	(ML/EPA 300	) Sulfate	17	mg/l	2.0	1
	11/25/96	57088	(ML/EPA 365.2	) Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C	) Total Dissolved Solids	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/20/96	57104	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/20/96	57104	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/20/96	57104	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/20/96	57104	(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	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-962-64 MS (961112102)

Sampled on 11/12/96

Regulated VOCs plus Lists 1&3

11/20/96	57104	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1,1-Trichloroethane	4.26	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethylene	4.74	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.92	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloroethane	4.55	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.13	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/20/96	57104	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Chlorotoluene	3.92	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/20/96	57104	(EPA/SM 524.2)	Benzene	4.52	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorobenzene	4.00	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Carbon Tetrachloride	4.59	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.36	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.60	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	4.27	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Vinyl chloride (VC)	2.18	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-962-64 MSD (961112103)

Sampled on 11/12/96

Regulated VOCs plus Lists 1&3

11/21/96	57117	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,1,1-Trichloroethane	4.01	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,1-Dichloroethylene	4.59	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.13	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
11/21/96	57117	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/21/96	57117	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.64	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/21/96	57117	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/21/96	57117	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	p-Chlorotoluene	3.46	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/21/96	57117	(EPA/SM 524.2)	Benzene	4.19	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Chlorobenzene	3.28	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.21	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/21/96	57117	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/21/96	57117	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/21/96	57117	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.06	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Toluene	3.69	ug/l	0.50	1
	11/21/96	57117	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	127	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	91	% Rec		
MW-962-65 (961112104) Sampled on 11/12/96								
	11/14/96	56742	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.42	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	47	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.51	meq/l	0.0010	1
	11/13/96	56820	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.520	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/15/96		(ML/S2510B)	Specific Conductance	430	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	220	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	201	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	16	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	18	mg/l	1.0	1
	11/13/96	56823	(ML/EPA 300.0)	Nitrate-N by IC	0.8	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/14/96		(ML/S4500H-B)	Lab pH	7.6	Units	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56825	(ML/EPA 300)	Sulfate	36	mg/l	2.0	1
	11/25/96	57088	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	270	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/20/96	57104	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/20/96	57104	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/20/96	57104	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.7	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	1.1	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	1.9	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/20/96	57104	(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	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-66 (961112105) Sampled on 11/12/96								
	11/14/96	56742	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.17	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	43	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.19	meq/l	0.0010	1
	11/13/96	56820	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.616	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/12/96	56603	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/15/96		(ML/S2510B)	Specific Conductance	390	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	670	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	189	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	17	mg/l	1.0	1
	11/13/96	56823	(ML/EPA 300.0)	Nitrate-N by IC	1.3	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/14/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	11/13/96	56825	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	11/25/96	57088	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/13/96	56775	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/20/96	57104	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(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
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/20/96	57104	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/20/96	57104	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	7.4	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	0.9	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	0.7	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/20/96	57104	(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	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	111	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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Group Comments

(524) Samples analyzed past holding time due to instrument problem. QIR-MS-96-041.

(524) Naphthalene detected above MRL in the method blank analyzed on 11/20/96 and also detected in samples MW-962-104 MW-962-65 and MW-962-66. Samples were analyzed once before 11/20 but failed QC. QIR-MS-96-042.

(961112101)

CL

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

NO3

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

SO4

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

(961112104)

@VOASDWA

1.0ppb naphthalene was detected in the method blank on 11/20/96. QIR-MS-96-042.
This sample was rerun on 11/21/96 but the internal standard areas were low.

CL

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

NO3

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

SO4

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

(961112105)

@VOASDWA

1.0 ppb naphthalene was detected in the method blank on



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11/20/96. QIR-MS-96-042.

Sample was rerun on 11/21/96 but one surrogate failed high.

CL

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

NO3

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

SO4

No final Q.C. available due to autosampler jammed.
QIR-MET-96-21.

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Foster Wheeler Environmental, Inc

QC Batch #56603**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0509	101.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0535	107.0	(78.00 - 118.00)	5.0
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0446	89.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0433	86.6	(80.00 - 120.00)	3.0

QC Batch #56742**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.3	103.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.3	102.2	(80.00 - 120.00)	1.0

QC Batch #56775**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	11
MBLK	Total Dissolved Solids	ND				

QC Batch #56820**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.5	98.0	(90.00 - 110.00)	
LCS2	Chloride	25	NA		(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.7	106.8	(80.00 - 120.00)	
MSD	Chloride	25	26.7	106.8	(80.00 - 120.00)	0.00

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QC Batch #56823**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	NA		(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.47	98.8	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.47	98.8	(80.00 - 120.00)	0.00

QC Batch #56825**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	48.7	97.4	(90.00 - 110.00)	
LCS2	Sulfate	50	NA		(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

QC Batch #57088**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	0.00
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.420	105.0	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.404	101.0	(70.00 - 130.00)	3.9

QC Batch #57104**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	3.89	97.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				

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LCS1	1,1,2,2-Tetrachloroethane	4	3.50	87.5	(70.00 - 130.00)
MBLK	1,1,2,2-Tetrachloroethane	ND			
LCS1	1,1,2-Trichloroethane	4	3.49	87.2	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	3.99	99.8	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.15	103.8	(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	3.53	88.2	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.67	91.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.72	93.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.74	84.2	(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	4.01	100.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.75	93.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.29	82.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.01	100.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			

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LCS1	Chlorodibromomethane	4	3.30	82.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.61	90.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.00	100.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.87	93.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.68	92.0	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND	<u>1.0</u>		
LCS1	Styrene	4	3.70	92.5	(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	3.86	96.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.89	97.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.30	107.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.76	88.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.77	94.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.11	101.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			

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MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.80	95.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.85	96.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.83	95.8	(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	4.10	102.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #57117**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	3.93	98.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.46	86.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.41	110.2	(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	3.73	93.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.99	99.8	(70.00 - 130.00)	

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MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.78	94.5	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.89	86.1	(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	4.18	104.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.92	98.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.68	92.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.30	107.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.62	90.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.24	81.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.84	96.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.30	107.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.06	101.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.21	110.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			

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MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.47	86.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.64	91.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.00	100.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.93	98.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.88	97.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.63	115.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.00	100.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.84	96.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.96	99.5	(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	3.97	99.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.69	92.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.06	101.5	(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	4.22	105.5	(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.

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Laboratory
QC Report
#30565

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57185**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	19.7	98.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	19.8	99.0	(80.00 - 120.00)	0.51

QC Batch #57186**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

QC Batch #57187**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	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.5	105.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	53.4	106.8	(90.00 - 110.00)	1.7
MBLK	Calcium, Flame AA	ND				

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Laboratory
 QC Report
 #30565

Foster Wheeler Environmental, Inc
 (continued)

MS	Calcium, Flame AA	50	48.4	96.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	49.3	98.6	(80.00 - 120.00)	1.8

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

QC Batch #57523**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	562	112.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	542	108.4	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	772.	<u>154.4</u>	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	622.	124.4	(70.00 - 130.00)	22

QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

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

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Laboratory
QC Report
#30565

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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

Report Summary of positive results, PR30565

			Result	MDL	UNITS
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Analyzed	961112099	MW-962-103			
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11/20/96	Data Entry		12/02/96		--
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Analyzed	961112100	MW-962-102			
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11/20/96	Data Entry		12/02/96		--
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Analyzed	961112101	MW-962-64			
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11/20/96	Chloroform (Trichloromethane)	0.7	.500	UGL
11/20/96	Data Entry	12/02/96		--
11/14/96	Alkalinity	115	2.000	MGL
12/06/96	Anion Sum	3.33	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated	139	.001	MGL
12/03/96	Calcium, Flame AA	22	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	2.27	.001	MGL
12/06/96	Cation Sum	3.43	.001	MEQL
11/13/96	Chloride	24	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	410	*****	UGL
11/14/96	Lab pH	8.4	.001	UNIT
12/03/96	Magnesium, Flame AA	8.4	1.000	MGL
12/03/96	Potassium, Flame AA	2.8	1.000	MGL
12/03/96	Sodium, Flame AA	36	1.000	MGL
11/15/96	Specific Conductance	330	4.000	UMHO
11/13/96	Sulfate	17	2.000	MGL
11/13/96	Total Dissolved Solids	210	10.000	MGL

Analyzed	961112102	MW-962-64 MS			
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11/20/96	1,1,1-Trichloroethane	4.26	.500	UGL
11/20/96	1,1-Dichloroethylene	4.74	.500	UGL
11/20/96	1,2,4-Trichlorobenzene	3.92	.500	UGL
11/20/96	1,2-Dichloroethane	4.55	.500	UGL
11/20/96	Benzene	4.52	.500	UGL
11/20/96	Carbon Tetrachloride	4.59	.500	UGL
11/20/96	Chlorobenzene	4.00	.500	UGL
11/20/96	Chloroform (Trichloromethane)	4.36	.500	UGL
11/20/96	Data Entry	12/02/96		--
11/20/96	Toluene	4.27	.500	UGL
11/20/96	Trichloroethylene (TCE)	4.60	.500	UGL
11/20/96	Vinyl chloride (VC)	2.18	.300	UGL
11/20/96	p-Chlorotoluene	3.92	.500	UGL
11/20/96	p-Dichlorobenzene (1,4-DCB)	4.13	.500	UGL

Analyzed	961112103	MW-962-64 MSD			
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11/21/96	1,1,1-Trichloroethane	4.01	.500	UGL
11/21/96	1,1-Dichloroethylene	4.59	.500	UGL
11/21/96	1,2,4-Trichlorobenzene	3.13	.500	UGL
11/21/96	Benzene	4.19	.500	UGL
11/21/96	Chlorobenzene	3.28	.500	UGL
11/21/96	Chloroform (Trichloromethane)	4.21	.500	UGL
11/21/96	Data Entry	12/02/96		--
11/21/96	Toluene	3.69	.500	UGL
11/21/96	Trichloroethylene (TCE)	4.06	.500	UGL

11/21/96	p-Chlorotoluene	3.46	.500	UGL
11/21/96	p-Dichlorobenzene (1,4-DCB)	3.64	.500	UGL
Analyzed	961112104 MW-962-65			
11/20/96	Bromodichloromethane	1.1	.500	UGL
11/20/96	Chloroform (Trichloromethane)	3.7	.500	UGL
11/20/96	Data Entry	12/02/96		--
11/20/96	Naphthalene	1.9	.500	UGL
11/14/96	Alkalinity	165	2.000	MGL
12/06/96	Anion Sum	4.42	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated	201	.001	MGL
12/03/96	Calcium, Flame AA	47	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	0.520	.001	MGL
12/06/96	Cation Sum	4.51	.001	MEQL
11/13/96	Chloride	11	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	220	*****	UGL
11/14/96	Lab pH	7.6	.001	UNIT
12/03/96	Magnesium, Flame AA	16	1.000	MGL
11/13/96	Nitrate-N by IC	0.8	.100	MGL
12/03/96	Potassium, Flame AA	2.5	1.000	MGL
12/03/96	Sodium, Flame AA	18	1.000	MGL
11/15/96	Specific Conductance	430	4.000	UMHO
11/13/96	Sulfate	36	2.000	MGL
11/13/96	Total Dissolved Solids	270	10.000	MGL
Analyzed	961112105 MW-962-66			
11/20/96	Bromodichloromethane	0.9	.500	UGL
11/20/96	Chloroform (Trichloromethane)	7.4	.500	UGL
11/20/96	Data Entry	12/02/96		--
11/20/96	Naphthalene	0.7	.500	UGL
11/14/96	Alkalinity	155	2.000	MGL
12/06/96	Anion Sum	4.17	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated	189	.001	MGL
12/03/96	Calcium, Flame AA	43	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	0.616	.001	MGL
12/06/96	Cation Sum	4.19	.001	MEQL
11/13/96	Chloride	14	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	670	*****	UGL
11/14/96	Lab pH	7.7	.001	UNIT
12/03/96	Magnesium, Flame AA	15	1.000	MGL
11/13/96	Nitrate-N by IC	1.3	.100	MGL
12/03/96	Potassium, Flame AA	2.4	1.000	MGL
12/03/96	Sodium, Flame AA	17	1.000	MGL
11/15/96	Specific Conductance	390	4.000	UMHO
11/13/96	Sulfate	28	2.000	MGL
11/13/96	Total Dissolved Solids	240	10.000	MGL



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30606 (MW-962-104; 54;)

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):

All volatiles samples were analyzed within holding times with acceptable surrogate recoveries. Iron was recovered high in one MSD, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):

Anions were diluted in sample-54

Method blanks with compounds detected:

Napthalene was detected in the method blank and in sample-104..
Napthalene hits should be considered suspect.

Other Comments:

None.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

QUALITY INVESTIGATION REPORT

Analysis Date: November 20, 1996
Extraction Date: NA
Analyst: YOM

QIR No. MS-96-042
Analysis: 524.2
Matrix: WATER
Instrument ID: 6PMSD

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
96112098	MW-962-104	Foster Wheeler			
96112104	MW-962-65	↓			
96112105	MW-962-66	↓			

Brief Description: (include reason for non-compliance)

Naphthalene (1.0ppb) detected in Method BLANK, also in the samples listed above.

Action Taken: Source of naphthalene is still unknown; will be investigated.

- Sample well already run twice, no more sample to run.
- 96112104 & 96112105 - RAN ON 11/21 had NO Naphthalene but IS #3 recovered low and Surrogate #1 was high.

Impact on Data Quality:

Results can be reported flagged.

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

Other:

Annotation:

Client Contact:

Extraction: NA
Analyst: Yelandy Alatorre
Group Leader: Cecilia Sri
QA Coordinator: Melissa
Project Manager: A. Alatorre

Date: NA
Date: 11-25-96
Date: 11-25-96
Date: 11/25/96
Date: 12/2/96



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Laboratory Report

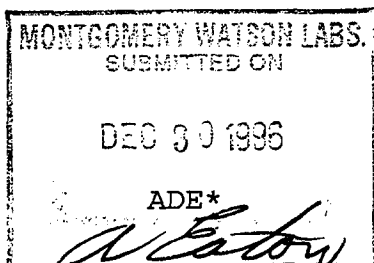
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30606
JPL

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**Laboratory
Report
#30606**

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

Samples Received
13-nov-1996 16:35:08

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-104 (961113098)				Sampled on 11/13/96				
Regulated VOCs plus Lists 1&3								
11/20/96	57104		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/20/96	57104		(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
11/20/96	57104		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
11/20/96	57104		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
11/20/96	57104		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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**Laboratory
 Report
 #30606**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	0.6	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/20/96	57104	(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	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	116	% Rec		

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**Laboratory
 Report
 #30606**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-54 (961113099)				Sampled on 11/13/96				
	11/14/96	56742	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	6.71	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	65	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	6.23	meq/l	0.0010	1
	11/15/96	56789	(ML/EPA 300)	Chloride	61	mg/l	2.0	2
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.201	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	11	ug/l	10	1
	11/13/96	56692	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/19/96		(ML/S2510B)	Specific Conductance	685	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	160	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	1.8	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	23	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	11/15/96	56793	(ML/EPA 300.0)	Nitrate-N by IC	7.0	mg/l	0.20	2
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/14/96		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	11/15/96	56795	(ML/EPA 300)	Sulfate	62	mg/l	4.0	2
	11/25/96	57088	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	11/17/96	56839	(ML/S2540C)	Total Dissolved Solids	410	mg/l	10	1
				Regulated VOCs plus Lists 1&3				
	11/20/96	57104	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	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
	11/20/96	57104	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/20/96	57104	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/20/96	57104	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/20/96	57104	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/20/96	57104	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/20/96	57104	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/20/96	57104	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/20/96	57104	(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	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	114	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		



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(961113098)

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1.0 ppb naphthalene detected in the method blank.
QIR-MS-96-042.

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Foster Wheeler Environmental, Inc

QC Batch #56692**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0509	101.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0522	104.4	(78.00 - 118.00)	2.5
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0534	106.8	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0547	109.4	(80.00 - 120.00)	2.4

QC Batch #56742**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.2	102.1	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.3	103.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.3	102.2	(80.00 - 120.00)	1.0

QC Batch #56789**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.7	94.8	(90.00 - 110.00)	
LCS2	Chloride	25	24.1	96.4	(90.00 - 110.00)	1.7
MBLK	Chloride	ND				
MS	Chloride	25	27.0	108.0	(80.00 - 120.00)	
MSD	Chloride	25	26.9	107.6	(80.00 - 120.00)	0.37

QC Batch #56793**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.42	96.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.49	99.6	(90.00 - 110.00)	2.9
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.65	106.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.66	106.4	(80.00 - 120.00)	0.38

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QC Batch #56795**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	46.6	93.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.6	95.2	(90.00 - 110.00)	2.1
MBLK	Sulfate	ND				
MS	Sulfate	50	53.7	107.4	(70.00 - 130.00)	
MSD	Sulfate	50	53.9	107.8	(70.00 - 130.00)	0.37

QC Batch #56839**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	1.2
MBLK	Total Dissolved Solids	ND				

QC Batch #57088**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	0.00
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.420	105.0	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.404	101.0	(70.00 - 130.00)	3.9

QC Batch #57104**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	3.89	97.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				

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LCS1	1,1,2-Trichloroethane	4	3.49	87.2	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	3.99	99.8	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.15	103.8	(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	3.53	88.2	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.67	91.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.72	93.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.74	84.2	(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	4.01	100.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.75	93.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.29	82.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.01	100.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.30	82.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			

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MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.61	90.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.00	100.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.87	93.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.68	92.0	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND	<u>1.0</u>		
LCS1	Styrene	4	3.70	92.5	(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	3.86	96.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.89	97.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.30	107.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.76	88.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.77	94.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.11	101.4	(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			

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

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
QC Report
#30606

Foster Wheeler Environmental, Inc
(continued)

LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.80	95.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.85	96.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.83	95.8	(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	4.10	102.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #57185**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	19.7	98.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	19.8	99.0	(80.00 - 120.00)	0.51

QC Batch #57186**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

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

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Laboratory
QC Report
#30606

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57187**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	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.5	105.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	53.4	106.8	(90.00 - 110.00)	1.7
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	48.4	96.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	49.3	98.6	(80.00 - 120.00)	1.8

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

QC Batch #57523**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	562	112.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	542	108.4	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		

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

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

MS	Iron, Total, ICAP/MS	500	772.	<u>154.4</u>	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	622.	124.4	(70.00 - 130.00)	22

QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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

Report Summary of positive results, PR30606

			Result	MDL	UNITS
Analyzed	961113098	MW-962-104			
11/20/96	Data Entry		12/02/96		--
11/20/96	Naphthalene		0.6	.500	UGL
Analyzed	961113099	MW-962-54			
11/20/96	Data Entry		12/02/96		--
11/14/96	Alkalinity		160	2.000	MGL
12/06/96	Anion Sum		6.71	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated		195	.001	MGL
12/03/96	Calcium, Flame AA		65	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.201	.001	MGL
12/06/96	Cation Sum		6.23	.001	MEQL
11/15/96	Chloride		61	2.000	MGL
12/05/96	Chromium, Total, ICAP/MS		11	10.000	UGL
12/05/96	Iron, Total, ICAP/MS		160	*****	UGL
11/14/96	Lab pH		7.2	.001	UNIT
12/03/96	Magnesium, Flame AA		23	1.000	MGL
11/15/96	Nitrate-N by IC		7.0	.200	MGL
12/03/96	Potassium, Flame AA		1.8	1.000	MGL
12/03/96	Sodium, Flame AA		24	1.000	MGL
11/19/96	Specific Conductance		685	4.000	UMHO
11/15/96	Sulfate		62	4.000	MGL
11/17/96	Total Dissolved Solids		410	10.000	MGL
11/25/96	Total phosphorus-P		0.07	.050	MGL



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30684 (MW-962-105; 48; 49; 200; 52; 52-MS and MSD)

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):

All volatiles samples were analyzed within holding time with acceptable surrogate recoveries. Iron was recovered high in one MSD, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):

Sample-52 was analyzed neat and diluted to quantify carbon tetrachloride and TCE. Anions and calcium were diluted in sample -48.

Method blanks with compounds detected:

Acetone and 1,1-Difluoroethane were detected as TICs and in the method blank.

Other Comments:

None.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
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Quality Environmental Analysis



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Laboratory Report

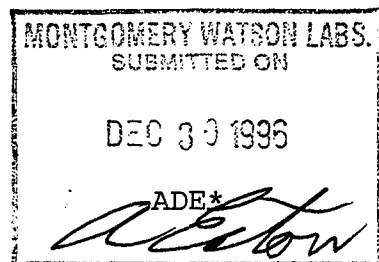
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30684
JPL

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**Laboratory
Report
#30684**

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

Samples Received
18-nov-1996 15:30:30

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-105 (961118083)				Sampled on 11/18/96				
Regulated VOCs plus Lists 1&3								
11/23/96	56940	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/23/96	56940	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
11/23/96	56940	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/23/96	56940	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/23/96	56940	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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**Laboratory
 Report
 #30684**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/96	56940	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	1,1-Difluoroethane	3.9 B	ug/L		1
			(EPA 524.2)	Acetone	3.1 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		

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**Laboratory
 Report
 #30684**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 4-Bromofluorobenzene	107	% Rec		
			(Surrogate	) Toluene-d8	89	% Rec		
MW-962-48 (961118084) Sampled on 11/18/96								
	11/19/96	56870	(ML/S2320B	) Alkalinity	205	mg/l	2.0	1
	12/17/96		(ML/SM1040	) Anion Sum	10.4	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B	) Calcium, Flame AA	110	mg/l	2.0	2
	12/17/96		(ML/SM1040	) Cation Sum	9.84	meq/l	0.0010	1
	11/20/96	56993	(ML/EPA 300	) Chloride	88	mg/l	3.0	3
	11/27/96		(ML/S2320-B	) Carbonate as CO3, Calculated	0.129	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	11	ug/l	10	1
	11/19/96	57575	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	11/19/96		(ML/S2510B	) Specific Conductance	955	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8	) Iron, Total, ICAP/MS	260	ug/l	100	1
	11/26/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	250	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B	) Potassium, Flame AA	3.2	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B	) Magnesium, Flame AA	38	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B	) Sodium, Flame AA	26	mg/l	1.0	1
	11/20/96	56996	(ML/EPA 300.0	) Nitrate-N by IC	15	mg/l	0.30	3
12/05/96	12/05/96	57525	(EPA/ML 200.8	) Lead, Total, ICAP/MS	2.9	ug/l	2.0	1
	11/19/96		(ML/S4500H-B	) Lab pH	6.9	Units	0.0010	1
	11/20/96	56998	(ML/EPA 300	) Sulfate	130	mg/l	6.0	3
	12/02/96	57251	(ML/EPA 365.2	) Total phosphorus-P	ND	mg/l	0.050	1
	11/23/96	57089	(ML/S2540C	) Total Dissolved Solids	600	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/23/96	56940	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,1-Dichloroethane	1.9	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1

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Laboratory
Report
#30684

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/23/96	56940	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/96	56940	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Carbon Tetrachloride	0.6	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.1	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m,p-Xylenes	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
	11/23/96	56940	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.0	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichloroethylene (TCE)	6.6	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	0.8	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.0 B	ug/L		1
			(EPA 524.2)	Unknown scan#350	1.1	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	89	% Rec		

MW-962-49 (961118085) Sampled on 11/18/96

12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	10	ug/l	10	1
	11/19/96	57575	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

Regulated VOCs plus Lists 1&3

11/23/96	56940	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethane	1.9	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/23/96	56940	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/96	56940	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.0	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/96	56940	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.9	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichloroethylene (TCE)	5.9	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	0.7	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.3 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	88	% Rec		

MW-962-200 (961118086) Sampled on 11/18/96

12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/96	57575	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.0	ug/l	2.0	1

Regulated VOCs plus Lists 1&3

11/23/96	56940	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/23/96	56940	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/96	56940	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/96	56940	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	1,1-Difluoroethane	3.5 B	ug/L		1
			(EPA 524.2)	Acetone	3.1 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	89	% Rec		

MW-962-52 (961118087) Sampled on 11/18/96

	11/19/96	56870	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	4.62	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	47	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	4.43	meq/l	0.0010	1
	11/20/96	56993	(ML/EPA 300)	Chloride	20	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.364	mg/l	0.0010	1

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**Laboratory
 Report
 #30684**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	19	ug/l	10	1
	11/19/96	57575	(.ML/SW 7196)	Hexavalent chromium	0.019	mg/l	0.005	1
	11/19/96		(ML/S2510B)	Specific Conductance	420	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	410	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	177	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	18	mg/l	1.0	1
	11/20/96	56996	(ML/EPA 300.0)	Nitrate-N by IC	5.7	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/19/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	11/20/96	56998	(ML/EPA 300)	Sulfate	36	mg/l	2.0	1
	12/02/96	57251	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/23/96	57089	(ML/S2540C)	Total Dissolved Solids	250	mg/l	10	1

Regulated VOCs plus Lists 1&3

11/23/96	56940	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethylene	2.3	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloroethane	0.8	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/23/96	56940	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
11/23/96	56940	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1

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**Laboratory
Report
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(continued)**

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/96	56940	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/25/96	56940	(ML/EPA 524.2)	Carbon Tetrachloride	170	ug/l	5.0	10
	11/23/96	56940	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroform (Trichloromethane)	14	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/96	56940	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.3	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	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
	11/23/96	56940	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/25/96	56940	(ML/EPA 524.2)	Trichloroethylene (TCE)	27	ug/l	5.0	10
	11/23/96	56940	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	7.7	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	1,1-Difluoroethane	4.3 B	ug/L		1
			(EPA 524.2)	Acetone	2.8 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		

MW-962-52 MS (961118088)

Sampled on 11/18/96

Regulated VOCs plus Lists 1&3

11/23/96	56940	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethylene	4.94	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.05	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.02	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
11/23/96	56940	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
11/23/96	56940	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	p-Chlorotoluene	3.86	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/23/96	56940	(EPA/SM 524.2)	Benzene	3.65	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorobenzene	4.09	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.30	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/23/96	56940	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	tert-Butylbenzene	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
	11/23/96	56940	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.23	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Toluene	3.95	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	94	‡ Rec		
			(Surrogate)	4-Bromofluorobenzene	96	‡ Rec		
			(Surrogate)	Toluene-d8	94	‡ Rec		

MW-962-52 MSD (961118089)

Sampled on 11/18/96

Regulated VOCs plus Lists 1&3

11/23/96	56940	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloroethylene	4.87	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.91	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.11	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
11/23/96	56940	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
11/23/96	56940	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	p-Chlorotoluene	4.11	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
11/23/96	56940	(EPA/SM 524.2)	Benzene	3.57	ug/l	0.50	1
11/23/96	56940	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorobenzene	4.19	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.10	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/23/96	56940	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/23/96	56940	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.54	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	56940	(ML/EPA 524.2)	Toluene	3.96	ug/l	0.50	1
	11/23/96	56940	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	92	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

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QC Batch #56870**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	100	104.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	100	104.0	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.0	101.9	(80.00 - 120.00)	
MSD	Alkalinity	96.2	101	105.0	(80.00 - 120.00)	3.0

QC Batch #56940**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	3.85	96.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.67	91.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.72	93.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.80	95.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.39	109.7	(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	3.95	98.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.94	98.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.05	101.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.52	94.0	(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	4.06	101.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.65	91.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.24	106.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.63	90.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.42	85.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.70	92.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.51	112.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.89	97.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.03	101.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.55	113.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.73	93.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.95	98.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			

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LCS1	Toluene	4	3.66	91.5	(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	4.40	110.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.88	94.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.92	98.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.32	104.0	(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	ND		(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.73	93.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.86	96.5	(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	4.58	114.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56993**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.8	95.2	(90.00 - 110.00)	
LCS2	Chloride	25	23.8	95.2	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				

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MS	Chloride	25	26.3	105.2	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.38

QC Batch #56996**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.43	97.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.37	94.8	(90.00 - 110.00)	2.5
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.46	98.4	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.48	99.2	(80.00 - 120.00)	0.81

QC Batch #56998**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	46.8	93.6	(90.00 - 110.00)	
LCS2	Sulfate	50	46.9	93.8	(90.00 - 110.00)	0.21
MBLK	Sulfate	ND				
MS	Sulfate	50	51.3	102.6	(70.00 - 130.00)	
MSD	Sulfate	50	51.4	102.8	(70.00 - 130.00)	0.19

QC Batch #57089**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	4.8
MBLK	Total Dissolved Solids	ND				

QC Batch #57185**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				

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MS	Potassium, Flame AA	20	19.7	98.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	19.8	99.0	(80.00 - 120.00)	0.51

QC Batch #57186**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

QC Batch #57187**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	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.5	105.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	53.4	106.8	(90.00 - 110.00)	1.7
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	48.4	96.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	49.3	98.6	(80.00 - 120.00)	1.8

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QC Batch #57251**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.46	92.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.47	94.0	(80.00 - 120.00)	2.2
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.374	93.5	(70.00 - 130.00)	0.27

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

QC Batch #57523**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	562	112.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	542	108.4	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	772.	<u>154.4</u>	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	622.	124.4	(70.00 - 130.00)	22

QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		

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Laboratory
QC Report
#30684

Foster Wheeler Environmental, Inc
(continued)

MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

QC Batch #57575**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0478	95.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0453	90.6	(78.00 - 118.00)	5.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0528	105.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0503	100.6	(80.00 - 120.00)	4.8

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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

Report Summary of positive results, PR30684

			Result	MDL	UNITS
Analyzed	961118083	MW-962-105			
11/23/96	Data Entry		11/25/96		--
Analyzed	961118084	MW-962-48			
11/23/96	1,1-Dichloroethane		1.9	.500	UGL
11/23/96	Carbon Tetrachloride		0.6	.500	UGL
11/23/96	Chloroform (Trichloromethane)		1.1	.500	UGL
11/23/96	Data Entry		11/25/96		--
11/23/96	Tetrachloroethylene (PCE)		1.0	.500	UGL
11/23/96	Trichloroethylene (TCE)		6.6	.500	UGL
11/23/96	Trichlorotrifluoroethane (Freon)		0.8	.500	UGL
11/19/96	Alkalinity		205	2.000	MGL
12/17/96	Anion Sum		10.4	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ , calculated		250	.001	MGL
12/03/96	Calcium, Flame AA		110	2.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.129	.001	MGL
12/17/96	Cation Sum		9.84	.001	MEQL
11/20/96	Chloride		88	3.000	MGL
12/05/96	Chromium, Total, ICAP/MS		11	10.000	UGL
12/05/96	Iron, Total, ICAP/MS		260	*****	UGL
11/19/96	Lab pH		6.9	.001	UNIT
12/05/96	Lead, Total, ICAP/MS		2.9	2.000	UGL
12/03/96	Magnesium, Flame AA		38	1.000	MGL
11/20/96	Nitrate-N by IC		15	.300	MGL
12/03/96	Potassium, Flame AA		3.2	1.000	MGL
12/03/96	Sodium, Flame AA		26	1.000	MGL
11/19/96	Specific Conductance		955	4.000	UMHO
11/20/96	Sulfate		130	6.000	MGL
11/23/96	Total Dissolved Solids		600	10.000	MGL
Analyzed	961118085	MW-962-49			
11/23/96	1,1-Dichloroethane		1.9	.500	UGL
11/23/96	Chloroform (Trichloromethane)		1.0	.500	UGL
11/23/96	Data Entry		11/25/96		--
11/23/96	Tetrachloroethylene (PCE)		0.9	.500	UGL
11/23/96	Trichloroethylene (TCE)		5.9	.500	UGL
11/23/96	Trichlorotrifluoroethane (Freon)		0.7	.500	UGL
12/05/96	Chromium, Total, ICAP/MS		10	10.000	UGL
Analyzed	961118086	MW-962-200			
11/23/96	Data Entry		11/25/96		--
12/05/96	Lead, Total, ICAP/MS		2.0	2.000	UGL
Analyzed	961118087	MW-962-52			
11/23/96	1,1-Dichloroethylene		2.3	.500	UGL
11/23/96	1,2-Dichloroethane		0.8	.500	UGL
11/25/96	Carbon Tetrachloride		170	5.000	UGL
11/23/96	Chloroform (Trichloromethane)		14	.500	UGL
11/23/96	Data Entry		11/25/96		--
11/23/96	Tetrachloroethylene (PCE)		1.3	.500	UGL
11/25/96	Trichloroethylene (TCE)		27	5.000	UGL

11/23/96	Trichlorotrifluoroethane (Freon	7.7	.500	UGL
11/19/96	Alkalinity	145	2.000	MGL
12/17/96	Anion Sum	4.62	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ , calculated	177	.001	MGL
12/03/96	Calcium, Flame AA	47	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	0.364	.001	MGL
12/17/96	Cation Sum	4.43	.001	MEQL
11/20/96	Chloride	20	1.000	MGL
12/05/96	Chromium, Total, ICAP/MS	19	10.000	UGL
11/19/96	Hexavalent chromium	0.019	.005	MGL
12/05/96	Iron, Total, ICAP/MS	410	*****	UGL
11/19/96	Lab pH	7.5	.001	UNIT
12/03/96	Magnesium, Flame AA	15	1.000	MGL
11/20/96	Nitrate-N by IC	5.7	.100	MGL
12/03/96	Potassium, Flame AA	2.6	1.000	MGL
12/03/96	Sodium, Flame AA	18	1.000	MGL
11/19/96	Specific Conductance	420	4.000	UMHO
11/20/96	Sulfate	36	2.000	MGL
11/23/96	Total Dissolved Solids	250	10.000	MGL

Analyzed 961118088 MW-962-52 MS

11/23/96	1,1-Dichloroethylene	4.94	.500	UGL
11/23/96	1,2,4-Trichlorobenzene	4.05	.500	UGL
11/23/96	Benzene	3.65	.500	UGL
11/23/96	Chlorobenzene	4.09	.500	UGL
11/23/96	Chloroform (Trichloromethane)	3.30	.500	UGL
11/23/96	Data Entry	12/02/96		--
11/23/96	Toluene	3.95	.500	UGL
11/23/96	Trichloroethylene (TCE)	4.23	.500	UGL
11/23/96	p-Chlorotoluene	3.86	.500	UGL
11/23/96	p-Dichlorobenzene (1,4-DCB)	4.02	.500	UGL

Analyzed 961118089 MW-962-52 MSD

11/23/96	1,1-Dichloroethylene	4.87	.500	UGL
11/23/96	1,2,4-Trichlorobenzene	3.91	.500	UGL
11/23/96	Benzene	3.57	.500	UGL
11/23/96	Chlorobenzene	4.19	.500	UGL
11/23/96	Chloroform (Trichloromethane)	3.10	.500	UGL
11/23/96	Data Entry	12/02/96		--
11/23/96	Toluene	3.96	.500	UGL
11/23/96	Trichloroethylene (TCE)	4.54	.500	UGL
11/23/96	p-Chlorotoluene	4.11	.500	UGL
11/23/96	p-Dichlorobenzene (1,4-DCB)	4.11	.500	UGL



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30730 (MW-962-106; 51; 51-MS; 51-MSD; 55;)

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):

Several volatiles samples were analyzed one day past holding times with acceptable surrogate recoveries. Samples were initially analyzed within holding times but due to an autosampler leak all area counts were very low and none of the data were considered useable. The MS and MSD were analyzed within holding time. Iron was recovered high in one MSD, but control is off of the LCS. Alkalinity was detected at the reporting limit in the method blank, however all samples had measured alkalinities at least 50 times the blank so this is considered insignificant.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Acetone was detected as a TIC in several samples. Sample-51 was used as an MS and MSD for volatiles.

Sincerely,


Andrew Eaton, PhD
Laboratory Director

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555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
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Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
Fax: 608 231 4777

Quality Environmental Analysis

QUALITY INVESTIGATION REPORTAnalysis Date: 11-26-96 11-27-96Extraction Date: Analyst: COLQIR No. MS-96-045Analysis: 624Matrix: WaterInstrument ID: GC/MS**SAMPLES IMPACTED**

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
961119165	MW-962-51	Foster			
961119168	MW-962-55	Wheeler			

Brief Description: (include reason for non-compliance)

HT upon 11/26/96

Samples analyzed 1 day past HT. Samples were loaded on autosampler on 11/26/96, but there was apparently a leak in these 2 samples resulting in low ^{internal standard} on 11/26/96. Samples re-run on 11-27-96 past HT.

Action Taken:

Impact on Data Quality:

Data Disposition:

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

Other:

Annotation:

Client Contact:

Annotate

Extraction:

Analyst:

Group Leader:

QA Coordinator:

Project Manager:

Date:

Date: 11-2-96

Date:

Date: 11-2-96

Date:

Date: 12-2-96



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Laboratory Report

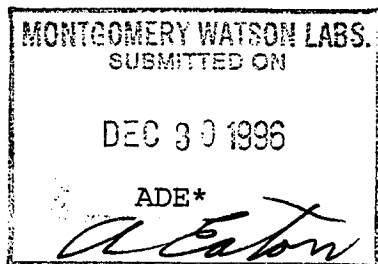
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30730
JPL

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**Laboratory
Report
#30730**

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

Samples Received
19-nov-1996 15:37:34

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-106 (961119164)			Sampled on 11/19/96					
Regulated VOCs plus Lists 1&3								
11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/26/96	57257	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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**Laboratory
 Report
 #30730**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		

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**Laboratory
Report
#30730**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-51 (961119165) Sampled on 11/19/96								
	11/21/96	56922	(ML/S2320B)	Alkalinity	125	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	3.43	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	36	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	3.50	meq/l	0.0010	1
	11/20/96	56993	(ML/EPA 300)	Chloride	9.5	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.157	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/96	57575	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/22/96		(ML/S2510B)	Specific Conductance	320	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	380	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	152	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	15	mg/l	1.0	1
	11/20/96	56996	(ML/EPA 300.0)	Nitrate-N by IC	1.7	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.4	ug/l	2.0	1
	11/19/96		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	11/20/96	56998	(ML/EPA 300)	Sulfate	26	mg/l	2.0	1
	12/02/96	57251	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/23/96	57089	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/27/96	57265	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	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
	11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/27/96	57265	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/27/96	57265	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/27/96	57265	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Carbon Tetrachloride	2.8	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/27/96	57265	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1

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**Laboratory
Report
#30730**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/27/96	57265	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.2	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	0.6	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.7	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

MW-962-51 MS (961119166)

Sampled on 11/19/96

Regulated VOCs plus Lists 1&3

11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	4.46	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.44	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	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
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.28	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	4.07	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/26/96	57257	(EPA/SM 524.2)	Benzene	4.26	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	4.11	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.04	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	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
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.15	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	4.14	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-962-51 MSD (961119167)

Sampled on 11/19/96

Regulated VOCs plus Lists 1&3

11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	4.54	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.30	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
11/26/96	57257	(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
	11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.32	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	4.16	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/26/96	57257	(EPA/SM 524.2)	Benzene	4.27	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	4.31	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.01	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	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
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.34	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	4.26	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		
MW-962-55 (961119168) Sampled on 11/19/96								
	11/21/96	56922	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	3.74	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	38	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	3.61	meq/l	0.0010	1
	11/20/96	56993	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.065	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/96	57575	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/22/96		(ML/S2510B)	Specific Conductance	350	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	160	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	159	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	15	mg/l	1.0	1
	11/20/96	56996	(ML/EPA 300.0)	Nitrate-N by IC	1.7	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.6	ug/l	2.0	1
	11/19/96		(ML/S4500H-B)	Lab pH	6.8	Units	0.0010	1
	11/20/96	56998	(ML/EPA 300)	Sulfate	30	mg/l	2.0	1
	12/02/96	57251	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/23/96	57063	(ML/S2540C)	Total Dissolved Solids	200	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/27/96	57265	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/27/96	57265	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/27/96	57265	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/27/96	57265	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroethane	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
	11/27/96	57265	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/27/96	57265	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/27/96	57265	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/27/96	57265	(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	100	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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Group Comments

(VOA 524.2) Samples analyzed one day 7 day HT. Samples were analyzed on 11/26/96 on autosampler overnight but all area counts were very low. NO usable data can be obtained from 11/26/96 run. QIR-MS-96-045.

(ALK) QIR WC-96-0049: 11/21/96 alkalinity run had a blank that is at 2mg/L. The MRL is 2 mg/L. The blank QC criteria is less than 2mg/L. This blank is artificially high due to the calculation performed on it. The low level calculation was performed 12/2/96 to demonstrate the true blank value. The result using the single point calc: 2.16mg/L. The result using the dual endpoint calc: 0.390 mg/L for the exact same blank. This test demonstrates that the blank of 2.01 by the single point calc is actually negligible. The data is acceptable.

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Foster Wheeler Environmental, Inc

QC Batch #56922**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	100	104.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	1.00
MBLK	Alkalinity	ND	<u>2.0</u>			
MS	Alkalinity	96.2	98.8	102.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.6	102.5	(80.00 - 120.00)	0.20

QC Batch #56993**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.8	95.2	(90.00 - 110.00)	
LCS2	Chloride	25	23.8	95.2	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.3	105.2	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.38

QC Batch #56996**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.43	97.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.37	94.8	(90.00 - 110.00)	2.5
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.46	98.4	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.48	99.2	(80.00 - 120.00)	0.81

QC Batch #56998**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	46.8	93.6	(90.00 - 110.00)	
LCS2	Sulfate	50	46.9	93.8	(90.00 - 110.00)	0.21
MBLK	Sulfate	ND				
MS	Sulfate	50	51.3	102.6	(70.00 - 130.00)	
MSD	Sulfate	50	51.4	102.8	(70.00 - 130.00)	0.19

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Foster Wheeler Environmental, Inc
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QC Batch #57063**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	4.8
MBLK	Total Dissolved Solids	ND				

QC Batch #57089**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	4.8
MBLK	Total Dissolved Solids	ND				

QC Batch #57185**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	19.7	98.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	19.8	99.0	(80.00 - 120.00)	0.51

QC Batch #57186**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

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QC Batch #57187**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	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.5	105.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	53.4	106.8	(90.00 - 110.00)	1.7
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	48.4	96.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	49.3	98.6	(80.00 - 120.00)	1.8

QC Batch #57251**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.46	92.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.47	94.0	(80.00 - 120.00)	2.2
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.374	93.5	(70.00 - 130.00)	0.27

QC Batch #57257**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	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				

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LCS1	1,1,2,2-Tetrachloroethane	4	4.11	102.8	(70.00 - 130.00)
MBLK	1,1,2,2-Tetrachloroethane	ND			
LCS1	1,1,2-Trichloroethane	4	3.98	99.5	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	3.86	96.5	(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	4.10	102.5	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.07	101.8	(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	8.08	101.0	(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	4.08	102.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.00	100.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.04	101.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.01	100.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.88	97.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			

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LCS1	Chlorodibromomethane	4	3.80	95.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.71	92.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.80	95.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.96	99.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.70	85.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.00	75.0	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.00	100.0	(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	3.80	95.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.08	102.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.94	98.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.62	81.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.18	102.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			

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

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Laboratory
 QC Report
 #30730

Foster Wheeler Environmental, Inc
 (continued)

MBLK	n-Propylbenzene	ND				
MBLK	o-Chlorotoluene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.05	101.2	(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	4.00	100.0	(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	4.01	100.2	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #57265**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	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.64	91.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.20	105.0	(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	4.11	102.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.82	95.5	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
(continued)

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	7.46	93.2	(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	3.92	98.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.86	96.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.64	91.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.12	103.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.92	98.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.64	91.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.62	90.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.54	88.5	(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 (Freon1)	2	1.84	92.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	2.90	72.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.11	102.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.03	100.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.87	96.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.95	98.8	(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	1.76	88.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.71	92.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.47	105.9	(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	4.01	100.2	(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	4.02	100.5	(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	4.07	101.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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QC Report
#30730

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

QC Batch #57523**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	562	112.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	542	108.4	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	772.	<u>154.4</u>	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	622.	124.4	(70.00 - 130.00)	22

QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

QC Batch #57575**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0478	95.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0453	90.6	(78.00 - 118.00)	5.4
MBLK	Hexavalent chromium	ND				

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

MS	Hexavalent chromium	0.050	0.0528	105.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0503	100.6	(80.00 - 120.00)	4.8

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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

Report Summary of positive results, PR30730

			Result	MDL	UNITS
Analyzed	961119164	MW-962-106			
11/26/96	Data Entry		12/06/96		--
Analyzed	961119165	MW-962-51			
11/27/96	Carbon Tetrachloride		2.8	.500	UGL
11/27/96	Chloroform (Trichloromethane)		0.6	.500	UGL
11/27/96	Data Entry		12/05/96		--
11/27/96	Trichloroethylene (TCE)		2.2	.500	UGL
11/27/96	Trichlorotrifluoroethane (Freon)		0.6	.500	UGL
11/21/96	Alkalinity		125	2.000	MGL
12/17/96	Anion Sum		3.43	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ , calculated		152	.001	MGL
12/03/96	Calcium, Flame AA		36	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.157	.001	MGL
12/17/96	Cation Sum		3.50	.001	MEQL
11/20/96	Chloride		9.5	1.000	MGL
12/05/96	Iron, Total, ICAP/MS		380	*****	UGL
11/19/96	Lab pH		7.2	.001	UNIT
12/05/96	Lead, Total, ICAP/MS		2.4	2.000	UGL
12/03/96	Magnesium, Flame AA		12	1.000	MGL
11/20/96	Nitrate-N by IC		1.7	.100	MGL
12/03/96	Potassium, Flame AA		2.3	1.000	MGL
12/03/96	Sodium, Flame AA		15	1.000	MGL
11/22/96	Specific Conductance		320	4.000	UMHO
11/20/96	Sulfate		26	2.000	MGL
11/23/96	Total Dissolved Solids		210	10.000	MGL
Analyzed	961119166	MW-962-51 MS			
11/26/96	1,1-Dichloroethylene		4.46	.500	UGL
11/26/96	1,2,4-Trichlorobenzene		4.44	.500	UGL
11/26/96	Benzene		4.26	.500	UGL
11/26/96	Chlorobenzene		4.11	.500	UGL
11/26/96	Chloroform (Trichloromethane)		4.04	.500	UGL
11/26/96	Data Entry		12/05/96		--
11/26/96	Toluene		4.14	.500	UGL
11/26/96	Trichloroethylene (TCE)		4.15	.500	UGL
11/26/96	p-Chlorotoluene		4.07	.500	UGL
11/26/96	p-Dichlorobenzene (1,4-DCB)		4.28	.500	UGL
Analyzed	961119167	MW-962-51 MSD			
11/26/96	1,1-Dichloroethylene		4.54	.500	UGL
11/26/96	1,2,4-Trichlorobenzene		4.30	.500	UGL
11/26/96	Benzene		4.27	.500	UGL
11/26/96	Chlorobenzene		4.31	.500	UGL
11/26/96	Chloroform (Trichloromethane)		4.01	.500	UGL
11/26/96	Data Entry		12/05/96		--
11/26/96	Toluene		4.26	.500	UGL
11/26/96	Trichloroethylene (TCE)		4.34	.500	UGL
11/26/96	p-Chlorotoluene		4.16	.500	UGL
11/26/96	p-Dichlorobenzene (1,4-DCB)		4.32	.500	UGL
Analyzed	961119168	MW-962-55			

11/27/96	Data Entry	12/05/96		--
11/21/96	Alkalinity	130	2.000	MGL
12/17/96	Anion Sum	3.74	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ ,calculated	159	.001	MGL
12/03/96	Calcium, Flame AA	38	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	0.065	.001	MGL
12/17/96	Cation Sum	3.61	.001	MEQL
11/20/96	Chloride	14	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	160	*****	UGL
11/19/96	Lab pH	6.8	.001	UNIT
12/05/96	Lead, Total, ICAP/MS	2.6	2.000	UGL
12/03/96	Magnesium, Flame AA	12	1.000	MGL
11/20/96	Nitrate-N by IC	1.7	.100	MGL
12/03/96	Potassium, Flame AA	2.8	1.000	MGL
12/03/96	Sodium, Flame AA	15	1.000	MGL
11/22/96	Specific Conductance	350	4.000	UMHO
11/20/96	Sulfate	30	2.000	MGL
11/23/96	Total Dissolved Solids	200	10.000	MGL



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30760 (MW-962-108; 107; 34; 35)

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):

All volatiles samples were analyzed within holding times with acceptable surrogate recoveries. Iron was recovered high in one MSD, but control is off of the LCS. Alkalinity was detected at the reporting limit in the method blank, however all samples had measured alkalinities at least 50 times the blank so this is considered insignificant.

Samples requiring dilution (with increased MRL's):

Samples -34 and 35 were diluted for volatiles to quantify carbon tetrachloride, TCE, and chloroform and were also analyzed neat.

Method blanks with compounds detected:

None

Other Comments:

Tributyl tin was analyzed by ToxScan, Inc and was non detected.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Madison Division
1 Science Court
Madison, Wisconsin 53711
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Quality Environmental Analysis



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Laboratory Report

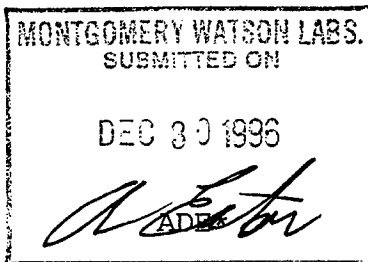
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 30760
JPL

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**Laboratory
 Report
 #30760**

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

Samples Received
 20-nov-1996 15:59:51

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-108 (961120079)				Sampled on 11/20/96				
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/21/96	56899	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	12/03/96		()	GC Custom Analysis	See attach	NA	0.0000	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	7.3	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/26/96	57257	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1

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#30760

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	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
	11/26/96	57257	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.8	ug/l		1
			(EPA 524.2)	Tetrahydrofuran	1.1	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-962-107 (961120080)

Sampled on 11/20/96

Regulated VOCs plus Lists 1&3

11/27/96	57265	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/27/96	57265	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
11/27/96	57265	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
11/27/96	57265	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/27/96	57265	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/27/96	57265	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/27/96	57265	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Toluene	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
	11/27/96	57265	(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	99	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		
MW-962-34 (961120081) Sampled on 11/20/96								
	11/21/96	56922	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	5.11	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	50	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	4.92	meq/l	0.0010	1
	11/22/96	57003	(ML/EPA 300)	Chloride	23	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.339	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	31	ug/l	10	1
	11/21/96	56899	(ML/SW 7196)	Hexavalent chromium	0.028	mg/l	0.005	1
	12/03/96		()	GC Custom Analysis	See attach	NA	0.0000	1
	11/22/96		(ML/S2510B)	Specific Conductance	475	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	260	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	165	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	22	mg/l	1.0	1
	11/22/96	57005	(ML/EPA 300.0)	Nitrate-N by IC	8.6	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	5.4	ug/l	2.0	1
	11/25/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	11/22/96	57021	(ML/EPA 300)	Sulfate	55	mg/l	2.0	1
	12/02/96	57251	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	11/23/96	57089	(ML/S2540C)	Total Dissolved Solids	310	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	1.5	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	1.9	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/26/96	57257	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/27/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	27	ug/l	2.5	5
	11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/27/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	14	ug/l	2.5	5
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	27	ug/l	2.5	5
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	0.6	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/26/96	57257	(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	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	87	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

MW-962-35 (961120082)

Sampled on 11/20/96

12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	30	ug/l	10	1
	11/21/96	56899	(ML/SW 7196)	Hexavalent chromium	0.031	mg/l	0.005	1
	12/03/96		()	GC Custom Analysis	See attach	NA	0.0000	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	4.5	ug/l	2.0	1

Regulated VOCs plus Lists 1&3

11/27/96	57265	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/27/96	57265	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1

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Report
#30760**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/27/96	57265	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloroethylene	1.9	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,3-Trichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloroethane	1.8	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,2-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	2,2-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/27/96	57265	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/27/96	57265	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/27/96	57265	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Carbon Tetrachloride	22	ug/l	2.5	5
	11/27/96	57265	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroform (Trichloromethane)	12	ug/l	2.5	5
	11/27/96	57265	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichloromethane	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
	11/27/96	57265	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/27/96	57265	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/27/96	57265	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Trichloroethylene (TCE)	24	ug/l	2.5	5
	11/27/96	57265	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	0.7	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/27/96	57265	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/27/96	57265	(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	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Group Comments

(ALK) QIR WC-96-0049: The blank for this analytical run is 2mg/L. The QC requirements for the blank are <2mg/L. The blank for this test should be calculated from a two point analysis to verify actual blank reading is <2mg/L. Blanks were analyzed on 12/2/96 on the two point analysis. The single point value for the blank was 2.16mg/L. The two point calculation for the exact same blank was 0.39mg/L. The original data is acceptable. The original blank is negligible.
(CUSTOMGC) Results for tributyltin analysis submitted by ToxScan, Inc.

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Foster Wheeler Environmental, Inc

QC Batch #56899**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0498	99.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0510	102.0	(78.00 - 118.00)	2.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0523	104.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0498	99.6	(80.00 - 120.00)	4.9

QC Batch #56922**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	100	104.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	1.00
MBLK	Alkalinity	ND	<u>2.0</u>			
MS	Alkalinity	96.2	98.8	102.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.6	102.5	(80.00 - 120.00)	0.20

QC Batch #57003**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.3	93.2	(90.00 - 110.00)	
LCS2	Chloride	25	23.5	94.0	(90.00 - 110.00)	0.85
MBLK	Chloride	ND				
MS	Chloride	25	27.0	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27.1	108.4	(80.00 - 120.00)	0.37

QC Batch #57005**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	2.35	94.0	(90.00 - 110.00)	1.3
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.49	99.6	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.51	100.4	(80.00 - 120.00)	0.80

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #57021**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	45.9	91.8	(90.00 - 110.00)	
LCS2	Sulfate	50	46.7	93.4	(90.00 - 110.00)	1.7
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

QC Batch #57089**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	4.8
MBLK	Total Dissolved Solids	ND				

QC Batch #57185**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	19.7	98.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	19.8	99.0	(80.00 - 120.00)	0.51

QC Batch #57186**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

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QC Batch #57187**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	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.5	105.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	53.4	106.8	(90.00 - 110.00)	1.7
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	48.4	96.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	49.3	98.6	(80.00 - 120.00)	1.8

QC Batch #57251**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.46	92.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.47	94.0	(80.00 - 120.00)	2.2
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.374	93.5	(70.00 - 130.00)	0.27

QC Batch #57257**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	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				

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LCS1	1,1,2,2-Tetrachloroethane	4	4.11	102.8	(70.00 - 130.00)
MBLK	1,1,2,2-Tetrachloroethane	ND			
LCS1	1,1,2-Trichloroethane	4	3.98	99.5	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	3.86	96.5	(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	4.10	102.5	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.07	101.8	(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	8.08	101.0	(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	4.08	102.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.00	100.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.04	101.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.01	100.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.88	97.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			

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LCS1	Chlorodibromomethane	4	3.80	95.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.71	92.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.80	95.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.96	99.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.70	85.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.00	75.0	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.00	100.0	(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	3.80	95.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.08	102.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.94	98.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.62	81.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.18	102.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			

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

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Pasadena, California 91101
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Laboratory
QC Report
#30760

Foster Wheeler Environmental, Inc
(continued)

MBLK	n-Propylbenzene	ND				
MBLK	o-Chlorotoluene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.05	101.2	(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	4.00	100.0	(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	4.01	100.2	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #57265**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	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.64	91.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.20	105.0	(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	4.11	102.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.82	95.5	(70.00 - 130.00)	

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

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

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	7.46	93.2	(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	3.92	98.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.86	96.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.64	91.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.12	103.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.92	98.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.64	91.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.62	90.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.54	88.5	(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 (Freon1)	2	1.84	92.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			

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Laboratory
QC Report
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Foster Wheeler Environmental, Inc
(continued)

MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	2.90	72.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.11	102.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.03	100.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.87	96.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.95	98.8	(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	1.76	88.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.71	92.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.47	105.9	(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	4.01	100.2	(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	4.02	100.5	(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	4.07	101.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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Laboratory
QC Report
#30760

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

QC Batch #57523**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	562	112.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	542	108.4	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	772.	<u>154.4</u>	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	622.	124.4	(70.00 - 130.00)	22

QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				

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

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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

Report Summary of positive results, PR30760

		Result	MDL	UNITS
Analyzed	961120079 MW-962-108			
11/26/96	Data Entry	12/05/96		--
12/03/96	GC Custom Analysis	See attach		NA
12/05/96	Lead, Total, ICAP/MS	7.3	2.000	UGL
Analyzed	961120080 MW-962-107			
11/27/96	Data Entry	12/05/96		--
Analyzed	961120081 MW-962-34			
11/26/96	1,1-Dichloroethylene	1.5	.500	UGL
11/26/96	1,2-Dichloroethane	1.9	.500	UGL
11/27/96	Carbon Tetrachloride	27	2.500	UGL
11/27/96	Chloroform (Trichloromethane)	14	2.500	UGL
11/26/96	Data Entry	12/05/96		--
11/27/96	Trichloroethylene (TCE)	27	2.500	UGL
11/26/96	Trichlorotrifluoroethane (Freon	0.6	.500	UGL
11/21/96	Alkalinity	135	2.000	MGL
12/17/96	Anion Sum	5.11	.001	MEQL
11/26/96	Bicarbonate as HCO ₃ , calculated	165	.001	MGL
12/03/96	Calcium, Flame AA	50	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated	0.339	.001	MGL
12/17/96	Cation Sum	4.92	.001	MEQL
11/22/96	Chloride	23	1.000	MGL
12/05/96	Chromium, Total, ICAP/MS	31	10.000	UGL
12/03/96	GC Custom Analysis	See attach		NA
11/21/96	Hexavalent chromium	0.028	.005	MGL
12/05/96	Iron, Total, ICAP/MS	260	*****	UGL
11/25/96	Lab pH	7.5	.001	UNIT
12/05/96	Lead, Total, ICAP/MS	5.4	2.000	UGL
12/03/96	Magnesium, Flame AA	17	1.000	MGL
11/22/96	Nitrate-N by IC	8.6	.100	MGL
12/03/96	Potassium, Flame AA	2.6	1.000	MGL
12/03/96	Sodium, Flame AA	22	1.000	MGL
11/22/96	Specific Conductance	475	4.000	UMHO
11/22/96	Sulfate	55	2.000	MGL
11/23/96	Total Dissolved Solids	310	10.000	MGL
12/02/96	Total phosphorus-P	0.06	.050	MGL
Analyzed	961120082 MW-962-35			
11/27/96	1,1-Dichloroethylene	1.9	.500	UGL
11/27/96	1,2-Dichloroethane	1.8	.500	UGL
11/27/96	Carbon Tetrachloride	22	2.500	UGL
11/27/96	Chloroform (Trichloromethane)	12	2.500	UGL
11/27/96	Data Entry	12/05/96		--
11/27/96	Trichloroethylene (TCE)	24	2.500	UGL
11/27/96	Trichlorotrifluoroethane (Freon	0.7	.500	UGL
12/05/96	Chromium, Total, ICAP/MS	30	10.000	UGL
12/03/96	GC Custom Analysis	See attach		NA
11/21/96	Hexavalent chromium	0.031	.005	MGL
12/05/96	Lead, Total, ICAP/MS	4.5	2.000	UGL



SUB LAB QUOTE #

11/21/96
Date

P.O.# Sub-856

MWL GROUP # 30760

SUB LAB: ToxScan

42 Hangar Way

Watsonville, CA 95076-2404

(408) 724-4522 Fax: (408) 724-3188

SUB LAB CONTACT

Please provide results by ☐ Mail ☐ Fax ☐ Telephone

Karen King

TOTAL BILLABLE SAMPLES

SPECIAL REQUIREMENTS:

RELINQUISHED BY Martin DeMesa

DATE: 11/21/96

RECEIVED BY: _____

DATE: _____



December 9, 1996

ToxScan Number: T-14158

Montgomery Laboratories
555 E. Walnut Street
Pasadena, CA 91109-7009

Attn: Karen King

PROJECT NAME: None
PROJECT NUMBER: 30760
DATE SAMPLED: November 20, 1996
DATE RECEIVED: November 22, 1996
MATRIX: . Liquid

Please find the enclosed test results for the parameter requested for analysis. The samples were analyzed within holding time using the following method:

Tributyltin by Gas Chromatograph with Flame Photometric Detector

The samples were received intact and were handled with the proper chain-of-custody procedures. Appropriate QA/QC guidelines were employed during the analyses on a minimum of a 5% basis. QC results were within limits and are reported with or following the data for each analysis.

If you have any questions or require any additional information, please feel free to call.

Sincerely,

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Laboratories
Method: GC/FPD¹
Date Extracted: November 27, 1996
Date Completed: December 3, 1996
Matrix: Liquid
Units: ng/L (pptr)

ToxScan Number: T-14158

Client Sample ID:	MW-962-108	MW-962-34	Reporting
ToxScan Lab ID:	<u>T-14158-01-A</u>	<u>T-14158-02-A</u>	<u>Limits</u>

Analyte

Tributyltin	ND	ND	2
TPT SUR (% recovery)	68	95	NA

Client Sample ID:	MW-962-35	Reporting
ToxScan Lab ID:	<u>T-14158-03-A</u>	<u>Limits</u>

Analyte

Tributyltin	ND	2
TPT SUR (% recovery)	96	NA

Quality Control Report:

<u>Analyte</u>	<u>Blank</u>	<u>Blank Spike % Recovery</u>	<u>Matrix Spike² % Recovery</u>	<u>Matrix Spike² Duplicate % Recovery</u>
Tributyltin	ND	101	111	107
TPT SUR (% recovery)	108	76	94	95

1 Quantitative chemical analysis for tributyltin by pentyl derivatization using a Gas Chromatograph with a Flame Photometric Detector.

TPT SUR = Tripropyltin surrogate

Spike of Sample T-14158-01-B

ND = None Detected

NA = Not Applicable



MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30795 (MW-962-109; 28; 50; 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):

All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Iron was recovered high in one MS, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None.

Other Comments:

Acetone was detected as a TIC at low levels.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
Fax: 608 231 4777

Quality Environmental Analysis

**MONTGOMERY WATSON LABORATORIES**

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**Laboratory
Report
#30795**

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

Samples Received
21-nov-1996 16:04:46

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-109 (961121106)				Sampled on 11/21/96				
Regulated VOCs plus Lists 1&3								
11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/26/96	57257	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	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
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.1	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	94	% Rec		
MW-962-28 (961121107) Sampled on 11/21/96								
	11/26/96	57064	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	5.54	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	54	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	5.26	meq/l	0.0010	1
	11/22/96	57003	(ML/EPA 300)	Chloride	23	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.301	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/21/96	56899	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/22/96		(ML/S2510B)	Specific Conductance	465	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1
	11/27/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	232	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	11/22/96	57005	(ML/EPA 300.0)	Nitrate-N by IC	1.3	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/25/96		(ML/S4500H-B)	Lab pH	7.3	Units	0.0010	1
	11/22/96	57021	(ML/EPA 300)	Sulfate	48	mg/l	2.0	1
	12/02/96	57251	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/28/96	57335	(ML/S2540C)	Total Dissolved Solids	310	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(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
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/26/96	57257	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.6	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-962-50 (961121108)

Sampled on 11/21/96

	11/26/96	57064	(ML/S2320B)	Alkalinity	215	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	6.10	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	61	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	5.92	meq/l	0.0010	1
	11/22/96	57003	(ML/EPA 300)	Chloride	21	mg/l	2.0	2
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.428	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/21/96	56899	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/22/96		(ML/S2510B)	Specific Conductance	515	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8)	Iron, Total, ICAP/MS	210	ug/l	100	1
	11/27/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	262	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	3.8	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	20	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	12/03/96	57186	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	11/22/96	57005	(ML/EPA 300.0)	Nitrate-N by IC	1.1	mg/l	0.20	2
12/05/96	12/05/96	57525	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/25/96		(ML/S4500H-B)	Lab pH	7.4	Units	0.0010	1
	11/22/96	57021	(ML/EPA 300)	Sulfate	54	mg/l	4.0	2
	12/02/96	57251	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/28/96	57335	(ML/S2540C)	Total Dissolved Solids	350	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/26/96	57257	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/26/96	57257	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1

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**Laboratory
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 #30795**

Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	97	% Rec		
			(Surrogate	) Toluene-d8	96	% Rec		
MW-962-67 (961121109) Sampled on 11/21/96								
	11/26/96	57064	(ML/S2320B	) Alkalinity	170	mg/l	2.0	1
	12/17/96		(ML/SM1040	) Anion Sum	4.57	meq/l	0.0010	1
12/05/96	12/24/96	57845	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B	) Calcium, Flame AA	42	mg/l	1.0	1
	12/17/96		(ML/SM1040	) Cation Sum	4.64	meq/l	0.0010	1
	11/22/96	57003	(ML/EPA 300	) Chloride	13	mg/l	1.0	1
	11/27/96		(ML/S2320-B	) Carbonate as CO3, Calculated	0.849	mg/l	0.0010	1
12/05/96	12/05/96	57521	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/21/96	56899	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	11/22/96		(ML/S2510B	) Specific Conductance	390	umho/cm	4.0	1
12/05/96	12/05/96	57523	(EPA/ML 200.8	) Iron, Total, ICAP/MS	110	ug/l	100	1
	11/27/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B	) Potassium, Flame AA	9.7	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B	) Magnesium, Flame AA	13	mg/l	1.0	1
	12/03/96	57186	(ML/S3111B	) Sodium, Flame AA	28	mg/l	1.0	1
	11/22/96	57005	(ML/EPA 300.0	) Nitrate-N by IC	1.3	mg/l	0.10	1
12/05/96	12/05/96	57525	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/25/96		(ML/S4500H-B	) Lab pH	7.8	Units	0.0010	1
	11/22/96	57021	(ML/EPA 300	) Sulfate	34	mg/l	2.0	1
	12/02/96	57251	(ML/EPA 365.2	) Total phosphorus-P	ND	mg/l	0.050	1
	11/28/96	57335	(ML/S2540C	) Total Dissolved Solids	260	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/26/96	57257	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/26/96	57257	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/26/96	57257	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/26/96	57257	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/26/96	57257	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/26/96	57257	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/26/96	57257	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.9	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

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QC Batch #56899**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0498	99.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0510	102.0	(78.00 - 118.00)	2.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0523	104.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0498	99.6	(80.00 - 120.00)	4.9

QC Batch #57003**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.3	93.2	(90.00 - 110.00)	
LCS2	Chloride	25	23.5	94.0	(90.00 - 110.00)	0.85
MBLK	Chloride	ND				
MS	Chloride	25	27.0	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27.1	108.4	(80.00 - 120.00)	0.37

QC Batch #57005**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	2.35	94.0	(90.00 - 110.00)	1.3
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.49	99.6	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.51	100.4	(80.00 - 120.00)	0.80

QC Batch #57021**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	45.9	91.8	(90.00 - 110.00)	
LCS2	Sulfate	50	46.7	93.4	(90.00 - 110.00)	1.7
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

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QC Batch #57064**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	99.4	103.3	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.4	102.3	(90.00 - 110.00)	1.0
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.2	92.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	98.8	102.7	(80.00 - 120.00)	10

QC Batch #57185**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	19.7	98.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	19.8	99.0	(80.00 - 120.00)	0.51

QC Batch #57186**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

QC Batch #57187**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	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				

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MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.5	105.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	53.4	106.8	(90.00 - 110.00)	1.7
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	48.4	96.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	49.3	98.6	(80.00 - 120.00)	1.8

QC Batch #57251**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.46	92.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.47	94.0	(80.00 - 120.00)	2.2
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.374	93.5	(70.00 - 130.00)	0.27

QC Batch #57257**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	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.86	96.5	(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				

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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	4.07	101.8	(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	8.08	101.0	(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	4.08	102.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.00	100.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.04	101.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.01	100.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.88	97.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.80	95.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.71	92.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			

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

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Laboratory
QC Report
#30795

Foster Wheeler Environmental, Inc
(continued)

LCS1	Dichloromethane	4	3.80	95.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.96	99.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.70	85.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.00	75.0	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.00	100.0	(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	3.80	95.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.08	102.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.94	98.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.62	81.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.18	102.2	(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	4.05	101.2	(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	4.00	100.0	(70.00 - 130.00)

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

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

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	4.01	100.2	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #57335**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	0.00
MBLK	Total Dissolved Solids	ND				

QC Batch #57521**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.7	98.7	(85.00 - 115.00)	1.2
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.4	98.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	1.6

QC Batch #57523**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	562	112.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	542	108.4	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	772.	<u>154.4</u>	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	622.	124.4	(70.00 - 130.00)	22

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

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Laboratory
QC Report
#30795

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57525**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	0.00
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.9	104.5	(70.00 - 130.00)	1.9

QC Batch #57845**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	0.0218	109.0	(85.00 - 115.00)	3.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0230	115.0	(85.00 - 115.00)	0.87

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

Report Summary of positive results, PR30795

			Result	MDL	UNITS
Analyzed	961121106	MW-962-109			
11/26/96	Data Entry		12/05/96		--
Analyzed	961121107	MW-962-28			
11/26/96	Data Entry		12/05/96		--
11/26/96	Alkalinity		190	2.000	MGL
12/17/96	Anion Sum		5.54	.001	MEQL
11/27/96	Bicarbonate as HCO ₃ ,calculated		232	.001	MGL
12/03/96	Calcium, Flame AA		54	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.301	.001	MGL
12/17/96	Cation Sum		5.26	.001	MEQL
11/22/96	Chloride		23	1.000	MGL
12/05/96	Iron, Total, ICAP/MS		120	*****	UGL
11/25/96	Lab pH		7.3	.001	UNIT
12/03/96	Magnesium, Flame AA		18	1.000	MGL
11/22/96	Nitrate-N by IC		1.3	.100	MGL
12/03/96	Potassium, Flame AA		3.1	1.000	MGL
12/03/96	Sodium, Flame AA		23	1.000	MGL
11/22/96	Specific Conductance		465	4.000	UMHO
11/22/96	Sulfate		48	2.000	MGL
11/28/96	Total Dissolved Solids		310	10.000	MGL
Analyzed	961121108	MW-962-50			
11/26/96	Data Entry		12/05/96		--
11/26/96	Alkalinity		215	2.000	MGL
12/17/96	Anion Sum		6.10	.001	MEQL
11/27/96	Bicarbonate as HCO ₃ ,calculated		262	.001	MGL
12/03/96	Calcium, Flame AA		61	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.428	.001	MGL
12/17/96	Cation Sum		5.92	.001	MEQL
11/22/96	Chloride		21	2.000	MGL
12/05/96	Iron, Total, ICAP/MS		210	*****	UGL
11/25/96	Lab pH		7.4	.001	UNIT
12/03/96	Magnesium, Flame AA		20	1.000	MGL
11/22/96	Nitrate-N by IC		1.1	.200	MGL
12/03/96	Potassium, Flame AA		3.8	1.000	MGL
12/03/96	Sodium, Flame AA		26	1.000	MGL
11/22/96	Specific Conductance		515	4.000	UMHO
11/22/96	Sulfate		54	4.000	MGL
11/28/96	Total Dissolved Solids		350	10.000	MGL
Analyzed	961121109	MW-962-67			
11/26/96	Data Entry		12/05/96		--
11/26/96	Alkalinity		170	2.000	MGL
12/17/96	Anion Sum		4.57	.001	MEQL
11/27/96	Bicarbonate as HCO ₃ ,calculated		207	.001	MGL
12/03/96	Calcium, Flame AA		42	1.000	MGL
11/27/96	Carbonate as CO ₃ , Calculated		0.849	.001	MGL
12/17/96	Cation Sum		4.64	.001	ME
11/22/96	Chloride		13	1.000	MGL
12/05/96	Iron, Total, ICAP/MS		110	*****	UGL
11/25/96	Lab pH		7.8	.001	UNIT

12/03/96	Magnesium, Flame AA	13	1.000	MGL
11/22/96	Nitrate-N by IC	1.3	.100	MGL
12/03/96	Potassium, Flame AA	9.7	1.000	MGL
12/03/96	Sodium, Flame AA	28	1.000	MGL
11/22/96	Specific Conductance	390	4.000	UMHO
11/22/96	Sulfate	34	2.000	MGL
11/28/96	Total Dissolved Solids	260	10.000	MGL



MONTGOMERY WATSON LABORATORIES

January 6, 1997

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

Attention: Mark Cutler

Re: Report # 31142 (MW-962-111; 110)

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):

All volatile samples were analyzed within holding times. Sample -110 was analyzed twice, both times with d4-1,2 DCE surrogate recovery high.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

Acetone was detected in the blank at low levels.

Other Comments:

Acetone was detected as a TIC at low levels.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
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Quality Environmental Analysis



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

ADE* 1993

Report#: 31142
JPL

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**Laboratory
Report
#31142**

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

Samples Received
11-dec-1996 17:27:56

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
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MW-962-111 (961211105) Sampled on 12/11/96

Regulated VOCs plus Lists 1&3

12/18/96	57690	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
12/18/96	57690	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
12/18/96	57690	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
12/18/96	57690	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
12/18/96	57690	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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**Laboratory
Report
#31142**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	12/18/96	57690	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/18/96	57690	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	12/18/96	57690	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.9B	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	120	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		

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**Laboratory
 Report
 #31142**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-110 (961211106)				Sampled on 12/11/96				
12/18/96	01/06/97	58177	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/18/96	57846		(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
12/12/96	57492		(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/18/96	57852		(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
12/18/96	57690		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
12/18/96	57690		(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
12/18/96	57690		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
12/18/96	57690		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/18/96	57690		(ML/EPA 524.2)	Chlorobenzene	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
	12/18/96	57690	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/18/96	57690	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	12/18/96	57690	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/18/96	57690	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.1B	ug/l		1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(EPA 524.2	) Unknown Hydrocarbon	1.1	ug/l		1
			(Surrogate	) 1,2-Dichloroethane-d4	125	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	99	% Rec		
			(Surrogate	) Toluene-d8	98	% Rec		



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(961211106)

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Sample was analyzed twice, both times the d4-1,2 DCE surr.
was high.

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Foster Wheeler Environmental, Inc

QC Batch #57492**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0482	96.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0471	94.2	(78.00 - 118.00)	2.3
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0494	98.8	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0505	101.0	(80.00 - 120.00)	2.2

QC Batch #57690**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	3.91	97.8	(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	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.19	104.8	(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	3.96	99.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.30	103.8	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				

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

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MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.31	107.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.75	93.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.05	101.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.21	105.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.09	102.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.99	99.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.46	111.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.62	115.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	1.89	94.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.75	93.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.47	111.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.09	102.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			

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LCS1	Toluene	4	4.22	105.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.06	101.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon)	4	3.58	89.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon)	ND			
LCS1	Vinyl chloride (VC)	2	1.83	91.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.13	103.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.81	122.6	(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	4.10	102.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.37	109.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.12	103.0	(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	4.22	105.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #57846**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	95.8	95.8	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	100.	100.0	(85.00 - 115.00)	4.3
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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MS	Chromium, Total, ICAP/MS	100	92.3	92.3	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.9	98.9	(70.00 - 130.00)	6.9

QC Batch #57852**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	20.0	100.0	(85.00 - 115.00)	1.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	17.9	89.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.8	99.0	(70.00 - 130.00)	10

QC Batch #58177**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0203	101.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0195	97.5	(85.00 - 115.00)	4.0
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0176	88.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	17

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