



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
#40122

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	4.1	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	5.0	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-981-017 (980122111)

Sampled on 01/22/98

	02/03/98	72695	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	02/09/98		(ML/SM1040)	Anion Sum	6.24	meq/l	0.0010	1
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	76	mg/l	1.0	1
	02/04/98		(ML/SM1040)	Cation Sum	6.89	meq/l	0.0010	1
	01/23/98	72102	(ML/EPA 300)	Chloride	45	mg/l	2.0	2
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/09/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.284	mg/l	0.0010	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/22/98	71785	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	640	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	150	ug/l	50	1
	02/09/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
	02/04/98	72523	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	02/04/98	72527	(ML/S3111B)	Magnesium, Flame AA	22	mg/l	1.0	1
	02/04/98	72525	(ML/S3111B)	Sodium, Flame AA	28	mg/l	1.0	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
	01/23/98	72105	(ML/EPA 300.0)	Nitrate-N by IC	8.1	mg/l	0.20	2
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	7.3	Units	0.0010	1
	01/23/98	72107	(ML/EPA 300.0)	Sulfate	38	mg/l	4.0	2
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	380	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.4	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		


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Laboratory
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#40122

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-018 (980122112) Sampled on 01/22/98								
	02/03/98	72695	(ML/S2320B)	Alkalinity	240	mg/l	2.0	1
	02/09/98		(ML/SM1040)	Anion Sum	10.0	meq/l	0.0010	1
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	120	mg/l	1.0	1
	02/04/98		(ML/SM1040)	Cation Sum	10.8	meq/l	0.0010	1
	01/23/98	72102	(ML/EPA 300)	Chloride	92	mg/l	2.0	2
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/09/98		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.380	mg/l	0.0010	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/22/98	71785	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	985	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1400	ug/l	50	1
	02/09/98		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	293	mg/l	0.0010	1
	02/04/98	72523	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	02/04/98	72527	(ML/S3111B)	Magnesium, Flame AA	36	mg/l	1.0	1
	02/04/98	72525	(ML/S3111B)	Sodium, Flame AA	40	mg/l	1.0	1
	01/23/98	72105	(ML/EPA 300.0)	Nitrate-N by IC	10	mg/l	0.20	2
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	3.0	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	7.3	Units	0.0010	1
	01/23/98	72107	(ML/EPA 300.0)	Sulfate	91	mg/l	4.0	2
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	610	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.4	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.5	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-981-019 (980122113) Sampled on 01/22/98

	02/03/98	72695	(ML/S2320B)	Alkalinity	260	mg/l	2.0	1
	02/09/98		(ML/SM1040)	Anion Sum	12.9	meq/l	0.0010	1
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	140	mg/l	1.0	1
	02/04/98		(ML/SM1040)	Cation Sum	13.5	meq/l	0.0010	1
	01/23/98	72102	(ML/EPA 300)	Chloride	140	mg/l	2.0	2
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/09/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.259	mg/l	0.0010	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/22/98	71785	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	1280	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	50	1
	02/09/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	317	mg/l	0.0010	1
	02/04/98	72523	(ML/S3111B)	Potassium, Flame AA	3.4	mg/l	1.0	1
	02/04/98	72527	(ML/S3111B)	Magnesium, Flame AA	45	mg/l	1.0	1
	02/04/98	72525	(ML/S3111B)	Sodium, Flame AA	62	mg/l	1.0	1
	01/23/98	72105	(ML/EPA 300.0)	Nitrate-N by IC	8.4	mg/l	0.20	2

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	7.1	Units	0.0010	1
	01/23/98	72107	(ML/EPA 300.0)	Sulfate	150	mg/l	4.0	2
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	790	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	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
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.1	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-019 MS (980122114)				Sampled on 01/22/98				
Regulated VOCs plus Lists 1&3								
01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.2	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.1	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1	
01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	3.8	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1	
01/27/98	72356	(ML/EPA 524.2)	Benzene	4.2	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	4.5	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.9	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1	


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.6	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	4.3	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-019 MSD (980122115)				Sampled on 01/22/98				
Regulated VOCs plus Lists 1&3								
01/27/98	72356		ML/EPA 524.2	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,1,1-Trichloroethane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,1,2-Trichloroethane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,1-Dichloroethane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,1-Dichloroethylene	4.5	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,1-Dichloropropene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,2,3-Trichloropropane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,2,4-Trichlorobenzene	4.3	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,2-Dichloroethane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,2-Dichloropropane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	1,3-Dichloropropane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	p-Dichlorobenzene (1,4-DCB)	4.6	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	2,2-Dichloropropane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	2-Butanone (MEK)	NA	ug/l	5.0	1
01/27/98	72356		ML/EPA 524.2	o-Chlorotoluene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	p-Chlorotoluene	4.3	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
01/27/98	72356		ML/EPA 524.2	Benzene	4.4	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Bromobenzene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Chlorobenzene	4.4	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Carbon Tetrachloride	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Bromoform	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Chloroform (Trichloromethane)	4.8	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Bromochloromethane	NA	ug/l	0.50	1
01/27/98	72356		ML/EPA 524.2	Chloroethane	NA	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
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.7	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	4.3	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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QC Batch #71785**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	4.0
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(80.00 - 120.00)	2.0

QC Batch #72102**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	27	108.0	(90.00 - 110.00)	
LCS2	Chloride	25	27	108.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26	104.0	(80.00 - 120.00)	
MSD	Chloride	25	26	104.0	(80.00 - 120.00)	0.00

QC Batch #72105**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.7	108.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.7	108.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.5	100.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.5	100.0	(80.00 - 120.00)	0.00

QC Batch #72107**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	54	108.0	(90.00 - 110.00)	
LCS2	Sulfate	50	54	108.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	53	106.0	(80.00 - 120.00)	
MSD	Sulfate	50	53	106.0	(80.00 - 120.00)	0.00

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

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QC Batch #72168**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	2.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.9	94.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.6	98.0	(75.00 - 125.00)	3.6

QC Batch #72312**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	672	96.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72356**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	4.20	105.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.10	102.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.23	105.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

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LCS1	1,2,4-Trichlorobenzene	4	3.64	91.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.78	94.5	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.83	95.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.78	97.2	(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	4.04	101.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.90	97.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.97	99.2	(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	4.18	104.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.58	89.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.02	100.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.03	101.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.85	96.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.20	105.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.12	103.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.86	96.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.28	114.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.27	113.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.00	100.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.70	108.7	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.04	101.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.26	106.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.32	108.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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MBLK	tert-Butylbenzene	ND				
LCS1	trans-1,2-Dichloroethylene	4	4.36	109.0	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #72416**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0201	100.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0208	104.0	(85.00 - 115.00)	3.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0200	100.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	2.5

QC Batch #72510**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	53.9	107.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	4.2
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.1	106.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	53.4	106.8	(85.00 - 115.00)	0.56

QC Batch #72523**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.6	98.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	3.0
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.9	109.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(85.00 - 115.00)	1.4

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

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QC Batch #72525**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	46.1	92.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.4	94.8	(90.00 - 110.00)	2.8
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	51.4	102.8	(85.00 - 115.00)	1.7

QC Batch #72527**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.5	92.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.3	101.5	(85.00 - 115.00)	1.5

QC Batch #72695**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.6	98.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	93.6	97.3	(80.00 - 120.00)	1.1

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

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QC Batch #73250**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	109	109.0	(85.00 - 115.00)	5.7
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	103.	103.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)	2.9

QC Batch #73255**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	503	100.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	567	113.4	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	393.	78.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	495.	99.0	(70.00 - 130.00)	23

QC Batch #73260**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.0	100.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	4.9
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	22.9	114.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	6.3

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

Report Summary of positive results, PR40122

			Result	MDL	UNITS
Analyzed	980122108	MW-981-090			
Analyzed	980122109	MW-981-091			
Analyzed	980122110	MW-981-016			
01/27/98	Tetrachloroethylene (PCE)		4.1	.500	UGL
01/27/98	cis-1,2-Dichloroethylene		0.6	.500	UGL
02/03/98	Alkalinity		200	2.000	MGL
02/09/98	Anion Sum		8.05	.001	MEQL
02/09/98	Bicarbonate as HCO ₃ ,calculated		244	.001	MGL
02/03/98	Calcium, Flame AA		96	1.000	MGL
02/09/98	Carbonate as CO ₃ , Calculated		0.795	.001	MGL
02/04/98	Cation Sum		8.87	.001	MEQL
01/23/98	Chloride		63	2.000	MGL
01/28/98	Iron, Total, ICAP/MS		2100	*****	UGL
01/27/98	Lab pH		7.7	.001	UNIT
02/04/98	Magnesium, Flame AA		30	1.000	MGL
01/23/98	Nitrate-N by IC		10	.200	MGL
01/28/98	Perchlorate		5.2	4.000	UGL
02/04/98	Potassium, Flame AA		3.0	1.000	MGL
02/04/98	Sodium, Flame AA		35	1.000	MGL
01/28/98	Specific Conductance		820	4.000	UMHO
01/23/98	Sulfate		75	4.000	MGL
01/28/98	Total Dissolved Solid (TDS)		490	10.000	MGL
Analyzed	980122111	MW-981-017			
01/27/98	Tetrachloroethylene (PCE)		2.4	.500	UGL
02/03/98	Alkalinity		180	2.000	MGL
02/09/98	Anion Sum		6.24	.001	MEQL
02/09/98	Bicarbonate as HCO ₃ ,calculated		219	.001	MGL
02/03/98	Calcium, Flame AA		76	1.000	MGL
02/09/98	Carbonate as CO ₃ , Calculated		0.284	.001	MGL
02/04/98	Cation Sum		6.89	.001	MEQL
01/23/98	Chloride		45	2.000	MGL
01/28/98	Iron, Total, ICAP/MS		150	50.000	UGL
01/27/98	Lab pH		7.3	.001	UNIT
02/04/98	Magnesium, Flame AA		22	1.000	MGL
01/23/98	Nitrate-N by IC		8.1	.200	MGL
02/04/98	Potassium, Flame AA		2.4	1.000	MGL
02/04/98	Sodium, Flame AA		28	1.000	MGL
01/28/98	Specific Conductance		640	4.000	UMHO
01/23/98	Sulfate		38	4.000	MGL
01/28/98	Total Dissolved Solid (TDS)		380	10.000	MGL
Analyzed	980122112	MW-981-018			
01/27/98	Tetrachloroethylene (PCE)		1.4	.500	UGL
01/27/98	Trichloroethylene (TCE)		0.5	.500	UGL
02/03/98	Alkalinity		240	2.000	MGL
02/09/98	Anion Sum		10.0	.001	MEQL
02/09/98	Bicarbonate as HCO ₃ ,calculated		293	.001	MGL
02/03/98	Calcium, Flame AA		120	1.000	MGL

02/09/98	Carbonate as CO ₃ , Calculated	0.380	.001	MGL
02/04/98	Cation Sum	10.8	.001	MEQL
01/23/98	Chloride	92	2.000	MGL
01/28/98	Iron, Total, ICAP/MS	1400	50.000	UGL
01/27/98	Lab pH	7.3	.001	UNIT
01/28/98	Lead, Total, ICAP/MS	3.0	2.000	UGL
02/04/98	Magnesium, Flame AA	36	1.000	MGL
01/23/98	Nitrate-N by IC	10	.200	MGL
02/04/98	Potassium, Flame AA	3.2	1.000	MGL
02/04/98	Sodium, Flame AA	40	1.000	MGL
01/28/98	Specific Conductance	985	4.000	UMHO
01/23/98	Sulfate	91	4.000	MGL
01/28/98	Total Dissolved Solid (TDS)	610	10.000	MGL

Analyzed 980122113 MW-981-019

01/27/98	Tetrachloroethylene (PCE)	1.1	.500	UGL
02/03/98	Alkalinity	260	2.000	MGL
02/09/98	Anion Sum	12.9	.001	MEQL
02/09/98	Bicarbonate as HCO ₃ ,calculated	317	.001	MGL
02/03/98	Calcium, Flame AA	140	1.000	MGL
02/09/98	Carbonate as CO ₃ , Calculated	0.259	.001	MGL
02/04/98	Cation Sum	13.5	.001	MEQL
01/23/98	Chloride	140	2.000	MGL
01/27/98	Lab pH	7.1	.001	UNIT
02/04/98	Magnesium, Flame AA	45	1.000	MGL
01/23/98	Nitrate-N by IC	8.4	.200	MGL
02/04/98	Potassium, Flame AA	3.4	1.000	MGL
02/04/98	Sodium, Flame AA	62	1.000	MGL
01/28/98	Specific Conductance	1280	4.000	UMHO
01/23/98	Sulfate	150	4.000	MGL
01/28/98	Total Dissolved Solid (TDS)	790	10.000	MGL

Analyzed 980122114 MW-981-019 MS

01/27/98	1,2,4-Trichlorobenzene	4.2	.500	UGL
01/27/98	Benzene	4.2	.500	UGL
01/27/98	Chlorobenzene	4.5	.500	UGL
01/27/98	Chloroform (Trichloromethane)	4.9	.500	UGL
01/27/98	Toluene	4.3	.500	UGL
01/27/98	Trichloroethylene (TCE)	4.6	.500	UGL
01/27/98	p-Chlorotoluene	3.8	.500	UGL
01/27/98	p-Dichlorobenzene (1,4-DCB)	4.1	.500	UGL

Analyzed 980122115 MW-981-019 MSD

01/27/98	1,1-Dichloroethylene	4.5	.500	UGL
01/27/98	1,2,4-Trichlorobenzene	4.3	.500	UGL
01/27/98	Benzene	4.4	.500	UGL
01/27/98	Chlorobenzene	4.4	.500	UGL
01/27/98	Chloroform (Trichloromethane)	4.8	.500	UGL
01/27/98	Toluene	4.3	.500	UGL
01/27/98	Trichloroethylene (TCE)	4.7	.500	UGL
01/27/98	p-Chlorotoluene	4.3	.500	UGL
01/27/98	p-Dichlorobenzene (1,4-DCB)	4.6	.500	UGL



MONTGOMERY WATSON LABORATORIES

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Laboratory Report

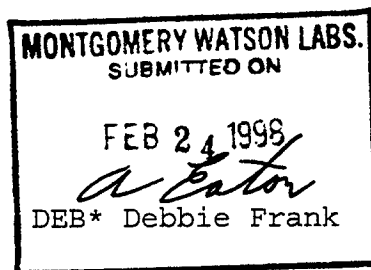
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 40170
JPL



MONTGOMERY WATSON LABORATORIES

February 24, 1998

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

Attention: Mark Cutler

Re: Report # 40170 (MW-981-092, 093, 043, 044, 045, 046,
047)

Dear Mark,

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

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

None. Sample 043 was inadvertently logged in as an MS and MSD for metals rather than for the original sample. The COC was corrected and this sample tested for Pb, Cr, and As. The MS/MSD were thus entered as NA (Not Analyzed).

Samples requiring dilution (with increased MRL's):

Anions were diluted in sample 044 and 045 and 046 and 047

Method blanks with compounds detected:

None

Other Comments:

Volatiles were detected in several samples. Additionally lead was detected in several samples, as was chromium.

TICs

Carbon Disulfide was detected as a TIC in -092 and -093 and -043 and -046.

Method Variance:

MWlabs was experiencing difficulty in achieving the required Detection limit for Calcium by Flame AA analysis, EPA 215.1. Permission was granted by Mark Cutler 2/3/98 to analyze by ICP, EPA 200.7. The Calcium for this set of samples was analyzed by ICP.

Sincerely,

Andrew Eaton, Ph.D.
Laboratory Director

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis

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Laboratory
Report
#40170

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

Samples Received
23-jan-1998 16:47:35

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-092 (980123122)				Sampled on 01/23/98				
Regulated VOCs plus Lists 1&3								
01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Laboratory
 Report
 #40170

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	1.4	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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**Laboratory
 Report
 #40170**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-093 (980123123)				Sampled on 01/23/98				
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/23/98	72046	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	3.7	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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**Laboratory
 Report
 #40170**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	1.8	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	95	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		


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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	106	% Rec		
MW-981-043 (980123124) Sampled on 01/23/98								
	02/03/98	72695	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	02/09/98		(ML/SM1040)	Anion Sum	3.32	meq/l	0.0010	1
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	19	mg/l	1.0	1
	02/04/98		(ML/SM1040)	Cation Sum	3.69	meq/l	0.0010	1
	01/24/98	72110	(ML/EPA 300)	Chloride	8.6	mg/l	1.0	1
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/09/98		(ML/S2320-B)	Carbonate as CO3, Calculated	4.22	mg/l	0.0010	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/23/98	72046	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	340	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	890	ug/l	50	1
	02/09/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	163	mg/l	0.0010	1
	02/04/98	72523	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	02/04/98	72527	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	02/04/98	72525	(ML/S3111B)	Sodium, Flame AA	37	mg/l	1.0	1
	01/24/98	72116	(ML/EPA 300.0)	Nitrate-N by IC	0.33	mg/l	0.10	1
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	8.6	Units	0.0010	1
	01/24/98	72120	(ML/EPA 300.0)	Sulfate	17	mg/l	2.0	1
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(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
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution	
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1	
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1	
			(EPA 524.2)	Carbon disulfide	4.6	ug/l		1	
			(Surrogate)	1,2-Dichloroethane-d4	95	% Rec			
			(Surrogate)	4-Bromofluorobenzene	102	% Rec			
			(Surrogate)	Toluene-d8	104	% Rec			
MW-981-043 MS (980123125) Sampled on 01/23/98									
	01/27/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	NA	mg/l	0.005	1
	01/28/98	02/16/98	72950	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	NA	ug/l	10	1
	01/28/98	02/16/98	72949	(EPA/ML 200.8)	Lead, Total, ICAP/MS	NA	ug/l	2.0	1
MW-981-043 MSD (980123126) Sampled on 01/23/98									
	01/27/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	NA	mg/l	0.005	1
	01/28/98	02/16/98	72950	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	NA	ug/l	10	1
	01/28/98	02/16/98	72949	(EPA/ML 200.8)	Lead, Total, ICAP/MS	NA	ug/l	2.0	1
MW-981-044 (980123127) Sampled on 01/23/98									
	02/03/98	72695	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1	
	02/09/98		(ML/SM1040)	Anion Sum	5.05	meq/l	0.0010	1	
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1	
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	53	mg/l	1.0	1	
	02/04/98		(ML/SM1040)	Cation Sum	5.45	meq/l	0.0010	1	
	01/24/98	72110	(ML/EPA 300)	Chloride	31	mg/l	2.0	2	


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/09/98		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.945	mg/l	0.0010	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/23/98	72046	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	530	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	180	ug/l	50	1
	02/09/98		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	183	mg/l	0.0010	1
	02/04/98	72523	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	02/04/98	72527	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	02/04/98	72525	(ML/S3111B)	Sodium, Flame AA	29	mg/l	1.0	1
	01/24/98	72116	(ML/EPA 300.0)	Nitrate-N by IC	10	mg/l	0.20	2
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.4	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	01/24/98	72120	(ML/EPA 300.0)	Sulfate	22	mg/l	4.0	2
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	310	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1


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#40170

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	104	% Rec		
			(Surrogate)	Toluene-d8	109	% Rec		

MW-981-045 (980123128) Sampled on 01/23/98

	02/03/98	72695	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	02/09/98		(ML/SM1040)	Anion Sum	9.82	meq/l	0.0010	1
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	106	mg/l	1.0	1
	02/04/98		(ML/SM1040)	Cation Sum	10.4	meq/l	0.0010	1
	01/24/98	72110	(ML/EPA 300)	Chloride	87	mg/l	3.0	3
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	5.6	ug/l	4.0	1
	02/09/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.631	mg/l	0.0010	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	26	ug/l	10	1
	01/23/98	72046	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	1010	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	200	ug/l	50	1
	02/09/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	02/04/98	72523	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	02/04/98	72527	(ML/S3111B)	Magnesium, Flame AA	40	mg/l	1.0	1
	02/04/98	72525	(ML/S3111B)	Sodium, Flame AA	39	mg/l	1.0	1
	01/24/98	72116	(ML/EPA 300.0)	Nitrate-N by IC	15	mg/l	0.30	3
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.8	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	01/24/98	72120	(ML/EPA 300.0)	Sulfate	110	mg/l	6.0	3
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	590	mg/l	10	1

Regulated VOCs plus Lists 1&3

	01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	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
	01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	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
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	84	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-981-046 (980123129) Sampled on 01/23/98

	02/03/98	72695	(ML/S2320B)	Alkalinity	280	mg/l	2.0	1
	02/09/98		(ML/SM1040)	Anion Sum	13.4	meq/l	0.0010	1
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	160	mg/l	1.0	1
	02/04/98		(ML/SM1040)	Cation Sum	14.0	meq/l	0.0010	1
	01/24/98	72110	(ML/EPA 300)	Chloride	110	mg/l	3.0	3
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	9.0	ug/l	4.0	1
	02/09/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.701	mg/l	0.0010	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/23/98	72046	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	1310	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	500	ug/l	50	1
	02/09/98		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	341	mg/l	0.0010	1
	02/04/98	72523	(ML/S3111B)	Potassium, Flame AA	3.0	mg/l	1.0	1
	02/04/98	72527	(ML/S3111B)	Magnesium, Flame AA	53	mg/l	1.0	1
	02/04/98	72525	(ML/S3111B)	Sodium, Flame AA	37	mg/l	1.0	1
	01/24/98	72116	(ML/EPA 300.0)	Nitrate-N by IC	16	mg/l	0.30	3
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.7	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	7.5	Units	0.0010	1
	01/24/98	72120	(ML/EPA 300.0)	Sulfate	170	mg/l	6.0	3
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	840	mg/l	10	1

Regulated VOCs plus Lists 1&3

01/27/98	72356	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethane	0.69	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
01/27/98	72356	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
01/27/98	72356	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	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
	01/27/98	72356	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.2	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1

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Laboratory
 Report
 #40170

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/27/98	72356	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/27/98	72356	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon Disulfide	8.9	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		
MW-981-047 (980123130) Sampled on 01/23/98								
	02/05/98	72847	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	13.0	meq/l	0.0010	1
01/27/98	01/29/98	72416	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/03/98	72510	(ML/S3111B)	Calcium, Flame AA	160	mg/l	1.0	1
	02/04/98		(ML/SM1040)	Cation Sum	14.0	meq/l	0.0010	1
	01/24/98	72110	(ML/EPA 300)	Chloride	130	mg/l	3.0	3
	01/28/98	72168	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.126	mg/l	0.0010	1
01/28/98	01/28/98	73250	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/23/98	72046	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	1320	umho/cm	4.0	1
01/28/98	01/28/98	73255	(EPA/ML 200.8)	Iron, Total, ICAP/MS	740	ug/l	50	1
	02/13/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	02/04/98	72522	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	02/04/98	72526	(ML/S3111B)	Magnesium, Flame AA	48	mg/l	1.0	1
	02/04/98	72524	(ML/S3111B)	Sodium, Flame AA	46	mg/l	1.0	1
	01/24/98	72116	(ML/EPA 300.0)	Nitrate-N by IC	17	mg/l	0.30	3
01/28/98	01/28/98	73260	(EPA/ML 200.8)	Lead, Total, ICAP/MS	4.3	ug/l	2.0	1
	01/27/98		(ML/SM 4500H)	Lab pH	6.9	Units	0.0010	1
	01/24/98	72120	(ML/EPA 300.0)	Sulfate	200	mg/l	6.0	3
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	830	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/28/98	72413	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(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
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethane	2.1	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/28/98	72413	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/28/98	72413	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/28/98	72413	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/28/98	72413	(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	89	% Rec		
			(Surrogate)	4-Bromofluorobenzene	104	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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Group Comments

(CA) is analyzed by ICP.GG 02/17/98.

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Foster Wheeler Environmental, Inc

QC Batch #72046**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.100	0.100	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.100	0.101	101.0	(80.00 - 120.00)	1.00

QC Batch #72110**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26	104.0	(80.00 - 120.00)	
MSD	Chloride	25	26	104.0	(80.00 - 120.00)	0.00

QC Batch #72116**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	0.00

QC Batch #72120**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49	98.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50	100.0	(90.00 - 110.00)	2.0
MBLK	Sulfate	ND				
MS	Sulfate	50	53	106.0	(80.00 - 120.00)	
MSD	Sulfate	50	53	106.0	(80.00 - 120.00)	0.00

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

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QC Batch #72168**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	19.7	98.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	2.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.9	94.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.6	98.0	(75.00 - 125.00)	3.6

QC Batch #72312**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	672	96.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72356**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	4.20	105.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.10	102.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.23	105.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				

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LCS1	1,2,4-Trichlorobenzene	4	3.64	91.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.78	94.5	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.83	95.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.78	97.2	(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	4.04	101.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.90	97.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.97	99.2	(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	4.18	104.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.58	89.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.02	100.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.03	101.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.85	96.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.20	105.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.12	103.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.86	96.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.28	114.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.27	113.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.00	100.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.70	108.7	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.04	101.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.26	106.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.32	108.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.36	109.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72413**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	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.80	120.0	(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	4.01	100.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.62	115.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.57	107.1	(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				

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

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Foster Wheeler Environmental, Inc
(continued)

LCS1	Benzene	4	4.33	108.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.61	115.3	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.52	113.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.63	115.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.17	104.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.39	109.7	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.03	100.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.75	118.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.25	112.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.30	107.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.64	116.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.57	114.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.31	107.7	(70.00 - 130.00)

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Foster Wheeler Environmental, Inc
 (continued)

MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.41	120.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.26	113.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.19	114.9	(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	4.25	106.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.62	115.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.05	101.2	(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	4.53	113.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72416**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0201	100.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0208	104.0	(85.00 - 115.00)	3.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0200	100.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	2.5

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #72510**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	53.9	107.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	4.2
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.1	106.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	53.4	106.8	(85.00 - 115.00)	0.56

QC Batch #72522**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.9	99.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	19.9	99.5	(80.00 - 120.00)	0.00
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.8	109.0	(85.00 - 115.00)	8.1

QC Batch #72523**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.6	98.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	3.0
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.9	109.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(85.00 - 115.00)	1.4

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #72524**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	47.6	95.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.3	94.6	(90.00 - 110.00)	0.63
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.4	92.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	50.9	101.8	(85.00 - 115.00)	9.2

QC Batch #72525**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	46.1	92.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.4	94.8	(90.00 - 110.00)	2.8
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	51.4	102.8	(85.00 - 115.00)	1.7

QC Batch #72526**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.1	90.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.1	95.5	(90.00 - 110.00)	5.4
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.1	90.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.7	98.5	(85.00 - 115.00)	8.5

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #72527**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.5	92.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.8	94.0	(90.00 - 110.00)	1.6
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.6	103.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.3	101.5	(85.00 - 115.00)	1.5

QC Batch #72695**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.6	98.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	93.6	97.3	(80.00 - 120.00)	1.1

QC Batch #72847**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.8	103.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.6	101.5	(80.00 - 120.00)	2.2

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

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Foster Wheeler Environmental, Inc
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QC Batch #72948**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	1.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	3.8

QC Batch #73250**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	109	109.0	(85.00 - 115.00)	5.7
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	103.	103.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)	2.9

QC Batch #73255**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	503	100.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	567	113.4	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	393.	78.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	495.	99.0	(70.00 - 130.00)	23

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #73260**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.0	100.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	4.9
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	22.9	114.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	6.3

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

Report Summary of positive results, PR40170

			Result	MDL	UNITS
Analyzed	980123122	MW-981-092			
Analyzed	980123123	MW-981-093			
01/28/98	Lead, Total, ICAP/MS		3.7	2.000	UGL
Analyzed	980123124	MW-981-043			
02/03/98	Alkalinity		135	2.000	MGL
02/09/98	Anion Sum		3.32	.001	MEQL
02/09/98	Bicarbonate as HCO ₃ ,calculated		163	.001	MGL
02/03/98	Calcium, Flame AA		19	1.000	MGL
02/09/98	Carbonate as CO ₃ , Calculated		4.22	.001	MGL
02/04/98	Cation Sum		3.69	.001	MEQL
01/24/98	Chloride		8.6	1.000	MGL
01/28/98	Iron, Total, ICAP/MS		890	50.000	UGL
01/27/98	Lab pH		8.6	.001	UNIT
02/04/98	Magnesium, Flame AA		13	1.000	MGL
01/24/98	Nitrate-N by IC		0.33	.100	MGL
02/04/98	Potassium, Flame AA		2.5	1.000	MGL
02/04/98	Sodium, Flame AA		37	1.000	MGL
01/28/98	Specific Conductance		340	4.000	UMHO
01/24/98	Sulfate		17	2.000	MGL
01/28/98	Total Dissolved Solid (TDS)		210	10.000	MGL
Analyzed	980123125	MW-981-043 MS			
Analyzed	980123126	MW-981-043 MSD			
Analyzed	980123127	MW-981-044			
02/03/98	Alkalinity		150	2.000	MGL
02/09/98	Anion Sum		5.05	.001	MEQL
02/09/98	Bicarbonate as HCO ₃ ,calculated		183	.001	MGL
02/03/98	Calcium, Flame AA		53	1.000	MGL
02/09/98	Carbonate as CO ₃ , Calculated		0.945	.001	MGL
02/04/98	Cation Sum		5.45	.001	MEQL
01/24/98	Chloride		31	2.000	MGL
01/28/98	Iron, Total, ICAP/MS		180	50.000	UGL
01/27/98	Lab pH		7.9	.001	UNIT
01/28/98	Lead, Total, ICAP/MS		2.4	2.000	UGL
02/04/98	Magnesium, Flame AA		18	1.000	MGL
01/24/98	Nitrate-N by IC		10	.200	MGL
02/04/98	Potassium, Flame AA		2.3	1.000	MGL
02/04/98	Sodium, Flame AA		29	1.000	MGL
01/28/98	Specific Conductance		530	4.000	UMHO
01/24/98	Sulfate		22	4.000	MGL
01/28/98	Total Dissolved Solid (TDS)		310	10.000	MGL
Analyzed	980123128	MW-981-045			
02/03/98	Alkalinity		200	2.000	MGL
02/09/98	Anion Sum		9.82	.001	MEQL

02/09/98	Bicarbonate as HCO ₃ ,calculated	244	.001	MGL
02/03/98	Calcium, Flame AA	106	1.000	MGL
02/09/98	Carbonate as CO ₃ , Calculated	0.631	.001	MGL
02/04/98	Cation Sum	10.4	.001	MEQL
01/24/98	Chloride	87	3.000	MGL
01/28/98	Chromium, Total, ICAP/MS	26	10.000	UGL
01/28/98	Iron, Total, ICAP/MS	200	50.000	UGL
01/27/98	Lab pH	7.6	.001	UNIT
01/28/98	Lead, Total, ICAP/MS	2.8	2.000	UGL
02/04/98	Magnesium, Flame AA	40	1.000	MGL
01/24/98	Nitrate-N by IC	15	.300	MGL
01/28/98	Perchlorate	5.6	4.000	UGL
02/04/98	Potassium, Flame AA	3.2	1.000	MGL
02/04/98	Sodium, Flame AA	39	1.000	MGL
01/28/98	Specific Conductance	1010	4.000	UMHO
01/24/98	Sulfate	110	6.000	MGL
01/28/98	Total Dissolved Solid (TDS)	590	10.000	MGL

Analyzed 980123129 MW-981-046

01/27/98	1,1-Dichloroethane	0.69	.500	UGL
01/27/98	Tetrachloroethylene (PCE)	1.2	.500	UGL
02/03/98	Alkalinity	280	2.000	MGL
02/09/98	Anion Sum	13.4	.001	MEQL
02/09/98	Bicarbonate as HCO ₃ ,calculated	341	.001	MGL
02/03/98	Calcium, Flame AA	160	1.000	MGL
02/09/98	Carbonate as CO ₃ , Calculated	0.701	.001	MGL
02/04/98	Cation Sum	14.0	.001	MEQL
01/24/98	Chloride	110	3.000	MGL
01/28/98	Iron, Total, ICAP/MS	500	50.000	UGL
01/27/98	Lab pH	7.5	.001	UNIT
01/28/98	Lead, Total, ICAP/MS	2.7	2.000	UGL
02/04/98	Magnesium, Flame AA	53	1.000	MGL
01/24/98	Nitrate-N by IC	16	.300	MGL
01/28/98	Perchlorate	9.0	4.000	UGL
02/04/98	Potassium, Flame AA	3.0	1.000	MGL
02/04/98	Sodium, Flame AA	37	1.000	MGL
01/28/98	Specific Conductance	1310	4.000	UMHO
01/24/98	Sulfate	170	6.000	MGL
01/28/98	Total Dissolved Solid (TDS)	840	10.000	MGL

Analyzed 980123130 MW-981-047

01/28/98	1,1-Dichloroethane	2.1	.500	UGL
01/28/98	Chloroform (Trichloromethane)	0.5	.500	UGL
02/05/98	Alkalinity	200	2.000	MGL
02/17/98	Anion Sum	13.0	.001	MEQL
02/13/98	Bicarbonate as HCO ₃ ,calculated	244	.001	MGL
02/03/98	Calcium, Flame AA	160	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated	0.126	.001	MGL
02/04/98	Cation Sum	14.0	.001	MEQL
01/24/98	Chloride	130	3.000	MGL
01/28/98	Iron, Total, ICAP/MS	740	50.000	UGL
01/27/98	Lab pH	6.9	.001	UNIT
01/28/98	Lead, Total, ICAP/MS	4.3	2.000	UGL
02/04/98	Magnesium, Flame AA	48	1.000	MGL
01/24/98	Nitrate-N by IC	17	.300	MGL
02/04/98	Potassium, Flame AA	3.2	1.000	MGL
02/04/98	Sodium, Flame AA	46	1.000	MGL
01/28/98	Specific Conductance	1320	4.000	UMHC

01/24/98
01/28/98

Sulfate
Total Dissolved Solid (TDS)

200
830

6.000
10.000

MGL
MGL



MONTGOMERY WATSON LABORATORIES

February 23, 1998

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

Attention: Mark Cutler

Re: Report # 40194 (MW-981-094, 095, 048, 049, 049 MS, 049
MSD, 074, 075)

Dear Mark,

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

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

None

Samples requiring dilution (with increased MRL's):

MW-981-048 perchlorate

MW-981-049 perchlorate plus anions

Method blanks with compounds detected:

None

Other Comments:

Extra volume for MW-981-049 VOC's was submitted for MS/MSD QC
batching, for use as needed by the laboratory.

Volatiles were detected in samples 048 and 049, including some
above the MCL. Chromium (total and hexavalent) and perchlorate
were detected in samples 048 and 049 also. Lead was detected in
several samples

TICs

Unknowns were detected in sample 094 and carbon disulfide was
detected as a TIC in sample 075.

Method Variance:

MWlabs was experiencing difficulty in achieving the required
Detection limit for Calcium by Flame AA analysis, EPA 215.1.
Permission was granted by Mark Cutler 2/3/98 to analyze by ICP, EPA
200.7. The Calcium for this set of samples was analyzed by ICP.

Sincerely,

Andrew Eaton, Ph.D.
Laboratory Director

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis



MONTGOMERY WATSON LABORATORIES

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Laboratory Report

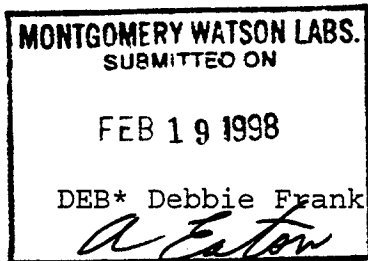
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 40194
JPL

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**Laboratory
Report
#40194**

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

Samples Received
26-jan-1998 16:28:20

Anal	Method	Analyte	Result	Units	MDL
MW-981-094 (980126139) Sampled on 01/26/98					
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2)		1,1,1,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,1-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3,5-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2-Butanone (MEK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		Benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromoform	ND	ug/l	0.50

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**Laboratory
 Report
 #40194**

Foster Wheeler Environmental, Inc
 (continued)

Anal	Method	Analyte	Result	Units	MDL
01/28/98	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30
	(EPA 524.2)	Unknown RT=3.26	1.2	ug/L	
	(EPA 524.2)	Unknown RT=3.44	1.1	ug/L	
	(Surrogate)	1,2-Dichloroethane-d4	104	% Rec	
	(Surrogate)	4-Bromofluorobenzene	87	% Rec	
	(Surrogate)	Toluene-d8	101	% Rec	

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Laboratory
Report
#40194

Foster Wheeler Environmental, Inc
 (continued)

Anal	Method	Analyte	Result	Units	MDL
MW-981-095 (980126140) Sampled on 01/26/98					
01/29/98 (S3113B/E200.9)		Arsenic, Total, GF	ND	mg/l	0.005
02/11/98 (MOD/EPA 300)		Perchlorate	ND	ug/l	4.0
01/28/98 (EPA/ML 200.8)		Chromium, Total, ICAP/MS	ND	ug/l	10
01/26/98 (ML/SW 7196)		Hexavalent chromium (Cr VI)	ND	mg/l	0.005
01/28/98 (EPA/ML 200.8)		Lead, Total, ICAP/MS	ND	ug/l	2.0
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2)		1,1,1,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,1-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3,5-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2-Butanone (MEK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		Benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	ND	ug/l	0.50

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**Laboratory
Report
#40194**

Foster Wheeler Environmental, Inc
(continued)

Anal	Method	Analyte	Result	Units	MDL
01/28/98 (ML/EPA 524.2)		cis-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromoform	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromochloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloromethane (Methyl Chloride)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorodibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromodichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Ethyl benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichlorodifluoromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Fluorotrichloromethane-Freon11	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Hexachlorobutadiene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Isopropylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m,p-Xylenes	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Naphthalene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Propylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Xylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Tetrachloroethylene (PCE)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Isopropyltoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		sec-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Styrene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		trans-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		tert-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichloroethylene (TCE)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichlorotrifluoroethane (Freon	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		trans-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Toluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Vinyl chloride (VC)	ND	ug/l	0.30
(EPA 524.2)		None Detected	ND		
(Surrogate)		1,2-Dichloroethane-d4	100	% Rec	
(Surrogate)		4-Bromofluorobenzene	88	% Rec	

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**Laboratory
 Report
 #40194**

Foster Wheeler Environmental, Inc
 (continued)

Anal	Method	Analyte	Result	Units	MDL
(Surrogate	)	Toluene-d8	106	% Rec	
MW-981-048 (980126141) Sampled on 01/26/98					
01/29/98 (S3113B/E200.9)		Arsenic, Total, GF	ND	mg/l	0.005
02/12/98 (MOD/EPA 300)		Perchlorate	97	ug/l	8.0
01/28/98 (EPA/ML 200.8)		Chromium, Total, ICAP/MS	43	ug/l	10
01/26/98 (ML/SW 7196)		Hexavalent chromium (Cr VI)	0.035	mg/l	0.005
01/28/98 (EPA/ML 200.8)		Lead, Total, ICAP/MS	ND	ug/l	2.0
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2)		1,1,1,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,1-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethylene	0.5	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3,5-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2-Butanone (MEK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		Benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	ND	ug/l	0.50

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**Laboratory
 Report
 #40194**

Foster Wheeler Environmental, Inc
 (continued)

Anal	Method	Analyte	Result	Units	MDL
01/28/98	(ML/EPA 524.2)	Carbon Tetrachloride	11	ug/l	0.50
01/28/98	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.8	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	1.5	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.5	ug/l	0.50
01/28/98	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.7	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30
	(EPA 524.2)	None Detected	ND		
	(Surrogate)	1,2-Dichloroethane-d4	101	% Rec	

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Anal	Method	Analyte	Result	Units	MDL
(Surrogate	)	4-Bromofluorobenzene	99	% Rec	
(Surrogate	)	Toluene-d8	98	% Rec	
MW-981-049 (980126142) Sampled on 01/26/98					
02/05/98 (ML/S2320B	)	Alkalinity	125	mg/l	2.0
02/17/98 (ML/SM1040	)	Anion Sum	6.00	meq/l	0.0010
01/29/98 (S3113B/E200.9	)	Arsenic, Total, GF	ND	mg/l	0.005
02/03/98 (ML/S3111B	)	Calcium, Flame AA	71	mg/l	1.0
02/04/98 (ML/SM1040	)	Cation Sum	6.44	meq/l	0.0010
01/28/98 (ML/EPA 300	)	Chloride	57	mg/l	2.0
02/12/98 (MOD/EPA 300	)	Perchlorate	99	ug/l	8.0
02/17/98 (ML/S2320-B	)	Carbonate as CO3, Calculated	0.124	mg/l	0.0010
01/28/98 (EPA/ML 200.8	)	Chromium, Total, ICAP/MS	40	ug/l	10
01/26/98 (ML/SW 7196	)	Hexavalent chromium (Cr VI)	0.036	mg/l	0.005
01/28/98 (ML/S2510B	)	Specific Conductance	640	umho/cm	4.0
01/28/98 (EPA/ML 200.8	)	Iron, Total, ICAP/MS	94	ug/l	50
02/17/98 (ML/S2320B	)	Bicarbonate as HCO3,calculated	152	mg/l	0.0010
02/04/98 (ML/S3111B	)	Potassium, Flame AA	3.0	mg/l	1.0
02/04/98 (ML/S3111B	)	Magnesium, Flame AA	21	mg/l	1.0
02/04/98 (ML/S3111B	)	Sodium, Flame AA	25	mg/l	1.0
01/28/98 (ML/EPA 300.0	)	Nitrate-N by IC	7.0	mg/l	0.20
01/28/98 (EPA/ML 200.8	)	Lead, Total, ICAP/MS	2.8	ug/l	2.0
01/27/98 (ML/SM 4500H	)	Lab pH	7.1	Units	0.0010
01/28/98 (ML/EPA 300.0	)	Sulfate	67	mg/l	4.0
01/28/98 (ML/S2540C	)	Total Dissolved Solid (TDS)	390	mg/l	10
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2	)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,1,1-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,1,2-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,1-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,1-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,1-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,2,3-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	1,2,3-Trichloropropane	ND	ug/l	0.50

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Anal	Method	Analyte	Result	Units	MDL
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3,5-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2-Butanone (MEK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		Benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	12	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromoform	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	2.9	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromochloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloromethane (Methyl Chloride)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorodibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromodichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Ethyl benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichlorodifluoromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Fluorotrichloromethane-Freon11	1.8	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Hexachlorobutadiene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Isopropylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m,p-Xylenes	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Naphthalene	ND	ug/l	0.50

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 (continued)

Anal	Method	Analyte	Result	Units	MDL
01/28/98 (ML/EPA 524.2)		n-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Propylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Xylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Tetrachloroethylene (PCE)	0.5	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Isopropyltoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		sec-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Styrene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		trans-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		tert-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichloroethylene (TCE)	5.2	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichlorotrifluoroethane (Freon	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		trans-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Toluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Vinyl chloride (VC)	ND	ug/l	0.30
	(EPA 524.2)	None Detected	ND		
	(Surrogate)	1,2-Dichloroethane-d4	102	% Rec	
	(Surrogate)	4-Bromofluorobenzene	97	% Rec	
	(Surrogate)	Toluene-d8	106	% Rec	

MW-981-049 MS (980126143) Sampled on 01/26/98

Regulated VOCs plus Lists 1&3

01/28/98 (ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,1-Dichloroethylene	5.44	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.09	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50

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Anal	Method	Analyte	Result	Units	MDL
01/28/98 (ML/EPA 524.2)		1,3,5-Trimethylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3-Dichloropropane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	4.79	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2,2-Dichloropropane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2-Butanone (MEK)	NA	ug/l	5.0
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	4.44	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0
01/28/98 (ML/EPA 524.2)		Benzene	4.62	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	4.92	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,3-Dichloropropene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromoform	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	4.34	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromochloromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloromethane (Methyl Chloride)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorodibromomethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dibromomethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromodichloromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichloromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Ethyl benzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichlorodifluoromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Fluorotrichloromethane-Freon11	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Hexachlorobutadiene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Isopropylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m,p-Xylenes	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Naphthalene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Butylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Propylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Xylene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50

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Anal	Method	Analyte	Result	Units	MDL
01/28/98	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.74	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Toluene	4.55	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30
	(Surrogate)	1,2-Dichloroethane-d4	91	% Rec	
	(Surrogate)	4-Bromofluorobenzene	106	% Rec	
	(Surrogate)	Toluene-d8	101	% Rec	

MW-981-049 MSD (980126144)

Sampled on 01/26/98

Regulated VOCs plus Lists 1&3

01/28/98	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,1-Dichloroethylene	6.34	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.72	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	5.15	ug/l	0.50
01/28/98	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0

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Foster Wheeler Environmental, Inc
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Anal	Method	Analyte	Result	Units	MDL
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	4.85	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0
01/28/98 (ML/EPA 524.2)		Benzene	5.10	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	5.32	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,3-Dichloropropene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromoform	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	5.05	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromochloromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloromethane (Methyl Chloride)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorodibromomethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dibromomethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromodichloromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichloromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Ethyl benzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichlorodifluoromethane	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Fluorotrichloromethane-Freon11	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Hexachlorobutadiene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Isopropylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m,p-Xylenes	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Naphthalene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Butylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Propylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Xylene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Tetrachloroethylene (PCE)	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Isopropyltoluene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		sec-Butylbenzene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Styrene	NA	ug/l	0.50
01/28/98 (ML/EPA 524.2)		trans-1,2-Dichloroethylene	NA	ug/l	0.50

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Foster Wheeler Environmental, Inc
 (continued)

Anal	Method	Analyte	Result	Units	MDL
01/28/98	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.87	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Toluene	5.17	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30
	(Surrogate)	1,2-Dichloroethane-d4	99	% Rec	
	(Surrogate)	4-Bromofluorobenzene	104	% Rec	
	(Surrogate)	Toluene-d8	101	% Rec	
MW-981-074 (980126145) Sampled on 01/26/98					
02/05/98	(ML/S2320B)	Alkalinity	125	mg/l	2.0
02/17/98	(ML/SM1040)	Anion Sum	3.05	meq/l	0.0010
01/29/98	(S3113B/E200.9)	Arsenic, Total, GF	0.0091	mg/l	0.005
02/03/98	(ML/S3111B)	Calcium, Flame AA	4.7	mg/l	1.0
02/04/98	(ML/SM1040)	Cation Sum	3.35	meq/l	0.0010
01/28/98	(ML/EPA 300)	Chloride	10	mg/l	1.0
02/11/98	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0
02/17/98	(ML/S2320-B)	Carbonate as CO3, Calculated	15	mg/l	0.0010
01/28/98	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10
01/26/98	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005
01/28/98	(ML/S2510B)	Specific Conductance	340	umho/cm	4.0
01/28/98	(EPA/ML 200.8)	Iron, Total, ICAP/MS	75	ug/l	50
02/17/98	(ML/S2320B)	Bicarbonate as HCO3,calculated	146	mg/l	0.0010
02/04/98	(ML/S3111B)	Potassium, Flame AA	1.2	mg/l	1.0
02/04/98	(ML/S3111B)	Magnesium, Flame AA	ND	mg/l	1.0
02/04/98	(ML/S3111B)	Sodium, Flame AA	71	mg/l	1.0
01/28/98	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10
01/28/98	(EPA/ML 200.8)	Lead, Total, ICAP/MS	7.6	ug/l	2.0
01/27/98	(ML/SM 4500H)	Lab pH	9.2	Units	0.0010
01/28/98	(ML/EPA 300.0)	Sulfate	13	mg/l	2.0
01/28/98	(ML/S2540C)	Total Dissolved Solid (TDS)	220	mg/l	10
Regulated VOCs plus Lists 1&3					
01/28/98	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50

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Anal	Method	Analyte	Result	Units	MDL
01/28/98 (ML/EPA 524.2)		1,1,2,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3,5-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2-Butanone (MEK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		Benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromoform	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromochloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloromethane (Methyl Chloride)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorodibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromodichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Ethyl benzene	ND	ug/l	0.50

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Anal	Method	Analyte	Result	Units	MDL
01/28/98	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30
	(EPA 524.2)	None Detected	ND		
	(Surrogate)	1,2-Dichloroethane-d4	117	% Rec	
	(Surrogate)	4-Bromofluorobenzene	99	% Rec	
	(Surrogate)	Toluene-d8	107	% Rec	
MW-981-075 (980126146) Sampled on 01/26/98					
02/05/98	(ML/S2320B)	Alkalinity	150	mg/l	2.0
02/17/98	(ML/SM1040)	Anion Sum	3.63	meq/l	0.0010
01/29/98	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005
02/03/98	(ML/S3111B)	Calcium, Flame AA	19	mg/l	1.0
02/17/98	(ML/SM1040)	Cation Sum	3.85	meq/l	0.0010
01/28/98	(ML/EPA 300)	Chloride	11	mg/l	1.0
02/11/98	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0
02/17/98	(ML/S2320-B)	Carbonate as CO3, Calculated	2.97	mg/l	0.0010

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Anal	Method	Analyte	Result	Units	MDL
01/28/98 (EPA/ML 200.8)		Chromium, Total, ICAP/MS	ND	ug/l	10
01/26/98 (ML/SW 7196)		Hexavalent chromium (Cr VI)	ND	mg/l	0.005
01/28/98 (ML/S2510B)		Specific Conductance	370	umho/cm	4.0
01/28/98 (EPA/ML 200.8)		Iron, Total, ICAP/MS	260	ug/l	50
02/17/98 (ML/S2320B)		Bicarbonate as HCO ₃ ,calculated	182	mg/l	0.0010
02/11/98 (ML/S3111B)		Potassium, Flame AA	2.1	mg/l	1.0
02/11/98 (ML/S3111B)		Magnesium, Flame AA	8.7	mg/l	1.0
02/11/98 (ML/S3111B)		Sodium, Flame AA	49	mg/l	1.0
01/28/98 (ML/EPA 300.0)		Nitrate-N by IC	0.37	mg/l	0.10
01/28/98 (EPA/ML 200.8)		Lead, Total, ICAP/MS	ND	ug/l	2.0
01/27/98 (ML/SM 4500H)		Lab pH	8.4	Units	0.0010
01/28/98 (ML/EPA 300.0)		Sulfate	14	mg/l	2.0
01/28/98 (ML/S2540C)		Total Dissolved Solid (TDS)	210	mg/l	10
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2)		1,1,1,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,1-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2,2-Tetrachloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1,2-Trichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,1-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,3-Trichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3,5-Trimethylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,3-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2,2-Dichloropropane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		2-Butanone (MEK)	ND	ug/l	5.0
01/28/98 (ML/EPA 524.2)		o-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0

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Anal	Method	Analyte	Result	Units	MDL
01/28/98 (ML/EPA 524.2)		Benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromomethane (Methyl Bromide)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		cis-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromoform	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromochloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloromethane (Methyl Chloride)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorodibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dibromomethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Bromodichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichloromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Ethyl benzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Dichlorodifluoromethane	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Fluorotrichloromethane-Freon11	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Hexachlorobutadiene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Isopropylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		m,p-Xylenes	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Naphthalene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		n-Propylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Xylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Tetrachloroethylene (PCE)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Isopropyltoluene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		sec-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Styrene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		trans-1,2-Dichloroethylene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		tert-Butylbenzene	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichloroethylene (TCE)	ND	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichlorotrifluoroethane (Freon	ND	ug/l	0.50

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01/28/98	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50
01/28/98	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30
	(EPA 524.2)	Carbon disulfide	4.7	ug/L	
	(Surrogate)	1,2-Dichloroethane-d4	96	% Rec	
	(Surrogate)	4-Bromofluorobenzene	100	% Rec	
	(Surrogate)	Toluene-d8	99	% Rec	

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QC Report
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Foster Wheeler Environmental, Inc

QC Batch #72047**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	2.0
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(80.00 - 120.00)	2.0

QC Batch #72281**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	27	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27	108.0	(80.00 - 120.00)	0.00

QC Batch #72284**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.4	96.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.4	96.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.7	108.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.7	108.0	(80.00 - 120.00)	0.00

QC Batch #72286**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49	98.0	(90.00 - 110.00)	
LCS2	Sulfate	50	49	98.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	54	108.0	(80.00 - 120.00)	
MSD	Sulfate	50	54	108.0	(80.00 - 120.00)	0.00

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

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QC Batch #72312**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	672	96.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72413**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	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.80	120.0	(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	4.01	100.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.62	115.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.57	107.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				

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

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(continued)

MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	4.33	108.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Bromoform	4	4.61	115.3	(70.00 - 130.00)	
MBLK	Bromoform	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	Carbon Tetrachloride	4	4.52	113.0	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
LCS1	Chlorobenzene	4	4.63	115.8	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
LCS1	Chlorodibromomethane	4	4.17	104.2	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Chloroethane	ND				
LCS1	Chloroform (Trichloromethane)	4	4.39	109.7	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Chloromethane (Methyl Chloride)	ND				
MBLK	Dibromomethane	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Dichloromethane	4	4.03	100.8	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	4	4.75	118.8	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
LCS1	Fluorotrichloromethane-Freon11	2	2.25	112.5	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	Naphthalene	ND				
LCS1	Styrene	4	4.30	107.5	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.64	116.0	(70.00 - 130.00)	

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.57	114.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.31	107.7	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.41	120.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.26	113.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.19	114.9	(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	4.25	106.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.62	115.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.05	101.2	(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	4.53	113.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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QC Batch #72416**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0201	100.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0208	104.0	(85.00 - 115.00)	3.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0200	100.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0205	102.5	(85.00 - 115.00)	2.5

QC Batch #72510**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	53.9	107.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	4.2
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.1	106.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	53.4	106.8	(85.00 - 115.00)	0.56

QC Batch #72522**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.9	99.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	19.9	99.5	(80.00 - 120.00)	0.00
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	21.8	109.0	(85.00 - 115.00)	8.1

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QC Batch #72524**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	47.6	95.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.3	94.6	(90.00 - 110.00)	0.63
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	46.4	92.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	50.9	101.8	(85.00 - 115.00)	9.2

QC Batch #72526**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	18.1	90.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.1	95.5	(90.00 - 110.00)	5.4
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.1	90.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.7	98.5	(85.00 - 115.00)	8.5

QC Batch #72812**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	0.99

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QC Batch #72813**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.7	98.5	(90.00 - 110.00)	2.5
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	0.00

QC Batch #72814**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.2	102.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.1	102.2	(90.00 - 110.00)	0.20
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.4	96.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	48.3	96.6	(85.00 - 115.00)	0.21

QC Batch #72847**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.8	103.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.6	101.5	(80.00 - 120.00)	2.2

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

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QC Batch #72911**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	21.2	106.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	5.3
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	2.0

QC Batch #72913**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.4	102.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.7	93.5	(90.00 - 110.00)	8.7
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.8	104.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.3	96.5	(75.00 - 125.00)	7.5

QC Batch #73211**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	109	109.0	(85.00 - 115.00)	5.7
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	103.	103.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)	2.9

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

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(continued)

QC Batch #73216**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	503	100.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	567	113.4	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	393.	78.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	495.	99.0	(70.00 - 130.00)	23

QC Batch #73221**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.0	100.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	4.9
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	22.9	114.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	6.3

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

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**Laboratory
Report
#40194**

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

Samples Received
26-jan-1998 16:28:20

This report only shows results above the Reporting Limit

Anal	Method	Analyte	Result	Units	MDL
MW-981-094 (980126139) Sampled on 01/26/98					
Regulated VOCs plus Lists 1&3					
(EPA 524.2	)	Unknown RT=3.26	1.2	ug/L	
(EPA 524.2	)	Unknown RT=3.44	1.1	ug/L	
(Surrogate	)	1,2-Dichloroethane-d4	104	% Rec	
(Surrogate	)	4-Bromofluorobenzene	87	% Rec	
(Surrogate	)	Toluene-d8	101	% Rec	
MW-981-095 (980126140) Sampled on 01/26/98 None detected					
Regulated VOCs plus Lists 1&3					
(Surrogate	)	1,2-Dichloroethane-d4	100	% Rec	
(Surrogate	)	4-Bromofluorobenzene	88	% Rec	
(Surrogate	)	Toluene-d8	106	% Rec	
MW-981-048 (980126141) Sampled on 01/26/98					
02/12/98 (MOD/EPA 300	)	Perchlorate	97	ug/l	8.0
01/28/98 (EPA/ML 200.8	)	Chromium, Total, ICAP/MS	43	ug/l	10
01/26/98 (ML/SW 7196	)	Hexavalent chromium (Cr VI)	0.035	mg/l	0.005
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2	)	1,1-Dichloroethylene	0.5	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	Carbon Tetrachloride	11	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	Chloroform (Trichloromethane)	2.8	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	Fluorotrichloromethane-Freon11	1.5	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	Tetrachloroethylene (PCE)	0.5	ug/l	0.50
01/28/98 (ML/EPA 524.2	)	Trichloroethylene (TCE)	4.7	ug/l	0.50
(Surrogate	)	1,2-Dichloroethane-d4	101	% Rec	

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Foster Wheeler Environmental, Inc
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Anal	Method	Analyte	Result	Units	MDL
	(Surrogate)	4-Bromofluorobenzene	99	% Rec	
	(Surrogate)	Toluene-d8	98	% Rec	
MW-981-049 (980126142) Sampled on 01/26/98					
02/05/98 (ML/S2320B)		Alkalinity	125	mg/l	2.0
02/17/98 (ML/SM1040)		Anion Sum	6.00	meq/l	0.0010
02/03/98 (ML/S3111B)		Calcium, Flame AA	71	mg/l	1.0
02/04/98 (ML/SM1040)		Cation Sum	6.44	meq/l	0.0010
01/28/98 (ML/EPA 300)		Chloride	57	mg/l	2.0
02/12/98 (MOD/EPA 300)		Perchlorate	99	ug/l	8.0
02/17/98 (ML/S2320-B)		Carbonate as CO3, Calculated	0.124	mg/l	0.0010
01/28/98 (EPA/ML 200.8)		Chromium, Total, ICAP/MS	40	ug/l	10
01/26/98 (ML/SW 7196)		Hexavalent chromium (Cr VI)	0.036	mg/l	0.005
01/28/98 (ML/S2510B)		Specific Conductance	640	umho/cm	4.0
01/28/98 (EPA/ML 200.8)		Iron, Total, ICAP/MS	94	ug/l	50
02/17/98 (ML/S2320B)		Bicarbonate as HCO3,calculated	152	mg/l	0.0010
02/04/98 (ML/S3111B)		Potassium, Flame AA	3.0	mg/l	1.0
02/04/98 (ML/S3111B)		Magnesium, Flame AA	21	mg/l	1.0
02/04/98 (ML/S3111B)		Sodium, Flame AA	25	mg/l	1.0
01/28/98 (ML/EPA 300.0)		Nitrate-N by IC	7.0	mg/l	0.20
01/28/98 (EPA/ML 200.8)		Lead, Total, ICAP/MS	2.8	ug/l	2.0
01/27/98 (ML/SM 4500H)		Lab pH	7.1	Units	0.0010
01/28/98 (ML/EPA 300.0)		Sulfate	67	mg/l	4.0
01/28/98 (ML/S2540C)		Total Dissolved Solid (TDS)	390	mg/l	10
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2)		Carbon Tetrachloride	12	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	2.9	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Fluorotrichloromethane-Freon11	1.8	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Tetrachloroethylene (PCE)	0.5	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichloroethylene (TCE)	5.2	ug/l	0.50
	(Surrogate)	1,2-Dichloroethane-d4	102	% Rec	
	(Surrogate)	4-Bromofluorobenzene	97	% Rec	
	(Surrogate)	Toluene-d8	106	% Rec	

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Foster Wheeler Environmental, Inc
(continued)

Anal	Method	Analyte	Result	Units	MDL
MW-981-049 MS (980126143)			Sampled on 01/26/98		
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethylene	5.44	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	4.09	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	4.79	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	4.44	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Benzene	4.62	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	4.92	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	4.34	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichloroethylene (TCE)	3.74	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Toluene	4.55	ug/l	0.50
(Surrogate)		1,2-Dichloroethane-d4	91	% Rec	
(Surrogate)		4-Bromofluorobenzene	106	% Rec	
(Surrogate)		Toluene-d8	101	% Rec	
MW-981-049 MSD (980126144)			Sampled on 01/26/98		
Regulated VOCs plus Lists 1&3					
01/28/98 (ML/EPA 524.2)		1,1-Dichloroethylene	6.34	ug/l	0.50
01/28/98 (ML/EPA 524.2)		1,2,4-Trichlorobenzene	4.72	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Dichlorobenzene (1,4-DCB)	5.15	ug/l	0.50
01/28/98 (ML/EPA 524.2)		p-Chlorotoluene	4.85	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Benzene	5.10	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chlorobenzene	5.32	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Chloroform (Trichloromethane)	5.05	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Trichloroethylene (TCE)	4.87	ug/l	0.50
01/28/98 (ML/EPA 524.2)		Toluene	5.17	ug/l	0.50
(Surrogate)		1,2-Dichloroethane-d4	99	% Rec	
(Surrogate)		4-Bromofluorobenzene	104	% Rec	
(Surrogate)		Toluene-d8	101	% Rec	

**MONTGOMERY WATSON LABORATORIES**

555 East Walnut Street
 Pasadena, California 91101
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**Laboratory
 Report
 #40194**

Foster Wheeler Environmental, Inc
 (continued)

Anal	Method	Analyte	Result	Units	MDL
MW-981-074 (980126145) Sampled on 01/26/98					
02/05/98 (ML/S2320B)		Alkalinity	125	mg/l	2.0
02/17/98 (ML/SM1040)		Anion Sum	3.05	meq/l	0.0010
01/29/98 (S3113B/E200.9)		Arsenic, Total, GF	0.0091	mg/l	0.005
02/03/98 (ML/S3111B)		Calcium, Flame AA	4.7	mg/l	1.0
02/04/98 (ML/SM1040)		Cation Sum	3.35	meq/l	0.0010
01/28/98 (ML/EPA 300)		Chloride	10	mg/l	1.0
02/17/98 (ML/S2320-B)		Carbonate as CO ₃ , Calculated	15	mg/l	0.0010
01/28/98 (ML/S2510B)		Specific Conductance	340	umho/cm	4.0
01/28/98 (EPA/ML 200.8)		Iron, Total, ICAP/MS	75	ug/l	50
02/17/98 (ML/S2320B)		Bicarbonate as HCO ₃ ,calculated	146	mg/l	0.0010
02/04/98 (ML/S3111B)		Potassium, Flame AA	1.2	mg/l	1.0
02/04/98 (ML/S3111B)		Sodium, Flame AA	71	mg/l	1.0
01/28/98 (EPA/ML 200.8)		Lead, Total, ICAP/MS	7.6	ug/l	2.0
01/27/98 (ML/SM 4500H)		Lab pH	9.2	Units	0.0010
01/28/98 (ML/EPA 300.0)		Sulfate	13	mg/l	2.0
01/28/98 (ML/S2540C)		Total Dissolved Solid (TDS)	220	mg/l	10
Regulated VOCs plus Lists 1&3					
(Surrogate)		1,2-Dichloroethane-d ₄	117	% Rec	
(Surrogate)		4-Bromofluorobenzene	99	% Rec	
(Surrogate)		Toluene-d ₈	107	% Rec	
MW-981-075 (980126146) Sampled on 01/26/98					
02/05/98 (ML/S2320B)		Alkalinity	150	mg/l	2.0
02/17/98 (ML/SM1040)		Anion Sum	3.63	meq/l	0.0010
02/03/98 (ML/S3111B)		Calcium, Flame AA	19	mg/l	1.0
02/17/98 (ML/SM1040)		Cation Sum	3.85	meq/l	0.0010
01/28/98 (ML/EPA 300)		Chloride	11	mg/l	1.0
02/17/98 (ML/S2320-B)		Carbonate as CO ₃ , Calculated	2.97	mg/l	0.0010
01/28/98 (ML/S2510B)		Specific Conductance	370	umho/cm	4.0
01/28/98 (EPA/ML 200.8)		Iron, Total, ICAP/MS	260	ug/l	50
02/17/98 (ML/S2320B)		Bicarbonate as HCO ₃ ,calculated	182	mg/l	0.0010
02/11/98 (ML/S3111B)		Potassium, Flame AA	2.1	mg/l	1.0
02/11/98 (ML/S3111B)		Magnesium, Flame AA	8.7	mg/l	1.0

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**Laboratory
Report
#40194**

Foster Wheeler Environmental, Inc
(continued)

Anal	Method	Analyte	Result	Units	MDL
02/11/98 (ML/S3111B)		Sodium, Flame AA	49	mg/l	1.0
01/28/98 (ML/EPA 300.0)		Nitrate-N by IC	0.37	mg/l	0.10
01/27/98 (ML/SM 4500H)		Lab pH	8.4	Units	0.0010
01/28/98 (ML/EPA 300.0)		Sulfate	14	mg/l	2.0
01/28/98 (ML/S2540C)		Total Dissolved Solid (TDS)	210	mg/l	10
Regulated VOCs plus Lists 1&3					
(EPA 524.2)		Carbon disulfide	4.7	ug/L	
(Surrogate)		1,2-Dichloroethane-d4	96	% Rec	
(Surrogate)		4-Bromofluorobenzene	100	% Rec	
(Surrogate)		Toluene-d8	99	% Rec	



MONTGOMERY WATSON LABORATORIES

February 10, 1998

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

Attention: Mark Cutler

Re: Report # 40227 (MW-981-096, -097, -076, -076MS,
MW-981-076MSD, -077, -078, -068, -069, -069MS, -069MSD)

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):

(Fe) An MS/MSD for Iron was performed on sample MW-981-076. Recoveries were unable to be calculated due to matrix interference. The sample batch, for 2/4/98 prep, was linked to a different MS/MSD sample which was prepped in that same batch. Arsenic, Lead, and Chrome recoveries on MW-981-076 were acceptable.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Extra volume for MW-981-069 VOC's, MW-981-07 Metals were submitted for MS/MSD QC batching, as needed by the laboratory. The spiking level for metals are 20 ug/L for arsenic and lead and 100 ug/L for chromium.

MW-981-098 had multiple hits for VOCs

Chloroform was detected in sample ID: MW-981-076

Carbon Tetrachloride was detected in sample ID: MW-981-076

Perchlorate was detected in sample ID: MW-981-076

TICs

Hexane was detected in sample ID: MW-981-068

Unknown (RT 3.41) was detected in sample ID: MW-981-097

Carbon Disulfide was detected in sample ID: MW-981-096

The detection of Carbon Disulfide is determined to be analytical carryover. Re-analysis of the sample past HT is non detect, ND, for this compound. See the attached fax dated 2/9/98. Re-analysis raw data will be included in the level IV deliverable.

Sincerely,

Debbie Frank
Project Manager

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis



MONTGOMERY WATSON LABORATORIES

555 E WALNUT ST. o Pasadena o CA o USA o 91101

PH# 818/568-6400

FAX: 818/568-6324

Date:

FAKED
February 9, 1998

Total # of pages including cover sheet: 1

To: **Mark Cutler**
FWEN

Recipient Fax: **(714) 444-5560**

Recipient Ph#: **(714) 444-5526**

From: **Debbie Frank**

Sender Phone: **(800) 566-5227** or
(818) 568-6449

Re: **Carbon Disulfide Carry over**

Mark,

The Following samples appear to have been affected by carryover in the Volatiles analysis. We are seeing hits of Carbon Disulfide where they are not expected in several of our clients' samples. We did not see this compound in our Method blank, thus we are re running past HT to confirm the source of this compound. We suspect carry over of the Carbon Disulfide, because we did have a client's samples in the runs prior to this analysis that contained this compound.

GP#	Lab ID#	Client ID #
40122	980122108	MW-981 -090
	110	-016
40170	980123122	-092
	123	-093
	124	-043
	125	-046
40194	980126146	-075
40227	980127136	-096
40255	980128116	-100
	122	-056

Please call me if you have any questions.

DEB

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

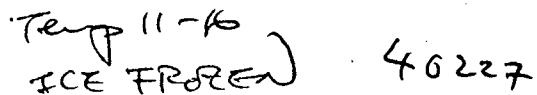
PROJECT: 3PL Date Received: 1/27/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 1/27/98
 by (print) W. THAM (sign) W. THAM

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No ☐
 If YES, attach & enter carrier and air bill # here: _____
2. Were custody seals on outside of cooler? Yes ☒ No ☐
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____
3. Were custody seals unbroken & intact at delivery? Yes No ☐
for all bottles
4. Were custody papers sealed in bag & taped to lid? Yes ☒ No ☐
5. Were custody papers filled out properly (ink, etc.) Yes No ☐
6. Did you sign custody papers in appropriate place? Yes No ☐
7. Was project identifiable from custody papers? Yes No ☐
8. Have designated person(s) initial to acknowledge receipt: WTH (date) 1/27/98

B. LOG-IN PHASE: Date samples were logged-in: WTH by: _____
 (print) W. THAM (sign) W. THAM

9. Describe packing: _____
10. If required, was enough ice used? Yes No ☐
11. Were all bottles sealed in separate plastic bags? Yes No ☐
12. Did all bottles arrive unbroken/in good condition? Yes No ☐
13. Were all bottle labels complete (ID, date, sign, pres)? Yes No ☐
14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. Yes No ☐
15. Were correct containers used for the analytes? Yes No ☐
16. Were correct preservatives used when required? Yes No ☐
17. Was sufficient amount of sample sent for tests? Yes No ☐
18. Bubbles absent in VOA vials?
 If NO, list by sample id on back. Yes No ☐
19. Was Client Services informed of problems? Yes No ☐



1952 11.11.6

Page 1 of 1

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MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
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

MONTGOMERY WATSON LABS.
SUBMITTED ON

MAR 06 1998

DEB* Debbie Frank

Report#: 40227
JPL

**MONTGOMERY WATSON LABORATORIES**

555 East Walnut Street
Pasadena, California 91101
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Laboratory
Report
#40227

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
TW-981-096 (980127136)				Sampled on 01/27/98				
Regulated VOCs plus Lists 1&3								
01/28/98	72413	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
01/28/98	72413	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
01/28/98	72413	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1	
01/28/98	72413	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1	



MONTGOMERY WATSON LABORATORIES

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Laboratory
Report
#40227

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/28/98	72413	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	5.3	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

**MONTGOMERY WATSON LABORATORIES**

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**Laboratory
 Report
 #40227**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-097 (980127137)				Sampled on 01/27/98				
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
02/04/98	02/17/98	73338	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/27/98	72114	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/04/98	02/17/98	73340	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	01/28/98	72413	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/28/98	72413	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/28/98	72413	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1



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#40227

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/28/98	72413	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorobromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=3.41)	2.9	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	91	µ Rec		
			(Surrogate)	4-Bromofluorobenzene	100	µ Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	105	% Rec		
MW-981-076 (980127138) Sampled on 01/27/98								
	02/05/98	72847	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	3.76	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	11	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	3.44	meq/l	0.0010	1
	01/28/98	72281	(ML/EPA 300)	Chloride	21	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	6.5	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	4.22	mg/l	0.0010	1
02/04/98	02/17/98	73338	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/27/98	72114	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	390	umho/cm	4.0	1
02/04/98	02/17/98	73339	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1300	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	163	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	42	mg/l	1.0	1
	01/28/98	72284	(ML/EPA 300.0)	Nitrate-N by IC	0.18	mg/l	0.10	1
02/04/98	02/17/98	73340	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/28/98		(ML/SM 4500H)	Lab pH	8.6	Units	0.0010	1
	01/28/98	72286	(ML/EPA 300.0)	Sulfate	22	mg/l	2.0	1
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/28/98	72413	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(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
	01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/28/98	72413	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/28/98	72413	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Carbon Tetrachloride	1.2	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.7	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/28/98	72413	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		
MW-981-076 MS (980127139) Sampled on 01/27/98								
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	0.0204	mg/l	0.005	1
02/04/98	02/17/98	73338	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	95.9	ug/l	10	1
02/04/98	02/17/98	73340	(EPA/ML 200.8)	Lead, Total, ICAP/MS	18.6	ug/l	2.0	1
MW-981-076 MSD (980127140) Sampled on 01/27/98								
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	0.0212	mg/l	0.005	1
02/04/98	02/17/98	73338	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	97.0	ug/l	10	1
02/04/98	02/17/98	73340	(EPA/ML 200.8)	Lead, Total, ICAP/MS	18.9	ug/l	2.0	1
MW-981-077 (980127141) Sampled on 01/27/98								
	02/05/98	72847	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.70	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	42	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.44	meq/l	0.0010	1
	01/28/98	72281	(ML/EPA 300)	Chloride	12	mg/l	1.0	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.551	mg/l	0.0010	1
02/04/98	02/17/98	73338	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/27/98	72114	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	480	umho/cm	4.0	1
02/04/98	02/17/98	73339	(EPA/ML 200.8)	Iron, Total, ICAP/MS	820	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	213	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	20	mg/l	1.0	1
	01/28/98	72284	(ML/EPA 300.0)	Nitrate-N by IC	0.91	mg/l	0.10	1
02/04/98	02/17/98	73340	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/28/98		(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	01/28/98	72286	(ML/EPA 300.0)	Sulfate	38	mg/l	2.0	1
	01/28/98	72312	(ML/S2540C)	Total Dissolved Solid (TDS)	280	mg/l	10	1

Regulated VOCs plus Lists 1&3

01/28/98	72413	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
01/28/98	72413	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
01/28/98	72413	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1

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**Laboratory
Report
#40227**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/28/98	72413	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/28/98	72413	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
 Report
 #40227

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/28/98	72413	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/28/98	72413	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/28/98	72413	(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	98	‡ Rec		
			(Surrogate)	4-Bromofluorobenzene	100	‡ Rec		
			(Surrogate)	Toluene-d8	100	‡ Rec		
MW-981-078 (980127142) Sampled on 01/27/98								
	02/05/98	72847	(ML/S2320B)	Alkalinity	195	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	5.24	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	48	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.95	meq/l	0.0010	1
	01/28/98	72281	(ML/EPA 300)	Chloride	17	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.389	mg/l	0.0010	1
02/04/98	02/17/98	73338	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/27/98	72114	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	565	umho/cm	4.0	1
02/04/98	02/17/98	73339	(EPA/ML 200.8)	Iron, Total, ICAP/MS	650	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	238	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	21	mg/l	1.0	1
	01/28/98	72284	(ML/EPA 300.0)	Nitrate-N by IC	1.5	mg/l	0.10	1
02/04/98	02/17/98	73340	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/28/98		(ML/SM 4500H)	Lab pH	7.4	Units	0.0010	1
	01/28/98	72286	(ML/EPA 300.0)	Sulfate	36	mg/l	2.0	1
	02/02/98	72419	(ML/S2540C)	Total Dissolved Solid (TDS)	320	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	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
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate	4-Bromofluorobenzene	97	% Rec		
			(Surrogate	Toluene-d8	100	% Rec		

MW-981-068 (980127143) Sampled on 01/27/98

	02/05/98	72847	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.02	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	28	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	3.88	meq/l	0.0010	1
	01/28/98	72281	(ML/EPA 300)	Chloride	9.0	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.31	mg/l	0.0010	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/27/98	72114	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	450	umho/cm	4.0	1
02/04/98	02/17/98	73256	(EPA/ML 200.8)	Iron, Total, ICAP/MS	540	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	201	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	9.4	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	38	mg/l	1.0	1
	01/28/98	72284	(ML/EPA 300.0)	Nitrate-N by IC	0.99	mg/l	0.10	1
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/28/98		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	01/28/98	72286	(ML/EPA 300.0)	Sulfate	19	mg/l	2.0	1
	02/02/98	72419	(ML/S2540C)	Total Dissolved Solid (TDS)	250	mg/l	10	1

Regulated VOCs plus Lists 1&3

01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	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
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1

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Laboratory
 Report
 #40227

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Hexane	7.4	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		
TW-981-069 (980127144) Sampled on 01/27/98								
	02/05/98	72847	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	3.64	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	20	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	3.68	meq/l	0.0010	1
	01/28/98	72281	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.87	mg/l	0.0010	1
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/27/98	72114	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	01/28/98		(ML/S2510B)	Specific Conductance	405	umho/cm	4.0	1
02/04/98	02/17/98	73256	(EPA/ML 200.8)	Iron, Total, ICAP/MS	450	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	182	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	9.7	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	42	mg/l	1.0	1
	01/28/98	72284	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/28/98		(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	01/28/98	72286	(ML/EPA 300.0)	Sulfate	7.1	mg/l	2.0	1
	02/02/98	72419	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	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
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1

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**Laboratory
 Report
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	83	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-981-069 MS (980127145)

Sampled on 01/27/98

Regulated VOCs plus Lists 1&3

01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	4.9	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	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
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.2	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.3	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	4.0	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	4.6	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	4.9	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.5	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.7	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	4.9	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	92	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-981-069 MSD (980127146)

Sampled on 01/27/98

Regulated VOCs plus Lists 1&3

01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	5.0	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.47	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
01/29/98	72398	(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
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.6	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	4.48	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	5.1	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	5.4	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.3	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.15	103.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.48	93.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.13	103.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.21	105.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.11	102.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.11	77.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72812**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	0.99

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

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QC Batch #72847**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.8	103.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.6	101.5	(80.00 - 120.00)	2.2

QC Batch #72911**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	21.2	106.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	5.3
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	2.0

QC Batch #72948**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	1.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	3.8

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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QC Batch #73251**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97.9	97.9	(85.00 - 115.00)	4.1
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.2	98.2	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.8	98.8	(70.00 - 130.00)	0.61

QC Batch #73256**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	538	107.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	478	95.6	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	439.	87.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	418.	83.6	(70.00 - 130.00)	4.9

QC Batch #73261**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.3	106.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.6	103.0	(85.00 - 115.00)	3.3
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.6	103.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.9	99.5	(70.00 - 130.00)	3.5

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

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QC Batch #73338**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97.9	97.9	(85.00 - 115.00)	4.1
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.2	98.2	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.8	98.8	(70.00 - 130.00)	0.61

QC Batch #73339**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	538	107.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	478	95.6	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	439	87.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	418	83.6	(70.00 - 130.00)	4.9

QC Batch #73340**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.3	106.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.6	103.0	(85.00 - 115.00)	3.3
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.6	103.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.9	99.5	(70.00 - 130.00)	3.5

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

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	5.1	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	5.1	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	106	µg Rec		
			(Surrogate)	4-Bromofluorobenzene	93	µg Rec		
			(Surrogate)	Toluene-d8	101	µg Rec		

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QC Batch #72114**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	2.0
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(80.00 - 120.00)	2.0

QC Batch #72281**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	27	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27	108.0	(80.00 - 120.00)	0.00

QC Batch #72284**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.4	96.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.4	96.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.7	108.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.7	108.0	(80.00 - 120.00)	0.00

QC Batch #72286**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49	98.0	(90.00 - 110.00)	
LCS2	Sulfate	50	49	98.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	54	108.0	(80.00 - 120.00)	
MSD	Sulfate	50	54	108.0	(80.00 - 120.00)	0.00

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

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QC Batch #72312**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	672	96.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72398**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	4.49	112.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.04	101.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.72	118.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.91	122.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	5.01	125.2	(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	3.84	96.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.20	105.0	(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	8.77	109.6	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				

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MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.52	113.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.41	110.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.50	112.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.57	114.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.88	122.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.82	120.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	5.13	128.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	5.19	129.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.21	110.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.62	115.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.76	119.0	(70.00 - 130.00)

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

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
QC Report
#40227

Foster Wheeler Environmental, Inc
(continued)

MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	5.16	129.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.70	117.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.51	125.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.26	113.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	5.00	125.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	10.2	127.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.12	103.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	5.08	127.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.38	109.5	(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	4.87	121.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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

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Laboratory
QC Report
#40227

Foster Wheeler Environmental, Inc
(continued)

QC Batch #72413**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	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.50	112.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.80	120.0	(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	4.01	100.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.62	115.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.57	107.1	(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	4.33	108.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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

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Laboratory
QC Report
#40227

Foster Wheeler Environmental, Inc
(continued)

LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.61	115.3	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.52	113.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.63	115.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.17	104.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.39	109.7	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.03	100.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.75	118.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.25	112.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.30	107.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.64	116.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.57	114.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.31	107.7	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.41	120.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.26	113.0	(70.00 - 130.00)

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

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Laboratory
 QC Report
 #40227

Foster Wheeler Environmental, Inc
 (continued)

MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.19	114.9	(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	4.25	106.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.62	115.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.05	101.2	(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	4.53	113.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72419**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	670	95.7	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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



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Laboratory
QC Report
#40227

Foster Wheeler Environmental, Inc
(continued)

QC Batch #72667

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	3.60	90.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.10	102.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.71	92.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.97	74.2	(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	4.09	102.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.62	90.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.86	98.2	(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	3.07	76.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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

**MONTGOMERY WATSON LABORATORIES**

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1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#40227

Foster Wheeler Environmental, Inc
(continued)

LCS1	Bromodichloromethane	4	3.78	94.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.06	101.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	2.94	73.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.81	95.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.03	100.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.12	78.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.99	99.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.92	96.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.61	90.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.58	89.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.39	84.8	(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	1.97	98.5	(70.00 - 130.00)

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



MONTGOMERY WATSON LABORATORIES

February 17, 1998

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

Attention: Mark Cutler

Re: Report # 40255 (MW-981-100, -099, -070, -072, -071,
MW-981-073, -056, -056MS, -056MSD, -057)

Dear Mark,

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

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

None

Samples requiring dilution (with increased MRL's):

MW-981-073, 072 were diluted for anions

Method blanks with compounds detected:

None

Other Comments:

Extra volume for MW-981-056 Metals were submitted for MS/MSD QC batching, as needed by the laboratory. This sample was not used for QC batching.

Carbon Tetrachloride was detected in sample ID: MW-981-072, -071

Chloroform was detected in sample ID: MW-981-072, -071, -057

Tetrachloroethylene was detected in sample ID: MW-981-072

Trichloroethylene was detected in sample ID: MW-981-072, -071

Perchlorate was detected in sample ID: MW-981-072, -071, -073

TICs

Carbon disulfide was detected in sample ID: MW-981-100, -056 This detection is determined to be laboratory analyte carryover. Re-analysis of the samples past HT are Non Detect for this compound. See the copy of the FAX dated 2/9/98 attached. Re-analysis raw data will be included in Level IV deliverable.

Method Variance:

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 818-568-6400/FAX: 818-568-6324

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40255
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 01/28/98. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Montgomery Watson Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980128116	MW-981-100	@EBASVOA	Water	01/28/98
980128117	MW-981-099	@EBASVOA AS-GF PB-MS CR-MS CR-VI CLO4	Water	01/28/98
980128118	MW-981-070	@EBASVOA AS-GF PB-MS CR-MS TDS CATION ANION1 PH EC HCO3 CO3 ALK NO3 SO4 CL FE-MS K-FL NA-FL MG-FL CA-FL CR-VI CLO4	Water	01/28/98
980128119	MW-981-072	@EBASVOA CLO4 CR-VI CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION CATION TDS CR-MS PB-MS AS-GF	Water	01/28/98
980128120	MW-981-071	@EBASVOA CLO4 CR-VI CR-MS PB-MS AS-GF	Water	01/28/98
980128121	MW-981-073	@EBASVOA AS-GF PB-MS CR-MS TDS CATION ANION1 PH EC HCO3 CO3 ALK NO3 SO4 CL FE-MS K-FL NA-FL MG-FL CA-FL CR-VI CLO4	Water	01/28/98
980128122	MW-981-056	@EBASVOA CLO4 CR-VI CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION CATION TDS CR-MS PB-MS AS-GF	Water	01/28/98
980128123	MW-981-056 MS	AS-GF PB-MS CR-MS	Water	01/28/98

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40255
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980128124	MW-981-056	MSD	Water	01/28/98
		CR-MS PB-MS AS-GF		
980128125	MW-981-057		Water	01/28/98
		@EBASVOA CLO4 CR-VI CA-FL MG-FL		
		NA-FL K-FL FE-MS CL SO4 NO3		
		ALK CO3 HCO3 EC PH ANION		
		CATION TDS CR-MS PB-MS AS-GF		

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

40255

Temp 18
ICB7022GN

FOSTER WHEELER ENVIRONMENTAL CORPORATION

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1140

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1

Project : JPL		OFS No. 1571.0233		HAZARD IDENTIFICATION:		Time Required										
Project Address: 4500 OAK GLEN DR PASADENA CA		Sampler (Name):		Nonhazard ☒ Flammable ☐ Skin Irritant ☐ Reactive ☐ Toxic ☐ Infectious ☐		NORMAL ☒ DAYS RUSH ☐ DAYS										
Laboratory: MONTECALI WATSON LABS		Reports to Be Sent to: M. Z. MALLI COTLER		ANALYSES REQUIRED												
SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOCs (SL4.2)	TOTAL AS-C-PO	MAJOR ANIONS	HEX CR	PERCUTANEOUS	MS (MSD) AS-C-PO			
					WATER	SOIL	OTHER (Describe)									
MW-931-000	0800	1/25/93	2	2x40ml	X			X						980128116		
MW-931-099	0805		5	2x40ml 1x25ml 2x125ml	X			X	X		X	X			17	
MW-931-070	0855		6	2x40ml 1x25ml 2x125ml 1x50ml	X			X	X	X	X	X			18	
MW-931-072	0900		6	↓	X			X	X	X	X	X			19	
MW-931-071	1020		5	2x40ml 1x25ml 2x125ml	X			X	X		X	X			20	
MW-931-073	1100		6	2x40ml 1x25ml 2x125ml 1x50ml	X			X	X	X	X	X			21	
MW-931-056	1245		6	2x40ml 2x50ml 2x125ml	X			X	X	X	X	X			22	
MW-931-057	1415		6	2x40ml 1x25ml 2x125ml 1x50ml	X			X	X	X	X	X			23	25
LABORATORY INSTRUCTIONS/COMMENTS:																
LEVEL IV QA/QC																
Relinquished by: (Signature)		Date: 1/28/93		Received by: (Signature)		Date: 1/28/93		Relinquished by: (Signature)		Date: 1/28/93		Received by: (Signature)				
Company: FWENC		Time: 15:26		Company: FWENC		Time: 15:25		Company: FWENC		Time: 15:25		Company: FWENC				

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: JPL Date Received: 1/28/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 1/28/98
 by (print) W. 7421 (sign) Warner

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No
 If YES, attach & enter carrier and air bill # here: _____
2. Were custody seals on outside of cooler? Yes ☒ No
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____
3. Were custody seals unbroken & intact at delivery? ☒ Yes No
For all bottles
4. Were custody papers sealed in bag & taped to lid? Yes ☐ No
5. Were custody papers filled out properly (ink, etc.) ☒ Yes No
6. Did you sign custody papers in appropriate place? ☒ Yes No
7. Was project identifiable from custody papers? ☒ Yes No
8. Have designated person(s) initial to acknowledge receipt: W (date) 1/28/98

B. LOG-IN PHASE: Date samples were logged-in: 1/28/98 by:
 (print) W. 7421 (sign) Warner

9. Describe packing: _____
10. If required, was enough ice used? ☒ Yes No
11. Were all bottles sealed in separate plastic bags? ☒ Yes No
12. Did all bottles arrive unbroken/in good condition? ☒ Yes No
13. Were all bottle labels complete (ID, date, sign, pres)? ☒ Yes No
14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. ☒ Yes No
15. Were correct containers used for the analytes? ☒ Yes No
16. Were correct preservatives used when required? ☒ Yes No
17. Was sufficient amount of sample sent for tests? ☒ Yes No
18. Bubbles absent in VOA vials?
 If NO, list by sample id on back. Yes ☐ No
19. Was Client Services informed of problems? Yes ☒ No

Report Summary of positive results, PR40255

			Result	MDL	UNITS
Analyzed	980128116	MW-981-100			
Analyzed	980128117	MW-981-099			
Analyzed	980128118	MW-981-070			
02/05/98	Alkalinity		145	2.000	MGL
02/17/98	Anion Sum		4.21	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated		176	.001	MGL
02/12/98	Calcium, Flame AA		33	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		1.44	.001	MGL
02/17/98	Cation Sum		4.16	.001	MEQL
01/30/98	Chloride		21	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		55	*****	UGL
01/29/98	Lab pH		8.1	.001	UNIT
02/11/98	Magnesium, Flame AA		12	1.000	MGL
01/30/98	Nitrate-N by IC		7.1	.100	MGL
02/11/98	Potassium, Flame AA		1.9	1.000	MGL
02/11/98	Sodium, Flame AA		34	1.000	MGL
02/04/98	Specific Conductance		485	4.000	UMHO
01/30/98	Sulfate		10	2.000	MGL
02/02/98	Total Dissolved Solid (TDS)		270	10.000	MGL
Analyzed	980128119	MW-981-072			
01/29/98	Carbon Tetrachloride		1.9	.500	UGL
01/29/98	Chloroform (Trichloromethane)		1.8	.500	UGL
01/29/98	Tetrachloroethylene (PCE)		0.55	.500	UGL
01/29/98	Trichloroethylene (TCE)		2.7	.500	UGL
02/05/98	Alkalinity		160	2.000	MGL
02/17/98	Anion Sum		7.93	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated		195	.001	MGL
02/12/98	Calcium, Flame AA		50	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		0.201	.001	MGL
02/17/98	Cation Sum		6.26	.001	MEQL
01/30/98	Chloride		78	2.000	MGL
02/17/98	Iron, Total, ICAP/MS		310	*****	UGL
01/29/98	Lab pH		7.2	.001	UNIT
02/11/98	Magnesium, Flame AA		29	1.000	MGL
01/30/98	Nitrate-N by IC		9.1	.200	MGL
02/11/98	Perchlorate		30	4.000	UGL
02/11/98	Potassium, Flame AA		2.6	1.000	MGL
02/11/98	Sodium, Flame AA		30	1.000	MGL
02/04/98	Specific Conductance		910	4.000	UMHO
01/30/98	Sulfate		90	4.000	MGL
02/02/98	Total Dissolved Solid (TDS)		500	10.000	MGL
Analyzed	980128120	MW-981-071			
01/29/98	Carbon Tetrachloride		1.7	.500	UGL
01/29/98	Chloroform (Trichloromethane)		1.7	.500	UGL
01/29/98	Trichloroethylene (TCE)		2.4	.500	UGL
02/11/98	Perchlorate		32	4.000	UGL

Analyzed	980128121	MW-981-073			
02/05/98	Alkalinity	175	2.000	MGL	
02/17/98	Anion Sum	6.26	.001	MEQL	
02/17/98	Bicarbonate as HCO ₃ ,calculated	213	.001	MGL	
02/12/98	Calcium, Flame AA	51	1.000	MGL	
02/17/98	Carbonate as CO ₃ , Calculated	0.138	.001	MGL	
02/17/98	Cation Sum	5.54	.001	MEQL	
01/30/98	Chloride	42	2.000	MGL	
02/17/98	Iron, Total, ICAP/MS	140	*****	UGL	
01/29/98	Lab pH	7.0	.001	UNIT	
02/11/98	Magnesium, Flame AA	22	1.000	MGL	
01/30/98	Nitrate-N by IC	4.9	.200	MGL	
02/11/98	Perchlorate	9.6	4.000	UGL	
02/11/98	Potassium, Flame AA	3.5	1.000	MGL	
02/11/98	Sodium, Flame AA	25	1.000	MGL	
02/04/98	Specific Conductance	740	4.000	UMHO	
01/30/98	Sulfate	59	4.000	MGL	
02/02/98	Total Dissolved Solid (TDS)	400	10.000	MGL	

Analyzed	980128122	MW-981-056			
02/05/98	Alkalinity	130	2.000	MGL	
02/17/98	Anion Sum	3.31	.001	MEQL	
02/17/98	Bicarbonate as HCO ₃ ,calculated	158	.001	MGL	
02/12/98	Calcium, Flame AA	17	1.000	MGL	
02/17/98	Carbonate as CO ₃ , Calculated	2.05	.001	MGL	
02/17/98	Cation Sum	3.18	.001	MEQL	
01/30/98	Chloride	11	1.000	MGL	
02/17/98	Iron, Total, ICAP/MS	120	*****	UGL	
01/29/98	Lab pH	8.3	.001	UNIT	
02/11/98	Magnesium, Flame AA	2.0	1.000	MGL	
02/11/98	Potassium, Flame AA	1.2	1.000	MGL	
02/11/98	Sodium, Flame AA	49	1.000	MGL	
02/04/98	Specific Conductance	415	4.000	UMHO	
01/30/98	Sulfate	19	2.000	MGL	
02/02/98	Total Dissolved Solid (TDS)	240	10.000	MGL	

Analyzed	980128123	MW-981-056 MS			

Analyzed	980128124	MW-981-056 MSD			

Analyzed	980128125	MW-981-057			
01/29/98	Chloroform (Trichloromethane)	0.5	.500	UGL	
02/05/98	Alkalinity	155	2.000	MGL	
02/17/98	Anion Sum	3.87	.001	MEQL	
02/17/98	Bicarbonate as HCO ₃ ,calculated	188	.001	MGL	
02/20/98	Calcium, Flame AA	41	1.000	MGL	
02/17/98	Carbonate as CO ₃ , Calculated	1.94	.001	MGL	
02/21/98	Cation Sum	4.31	.001	MEQL	
01/30/98	Chloride	11	1.000	MGL	
02/24/98	Iron, Total, ICAP/MS	830	*****	UGL	
01/29/98	Lab pH	8.2	.001	UNIT	
02/20/98	Magnesium, Flame AA	13	1.000	MGL	
02/20/98	Potassium, Flame AA	2.4	1.000	MGL	
02/20/98	Sodium, Flame AA	26	1.000	MGL	
02/04/98	Specific Conductance	445	4.000	UMHO	

01/30/98
02/04/98

Sulfate
Total Dissolved Solid (TDS)

22
260

2.000
10.000

MGL
MGL



MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

FEB 27 1993

DEB* Debbie Frank

Report#: 40255
JPL

**MONTGOMERY WATSON LABORATORIES**

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1 800 566 LABS (1 800 566 5227)

**Laboratory
Report
#40255**

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

Samples Received
28-Jan-1998 15:45:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-100 (980128116)				Sampled on 01/28/98				
Regulated VOCs plus Lists 1&3								
01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

**MONTGOMERY WATSON LABORATORIES**

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 1 800 566 LABS (1 800 566 5227)

**Laboratory
 Report
 #40255**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	1.8	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	89	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

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**Laboratory
 Report
 #40255**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-099 (980128117)			Sampled on 01/28/98					
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/28/98	72176	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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**Laboratory
Report
#40255**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(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	103	% Rec		

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**Laboratory
 Report
 #40255**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	863	% Rec		
MW-981-070 (980128118) Sampled on 01/28/98								
	02/05/98	72847	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.21	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	33	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.16	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	21	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.44	mg/l	0.0010	1
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/28/98	72176	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	485	umho/cm	4.0	1
02/04/98	02/17/98	73256	(EPA/ML 200.8)	Iron, Total, ICAP/MS	55	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	176	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	34	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	7.1	mg/l	0.10	1
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/29/98		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	10	mg/l	2.0	1
	02/02/98	72419	(ML/S2540C)	Total Dissolved Solid (TDS)	270	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(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
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1


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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

MW-981-072 (980128119) Sampled on 01/28/98

	02/05/98	72849	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	7.93	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	50	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	6.26	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	78	mg/l	2.0	2
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	30	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.201	mg/l	0.0010	1
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/28/98	72176	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	910	umho/cm	4.0	1
02/04/98	02/17/98	73256	(EPA/ML 200.8)	Iron, Total, ICAP/MS	310	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	29	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	30	mg/l	1.0	1

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**Laboratory
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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	9.1	mg/l	0.20	2
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/29/98		(ML/SM 4500H)	Lab pH	7.2	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	90	mg/l	4.0	2
	02/02/98	72419	(ML/S2540C)	Total Dissolved Solid (TDS)	500	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	1.9	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.8	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.55	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.7	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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Laboratory
 Report
 #40255

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-071 (980128120)				Sampled on 01/28/98				
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	32	ug/l	4.0	1
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/28/98	72176	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	1.7	ug/l	0.50	1

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**Laboratory
 Report
 #40255**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.7	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.4	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	80	% Rec		

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	99	% Rec		
MW-981-073 (980128121) Sampled on 01/28/98								
	02/05/98	72849	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	6.26	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	51	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	5.54	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	42	mg/l	2.0	2
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	9.6	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.138	mg/l	0.0010	1
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/28/98	72176	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	740	umho/cm	4.0	1
02/04/98	02/17/98	73256	(EPA/ML 200.8)	Iron, Total, ICAP/MS	140	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	3.5	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	22	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	4.9	mg/l	0.20	2
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/29/98		(ML/SM 4500H)	Lab pH	7.0	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	59	mg/l	4.0	2
	02/02/98	72419	(ML/S2540C)	Total Dissolved Solid (TDS)	400	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	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
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	108	% Rec		

MW-981-056 (980128122) Sampled on 01/28/98

	02/05/98	72849	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	3.31	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	17	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	3.18	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	2.05	mg/l	0.0010	1
02/04/98	02/17/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/28/98	72176	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	415	umho/cm	4.0	1
02/04/98	02/17/98	73256	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	1.2	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	2.0	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	49	mg/l	1.0	1

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Laboratory
 Report
 #40255

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
02/04/98	02/17/98	73261	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/29/98		(ML/SM 4500H)	Lab pH	8.3	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	19	mg/l	2.0	1
	02/02/98	72419	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	44	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	104	µ Rec		
			(Surrogate)	4-Bromofluorobenzene	90	µ Rec		
			(Surrogate)	Toluene-d8	104	µ Rec		

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-056 MS (980128123) Sampled on 01/28/98								
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	NA	mg/l	0.005	1
02/04/98	02/16/98	72950	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	NA	ug/l	10	1
02/04/98	02/16/98	72949	(EPA/ML 200.8)	Lead, Total, ICAP/MS	NA	ug/l	2.0	1
MW-981-056 MSD (980128124) Sampled on 01/28/98								
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	NA	mg/l	0.005	1
02/04/98	02/16/98	72950	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	NA	ug/l	10	1
02/04/98	02/16/98	72949	(EPA/ML 200.8)	Lead, Total, ICAP/MS	NA	ug/l	2.0	1
MW-981-057 (980128125) Sampled on 01/28/98								
	02/05/98	72849	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	3.87	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	41	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	4.31	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.94	mg/l	0.0010	1
02/04/98	02/24/98	73526	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/28/98	72176	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	445	umho/cm	4.0	1
02/04/98	02/24/98	73573	(EPA/ML 200.8)	Iron, Total, ICAP/MS	830	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	188	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
02/04/98	02/24/98	73527	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	01/29/98		(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	22	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	260	mg/l	10	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
Regulated VOCs plus Lists 1&3								
01/29/98	72398	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
01/29/98	72398	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
01/29/98	72398	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1	
01/29/98	72398	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	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
	01/29/98	72398	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	01/29/98	72398	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate	4-Bromofluorobenzene	109	% Rec		
			(Surrogate	Toluene-d8	111	% Rec		



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Group Comments

(Balance) The percent difference between the anion sum and cation sum for samples MW-981-072, MW-981-073, and MW-981-57 exceeded the 5%. All analytical results support the reported values, and the cause for the difference could not be isolated.

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QC Batch #72176**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	2.0
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	2.0

QC Batch #72398**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	4.49	112.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.04	101.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.72	118.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.91	122.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	5.01	125.2	(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	3.84	96.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.20	105.0	(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	8.77	109.6	(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.
Criteria for MS and DUP are not applicable for ICR monitoring.

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MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.52	113.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.41	110.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.50	112.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.57	114.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.88	122.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.82	120.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	5.13	128.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	5.19	129.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.21	110.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.62	115.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.76	119.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	5.16	129.0	(70.00 - 130.00)

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MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.70	117.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	2	2.51	125.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.26	113.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	5.00	125.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	10.2	127.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.12	103.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	5.08	127.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.38	109.5	(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	4.87	121.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72419**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	670	95.7	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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

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QC Batch #72494**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	27	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27	108.0	(80.00 - 120.00)	0.00

QC Batch #72496**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	0.00

QC Batch #72498**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50	100.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50	100.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	52	104.0	(80.00 - 120.00)	
MSD	Sulfate	50	52	104.0	(80.00 - 120.00)	0.00

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

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QC Batch #72597**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	678	96.9	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72770**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	3.12	78.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.83	70.8	(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	3.64	91.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.98	87.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				

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

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MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.19	79.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.66	91.5	(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	3.18	79.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.66	91.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.65	91.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.56	89.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.26	81.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.47	86.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.83	91.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.55	88.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.29	82.2	(70.00 - 130.00)

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

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.35	83.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.32	83.0	(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	1.75	87.5	(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	7.19	89.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.54	88.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.72	93.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.35	83.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	2.89	72.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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

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Foster Wheeler Environmental, Inc
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QC Batch #72812**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	0.99

QC Batch #72813**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.7	98.5	(90.00 - 110.00)	2.5
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	0.00

QC Batch #72814**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.2	102.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.1	102.2	(90.00 - 110.00)	0.20
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.4	96.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	48.3	96.6	(85.00 - 115.00)	0.21

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

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QC Batch #72815**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.5	99.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	49.3	98.6	(90.00 - 110.00)	0.40
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	50.6	101.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.1	102.2	(85.00 - 115.00)	0.98

QC Batch #72847**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.7	101.6	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	99.8	103.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.6	101.5	(80.00 - 120.00)	2.2

QC Batch #72849**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	90.6	94.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.9	98.6	(90.00 - 110.00)	4.6
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.9	98.6	(80.00 - 120.00)	
MSD	Alkalinity	96.2	96.6	100.4	(80.00 - 120.00)	1.8

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

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QC Batch #72911**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	21.2	106.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	5.3
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	2.0

QC Batch #72948**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	1.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	3.8

QC Batch #73251**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97.9	97.9	(85.00 - 115.00)	4.1
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.2	98.2	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.8	98.8	(70.00 - 130.00)	0.61

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

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Laboratory
QC Report
#40255

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73256**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	538	107.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	478	95.6	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	439.	87.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	418.	83.6	(70.00 - 130.00)	4.9

QC Batch #73261**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.3	106.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.6	103.0	(85.00 - 115.00)	3.3
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.6	103.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.9	99.5	(70.00 - 130.00)	3.5

QC Batch #73384**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.4	97.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	4.0
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	19.7	98.5	(85.00 - 115.00)	2.5

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

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Laboratory
QC Report
#40255

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73387**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.6	95.2	(90.00 - 110.00)	2.9
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.2	94.4	(85.00 - 115.00)	1.7

QC Batch #73390**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.4	97.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.0	100.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.9	99.5	(85.00 - 115.00)	0.50

QC Batch #73393**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.6	105.2	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.7	105.4	(90.00 - 110.00)	0.19
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.6	103.2	(85.00 - 115.00)	1.3

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

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Laboratory
QC Report
#40255

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73526**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	104	104.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	4.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	94.5	94.5	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.2	99.2	(70.00 - 130.00)	4.9

QC Batch #73527**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.6	103.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.8	104.0	(85.00 - 115.00)	0.97
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.6	98.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.0	100.0	(70.00 - 130.00)	2.0

QC Batch #73573**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	523	104.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	473	94.6	(85.00 - 115.00)	10
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	436	87.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	465	93.0	(70.00 - 130.00)	6.4

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



MONTGOMERY WATSON LABORATORIES

February 17, 1998

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

Attention: Mark Cutler

Re: Report # 40289 (MW-981-101, -102, -058, -058MS, -
058MSD, MW-981-059, -060, -050, -051, -057)

Dear Mark,

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

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

None

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Extra volume for MW-981-058 VOCs were submitted for MS/MSD QC batching, as needed by the laboratory.

Carbon Tetrachloride was detected in sample ID: MW-981-050, -059, -051

Chloroform was detected in sample ID: MW-981-058, -059, -051

perchlorate was detected in sample ID: MW-981-051

TICs

None

Method Variance:

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

555 East Walnut Street
Pasadena, California 91101

Tel: 626 568 6400

Fax: 626 568 6324

Quality Environmental Analysis



MONTGOMERY WATSON LABORATORIES

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Laboratory Report

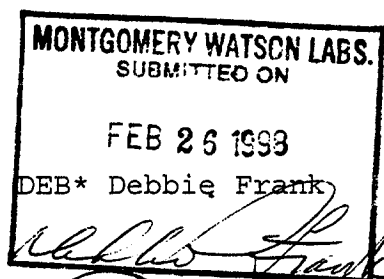
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 40289
JPL

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
Report
#40289

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

Samples Received
29-jan-1998 17:20:42

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-101 (980129108)			Sampled on 01/29/98					
Regulated VOCs plus Lists 1&3								
02/03/98	72770		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1


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Laboratory
Report
#40289

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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**Laboratory
 Report
 #40289**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-102 (980129109)				Sampled on 01/29/98				
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
02/04/98	02/24/98	73526	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/29/98	72328	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/04/98	02/24/98	73527	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	02/02/98	72667	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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**Laboratory
 Report
 #40289**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/02/98	72667	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		

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**Laboratory
 Report
 #40289**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	104	% Rec		
MW-981-058 (980129110) Sampled on 01/29/98								
	02/11/98	72846	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.36	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	38	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.20	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	02/11/98	72911	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	2.13	mg/l	0.0010	1
02/04/98	02/24/98	73251	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/29/98	72328	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	490	umho/cm	4.0	1
02/04/98	02/24/98	73256	(EPA/ML 200.8)	Iron, Total, ICAP/MS	240	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	0.42	mg/l	0.10	1
02/04/98	02/24/98	72949	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	27	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	280	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/02/98	72667	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(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
	02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/02/98	72667	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

MW-981-058 MS (980129111)

Sampled on 01/29/98

Regulated VOCs plus Lists 1&3

02/02/98	72667	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethylene	2.76	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.56	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/02/98	72667	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.93	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Chlorotoluene	3.47	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	Benzene	3.30	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorobenzene	3.85	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.62	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/02/98	72667	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.43	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Toluene	3.63	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

MW-981-058 MSD (980129112)

Sampled on 01/29/98

Regulated VOCs plus Lists 1&3

02/02/98	72667	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethylene	2.71	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.42	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.90	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
02/02/98	72667	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
02/02/98	72667	(ML/EPA 524.2)	o-Chlorotoluene	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
	02/02/98	72667	(ML/EPA 524.2)	p-Chlorotoluene	3.66	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	Benzene	3.23	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorobenzene	3.49	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.18	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1

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 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/02/98	72667	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.23	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Toluene	3.57	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-981-059 (980129113) Sampled on 01/29/98

	02/11/98	72846	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.50	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	35	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.23	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.31	mg/l	0.0010	1
02/04/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/29/98	72328	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	520	umho/cm	4.0	1
02/04/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	310	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	201	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	0.37	mg/l	0.10	1
02/04/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	36	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	330	mg/l	10	1

Regulated VOCs plus Lists 1&3

	02/02/98	72667	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/02/98	72667	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Carbon Tetrachloride	0.7	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/02/98	72667	(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
	02/02/98	72667	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	120	% Rec		
			(Surrogate)	4-Bromofluorobenzene	82	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-981-060 (980129114)

Sampled on 01/29/98

	02/11/98	72846	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	5.12	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	41	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.75	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	18	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.733	mg/l	0.0010	1
02/04/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/29/98	72328	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	580	umho/cm	4.0	1
02/04/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	225	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	3.3	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	0.85	mg/l	0.10	1
02/04/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	7.7	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	41	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	340	mg/l	10	1

Regulated VOCs plus Lists 1&3

02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	Benzene	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
	02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(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	89	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		
MW-981-050 (980129115) Sampled on 01/29/98								
	02/11/98	72846	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.25	meq/l	0.0010	1
02/04/98	02/05/98	72948	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	35	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.36	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.07	mg/l	0.0010	1
02/04/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/29/98	72328	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	495	umho/cm	4.0	1
02/04/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	240	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.1	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	38	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
02/04/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	20	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	300	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/02/98	72667	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/02/98	72667	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Carbon Tetrachloride	1.3	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Hexachlorobutadiene	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
	02/02/98	72667	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/02/98	72667	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/l		1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-981-051 (980129116) Sampled on 01/29/98

	02/11/98	72846	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.83	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	50	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.80	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	8.0	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.16	mg/l	0.0010	1
02/04/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/29/98	72328	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	550	umho/cm	4.0	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
02/04/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAF/MS	1100	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	225	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	1.3	mg/l	0.10	1
02/04/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAF/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	31	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	300	mg/l	10	1

Regulated VOCs plus Lists 1&3

02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
02/03/98	72770	(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
	02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	4.0	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.1	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(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	) None detected	ND			1
			(Surrogate	) 1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	88	% Rec		
			(Surrogate	) Toluene-d8	98	% Rec		

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QC Batch #72328**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	2.0
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.052	104.0	(80.00 - 120.00)	1.9

QC Batch #72494**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	27	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27	108.0	(80.00 - 120.00)	0.00

QC Batch #72496**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	0.00

QC Batch #72498**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50	100.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50	100.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	52	104.0	(80.00 - 120.00)	
MSD	Sulfate	50	52	104.0	(80.00 - 120.00)	0.00

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

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QC Batch #72597**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	678	96.9	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72667**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	3.60	90.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.10	102.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.71	92.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.97	74.2	(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	4.09	102.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.62	90.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.86	98.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				

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

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MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.07	76.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.78	94.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.06	101.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	2.94	73.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.81	95.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.03	100.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.12	78.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.99	99.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.92	96.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.61	90.2	(70.00 - 130.00)

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

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.58	89.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.39	84.8	(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	1.97	98.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.15	103.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.48	93.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.13	103.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.21	105.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.11	102.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.11	77.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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

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Foster Wheeler Environmental, Inc
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QC Batch #72770**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	3.12	78.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.83	70.8	(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	3.64	91.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.98	87.2	(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	3.19	79.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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

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LCS1	Bromodichloromethane	4	3.66	91.5	(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	3.18	79.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.66	91.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.65	91.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.56	89.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.26	81.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.47	86.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.83	91.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.55	88.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.29	82.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.35	83.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.32	83.0	(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	1.75	87.5	(70.00 - 130.00)

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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	7.19	89.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.54	88.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.72	93.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.35	83.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	2.89	72.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72812**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	0.99

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

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QC Batch #72813**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.7	98.5	(90.00 - 110.00)	2.5
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	0.00

QC Batch #72814**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.2	102.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.1	102.2	(90.00 - 110.00)	0.20
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.4	96.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	48.3	96.6	(85.00 - 115.00)	0.21

QC Batch #72815**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.5	99.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	49.3	98.6	(90.00 - 110.00)	0.40
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	50.6	101.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.1	102.2	(85.00 - 115.00)	0.98

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

**MONTGOMERY WATSON LABORATORIES**

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

Laboratory
QC Report
#40289

Foster Wheeler Environmental, Inc
(continued)

QC Batch #72846**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.4	101.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.3	101.1	(90.00 - 110.00)	0.10
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.1	102.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	4.9

QC Batch #72911**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	21.2	106.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	5.3
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.5	97.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	2.0

QC Batch #72912**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.7	103.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.8	99.0	(90.00 - 110.00)	4.4
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.6	93.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.3	86.5	(75.00 - 125.00)	7.2

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

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555 East Walnut Street
Pasadena, California 91101
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Laboratory
QC Report
#40289

Foster Wheeler Environmental, Inc
(continued)

QC Batch #72948**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	1.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0204	102.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	3.8

QC Batch #73251**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97.9	97.9	(85.00 - 115.00)	4.1
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	98.2	98.2	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.8	98.8	(70.00 - 130.00)	0.61

QC Batch #73252**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	97.2	97.2	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	94.6	94.6	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.3	97.3	(70.00 - 130.00)	2.8

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

**MONTGOMERY WATSON LABORATORIES**

555 East Walnut Street
Pasadena, California 91101
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1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#40289

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73256**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	538	107.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	478	95.6	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	439.	87.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	418.	83.6	(70.00 - 130.00)	4.9

QC Batch #73257**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	500	100.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	529	105.8	(85.00 - 115.00)	5.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	457.	91.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509.	101.8	(70.00 - 130.00)	11

QC Batch #73262**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	1.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.4	97.0	(70.00 - 130.00)	0.52

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

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 818-568-6400/FAX: 818-568-6324

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40289
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 01/29/98. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Montgomery Watson Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980129108	MW-981-101	@EBASVOA	Water	01/29/98
980129109	MW-981-102	@EBASVOA AS-GF PB-MS CR-MS CR-VI CLO4	Water	01/29/98
980129110	MW-981-058	@EBASVOA AS-GF PB-MS CR-MS TDS CATION ANION1 PH EC HCO3 CO3 ALK NO3 SO4 CL FE-MS K-FL NA-FL MG-FL CA-FL CR-VI CLO4	Water	01/29/98
980129111	MW-981-058 MS	@EBASVOA	Water	01/29/98
980129112	MW-981-058 MSD	@EBASVOA	Water	01/29/98
980129113	MW-981-059	@EBASVOA CLO4 CR-VI CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION CATION TDS CR-MS PB-MS AS-GF	Water	01/29/98
980129114	MW-981-060	@EBASVOA CLO4 CR-VI CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION CATION TDS CR-MS PB-MS AS-GF	Water	01/29/98
980129115	MW-981-050	@EBASVOA CLO4 CR-VI CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION CATION TDS CR-MS PB-MS AS-GF	Water	01/29/98

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

Customer Code: ENSERCH
 PO#: Sub PO#007618
 Group#: 40289
 Project#: JPL
 Proj Mgr: Debbie Frank
 Phone: (714) 444-5526

Sample#	Sample Id	Tests Scheduled					Matrix	Sample Date
980129116	MW-981-051	@EBASVOA	CLO4	CR-VI	CA-FL	MG-FL	Water	01/29/98
		NA-FL	K-FL	FE-MS	CL	SO4		NO3
		ALK	CO3	HCO3	EC	PH		ANION
		CATION	TDS	CR-MS	PB-MS	AS-GF		

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

40289

ICE FROZEN
Temp 13-18

FOSTER WHEELER ENVIRONMENTAL CORPORATION

102 1041

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1

Project: JPL		OFS No. 1572.0233		HAZARD IDENTIFICATION:		Time Required								
Project Address: 4500 OAK GROVE DR. PASADENA CA				Nonhazard ☒ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐		NORMAL ☒ _____ DAYS RUSH ☐ _____ DAYS								
Sampler (Name): J. BLENNEAL		Sampler (Signature): [Signature]		ANALYSES REQUIRED										
Laboratory: MONTGOMERY WATSON LABS				VOCs (524 2) ☒ TOTAL DISC. PB ☒ MAJOR ANIONS ☒ Hex Cr ☒ PESTICIDATE ☒ VOCs (MS) ☒ VOCs (MSD) ☒										
Reports to Be Sent to: M2 MAKE COTAGE														
SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOCs (524 2)	TOTAL DISC. PB	MAJOR ANIONS	Hex Cr	PESTICIDATE	VOCs (MS)	VOCs (MSD)
					WATER	SOIL	OTHER (Describe)							
MW-98-101	0845	1/29/92	2	2 x 40ml	X			X						980129/08
MW-98-102	0850		5	2 x 40ml 1 250ml 2 x 125ml	X			X	X		X	X		109
MW-98-058	0920		6	2 x 40ml 1 x 250ml 2 x 125ml 1 x 500ml	X			X	X	X	X	X		110
MW-98-059	1045		6	2 x 40ml 1 x 250ml 2 x 125ml 1 x 500ml	X			X	X	X	X	X		113
MW-98-060	1145		6		X			X	X	X	X	X		114
MW-98-050	1330		6		X			X	X	X	X	X		115
MW-98-051	1500		6		X			X	X	X	X	X		116
MW-98-058MS	0930		2	2 x 40ml	Y								X	111
MW-98-058MSD	0930		2	2 x 40ml	Y								X	112

LABORATORY INSTRUCTIONS/COMMENTS:

LEVEL IV QA/QC

Relinquished by: (Signature) [Signature]	Date: 1/29/92	Received by: (Signature) [Signature]	Relinquished by: (Signature)	Date:	Received by: (Signature)
Company: F.W.E.C.	Time: 1550	Company: M.W.	Company:	Time:	Company:

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: SECRET Date Received: 1/22/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 1/29/98
 by (print) W. T. HAM (sign) W. T. HAM

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No
 If YES, attach & enter carrier and air bill # here: _____

2. Were custody seals on outside of cooler? Yes ☒ No
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____

3. Were custody seals unbroken & intact at delivery? ☒ Yes No

4. Were custody papers sealed in bag & taped to lid? FOR BOTTLES Yes ☒ No

5. Were custody papers filled out properly (ink, etc.) ☒ Yes No

6. Did you sign custody papers in appropriate place? ☒ Yes No

7. Was project identifiable from custody papers? ☒ Yes No

8. Have designated person(s) initial to acknowledge receipt: WTH (date) 1/29/98

B. LOG-IN PHASE: Date samples were logged-in: 1/29/98 by:
 (print) W. T. HAM (sign) W. T. HAM

9. Describe packing: _____

10. If required, was enough ice used? ☒ Yes No

11. Were all bottles sealed in separate plastic bags? ☒ Yes No

12. Did all bottles arrive unbroken/in good condition? ☒ Yes No

13. Were all bottle labels complete (ID, date, sign, pres)? ☒ Yes No

14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. ☒ Yes No

15. Were correct containers used for the analytes? ☒ Yes No

16. Were correct preservatives used when required? ☒ Yes No

17. Was sufficient amount of sample sent for tests? ☒ Yes No

18. Bubbles absent in VOA vials?
 If NO, list by sample id on back. ☒ Yes No

19. Was Client Services informed of problems? Yes ☒ No

Report Summary of positive results, PR40289

			Result	MDL	UNITS
Analyzed	980129108	MW-981-101			
Analyzed	980129109	MW-981-102			
Analyzed	980129110	MW-981-058			
02/02/98	Chloroform (Trichloromethane)		1.4	.500	UGL
02/11/98	Alkalinity		170	2.000	MGL
02/17/98	Anion Sum		4.36	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ , calculated		207	.001	MGL
02/12/98	Calcium, Flame AA		38	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		2.13	.001	MGL
02/17/98	Cation Sum		4.20	.001	MEQL
01/30/98	Chloride		13	1.000	MGL
02/24/98	Iron, Total, ICAP/MS		240	*****	UGL
02/03/98	Lab pH		8.2	.001	UNIT
02/11/98	Magnesium, Flame AA		13	1.000	MGL
01/30/98	Nitrate-N by IC		0.42	.100	MGL
02/11/98	Potassium, Flame AA		2.3	1.000	MGL
02/11/98	Sodium, Flame AA		27	1.000	MGL
02/04/98	Specific Conductance		490	4.000	UMHO
01/30/98	Sulfate		27	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)		280	10.000	MGL
Analyzed	980129111	MW-981-058 MS			
02/02/98	1,1-Dichloroethylene		2.76	.500	UGL
02/02/98	1,2,4-Trichlorobenzene		3.56	.500	UGL
02/02/98	Benzene		3.30	.500	UGL
02/02/98	Chlorobenzene		3.85	.500	UGL
02/02/98	Chloroform (Trichloromethane)		5.62	.500	UGL
02/02/98	Toluene		3.63	.500	UGL
02/02/98	Trichloroethylene (TCE)		3.43	.500	UGL
02/02/98	p-Chlorotoluene		3.47	.500	UGL
02/02/98	p-Dichlorobenzene (1,4-DCB)		3.93	.500	UGL
Analyzed	980129112	MW-981-058 MSD			
02/02/98	1,1-Dichloroethylene		2.71	.500	UGL
02/02/98	1,2,4-Trichlorobenzene		3.42	.500	UGL
02/02/98	Benzene		3.23	.500	UGL
02/02/98	Chlorobenzene		3.49	.500	UGL
02/02/98	Chloroform (Trichloromethane)		5.18	.500	UGL
02/02/98	Toluene		3.57	.500	UGL
02/02/98	Trichloroethylene (TCE)		3.23	.500	UGL
02/02/98	p-Chlorotoluene		3.66	.500	UGL
02/02/98	p-Dichlorobenzene (1,4-DCB)		3.90	.500	UGL
Analyzed	980129113	MW-981-059			
02/02/98	Carbon Tetrachloride		0.7	.500	UGL
02/02/98	Chloroform (Trichloromethane)		0.7	.500	UGL
02/11/98	Alkalinity		165	2.000	MGL
02/17/98	Anion Sum		4.50	.001	MEQL

02/17/98	Bicarbonate as HCO ₃ ,calculated	201	.001	MGL
02/12/98	Calcium, Flame AA	35	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated	1.31	.001	MGL
02/17/98	Cation Sum	4.23	.001	MEQL
01/30/98	Chloride	15	1.000	MGL
02/17/98	Iron, Total, ICAP/MS	310	*****	UGL
02/03/98	Lab pH	8.0	.001	UNIT
02/11/98	Magnesium, Flame AA	17	1.000	MGL
01/30/98	Nitrate-N by IC	0.37	.100	MGL
02/11/98	Potassium, Flame AA	3.1	1.000	MGL
02/11/98	Sodium, Flame AA	23	1.000	MGL
02/04/98	Specific Conductance	520	4.000	UMHO
01/30/98	Sulfate	36	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)	330	10.000	MGL

Analyzed 980129114 MW-981-060

02/11/98	Alkalinity	185	2.000	MGL
02/17/98	Anion Sum	5.12	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated	225	.001	MGL
02/12/98	Calcium, Flame AA	41	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated	0.733	.001	MGL
02/17/98	Cation Sum	4.75	.001	MEQL
01/30/98	Chloride	18	1.000	MGL
02/17/98	Iron, Total, ICAP/MS	120	*****	UGL
02/03/98	Lab pH	7.7	.001	UNIT
02/11/98	Magnesium, Flame AA	18	1.000	MGL
01/30/98	Nitrate-N by IC	0.85	.100	MGL
02/11/98	Potassium, Flame AA	3.3	1.000	MGL
02/11/98	Sodium, Flame AA	26	1.000	MGL
02/04/98	Specific Conductance	580	4.000	UMHO
01/30/98	Sulfate	41	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)	340	10.000	MGL

Analyzed 980129115 MW-981-050

02/02/98	Carbon Tetrachloride	1.3	.500	UGL
02/11/98	Alkalinity	170	2.000	MGL
02/17/98	Anion Sum	4.25	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated	207	.001	MGL
02/12/98	Calcium, Flame AA	35	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated	1.07	.001	MGL
02/17/98	Cation Sum	4.36	.001	MEQL
01/30/98	Chloride	13	1.000	MGL
02/17/98	Iron, Total, ICAP/MS	240	*****	UGL
02/03/98	Lab pH	7.9	.001	UNIT
02/11/98	Magnesium, Flame AA	11	1.000	MGL
01/30/98	Nitrate-N by IC	1.0	.100	MGL
02/11/98	Potassium, Flame AA	2.1	1.000	MGL
02/11/98	Sodium, Flame AA	38	1.000	MGL
02/04/98	Specific Conductance	495	4.000	UMHO
01/30/98	Sulfate	20	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)	300	10.000	MGL

Analyzed 980129116 MW-981-051

02/03/98	Carbon Tetrachloride	4.0	.500	UGL
02/03/98	Chloroform (Trichloromethane)	1.1	.500	UGL
02/11/98	Alkalinity	185	2.000	MGL
02/17/98	Anion Sum	4.83	.001	MEQ

02/17/98	Bicarbonate as HCO ₃ ,calculated	225	.001	MGL
02/12/98	Calcium, Flame AA	50	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated	1.16	.001	MGL
02/17/98	Cation Sum	4.80	.001	MEQL
01/30/98	Chloride	14	1.000	MGL
02/17/98	Iron, Total, ICAP/MS	1100	*****	UGL
02/03/98	Lab pH	7.9	.001	UNIT
02/11/98	Magnesium, Flame AA	14	1.000	MGL
01/30/98	Nitrate-N by IC	1.3	.100	MGL
02/11/98	Perchlorate	8.0	4.000	UGL
02/11/98	Potassium, Flame AA	2.3	1.000	MGL
02/11/98	Sodium, Flame AA	25	1.000	MGL
02/04/98	Specific Conductance	550	4.000	UMHO
01/30/98	Sulfate	31	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)	300	10.000	MGL

**MONTGOMERY WATSON LABORATORIES**

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1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#40289

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73353**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	4.2

QC Batch #73526**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	104	104.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	99.9	99.9	(85.00 - 115.00)	4.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	94.5	94.5	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.2	99.2	(70.00 - 130.00)	4.9

QC Batch #73527**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.6	103.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.8	104.0	(85.00 - 115.00)	0.97
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.6	98.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.0	100.0	(70.00 - 130.00)	2.0

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



MONTGOMERY WATSON LABORATORIES

February 23, 1998

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

Attention: Mark Cutler

Re: Report # 40314 (MW-981-119, 103, 052, 054, 053, 055,
001, 055 MS, 055 MSD, 054 MS, 054 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):

Sample -052 was analyzed twice with recoveries of 1,2, DCA-d4 above the QC limit (80-120%) both times. This surrogate is not method required.

Samples requiring dilution (with increased MRL's):

Anions were diluted in samples 052 and 054

Method blanks with compounds detected:

None

Other Comments:

Sample 055 and Sample 054 were provided with extra volumes from MS/MSD for metals and volatiles, respectively. The spiking levels for metals are 20 ug/L for arsenic and lead and 100 ug/L for chromium.

Carbon Tetrachloride was detected above the calibration standard in sample -052 and was flagged with an E for estimated value. Carbon Tetrachloride was detected above the MCL in several other samples.

Sample -119 was originally identified as -102 on the Chain of Custody. This ID was changed, 2/25/98, by the MW Labs project manager, per instructions based on duplicate numbering in the field.

TICs

None

Method Variance:

None.

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40314
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 01/30/98. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Montgomery Watson Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980130094	MW-981-119	@EBASVOA	Water	01/30/98
980130095	MW-981-103	@EBASVOA AS-GF CLO4	Water	01/30/98
980130096	MW-981-052	@EBASVOA AS-GF CATION ANION1 ALK NO3 NA-FL MG-FL	Water	01/30/98
980130097	MW-981-054	@EBASVOA CLO4 NA-FL ALK CATION	Water	01/30/98
980130098	MW-981-053	@EBASVOA CLO4 AS-GF	Water	01/30/98
980130099	MW-981-055	@EBASVOA CLO4 NA-FL ALK CATION	Water	01/30/98
980130100	MW-981-001	@EBASVOA CLO4 NA-FL ALK CATION	Water	01/30/98
980130101	MW-981-055 MS	AS-GF PB-MS	Water	01/30/98

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 611 Anton Boulevard
 Suite 800
 Costa Mesa, CA 92626
 Attn: Mark Cutler

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 PO#: Sub PO#007618
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 Proj Mgr: Debbie Frank
 Phone: (714) 444-5526

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980130102	MW-981-055	MSD	Water	01/30/98
		CR-MS PB-MS AS-GF		
980130103	MW-981-054	MS	Water	01/30/98
		@EBASVOA		
980130104	MW-981-054	MSD	Water	01/30/98
		@EBASVOA		

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

ICE FROZEN
Temp 11-15



40314

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1

Project: JPL		OFS No. 1572		HAZARD IDENTIFICATION:		Time Required											
Project Address: 4800 OAK GROVE DR PASADENA, CA		Sampler (Name): J. BIZENNER		Sampler (Signature): J. Bizenner		Nonhazard ☒ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐ NORMAL ☒ DAYS RUSH ☐ DAYS											
Laboratory: MONTGOMERY WATSON LABS		Reports to Be Sent to: MIZ. MARIE CUTLER		ANALYSES REQUIRED													
SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOCs (SL 2)	Total Ar. C-70	MMA	ANIONS	Hex. Cr	PAC	VOCs (MS)	VOCs (MSD)	Total Ar. C-70 (MS/MSD)	
					WATER	SOIL	OTHER (Describe)										
MW-931-102	0800	1/3/98	2	2x40ml	X			X							98	01300	94
MW-931-103	0805		5	2x40ml 1x25ml	X			X	X			X	X				95
MW-931-052	0855		6	2x40ml 1x25ml	X			X	X	X	X	X	X				96
MW-931-054	0950		6	2x40ml 1x25ml	X			X	X	X	X	X	X				97
MW-931-053	1000		5	2x40ml 1x25ml	X			X	X			X	X				98
MW-931-055	1115		6	2x40ml 2x25ml	X			X	X	X	X	X	X	99	X	101 MS	98
MW-931-001	1415		6	2x40ml 1x25ml	X			X	X	X	X	X	X	100		102 MS	
MW-931-051MS	0950		2	2x40ml	X									X	103		
MW-931-051MSD	0950		2	2x40ml	X									X	104		
LABORATORY INSTRUCTIONS/COMMENTS:																	
LEVEL IX QA/QC																	
Relinquished by: (Signature)		Date: 1/3/98		Received by: (Signature)		Date:		Relinquished by: (Signature)		Date:		Received by: (Signature)		Date:		Received by: (Signature)	
Company: F.W.E.C.		Time: 1530		Company: M.W.		Time:		Company:		Time:		Company:		Time:		Company:	

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: JPL Date Received: 1/30/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 1/30/98
 by (print) W. T. HARRIS (sign) Warren

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No
 If YES, attach & enter carrier and air bill # here: _____

2. Were custody seals on outside of cooler? Yes ☒ No
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____

3. Were custody seals unbroken & intact at delivery? ☒ Yes No

4. Were custody papers sealed in bag & taped to lid? for all bottles Yes ☒ No

5. Were custody papers filled out properly (ink, etc.) ☒ Yes No

6. Did you sign custody papers in appropriate place? ☒ Yes No

7. Was project identifiable from custody papers? ☒ Yes No

8. Have designated person(s) initial to acknowledge receipt: WTH (date) 1/30/98

B. LOG-IN PHASE: Date samples were logged-in: 1/30/98 by:
 (print) W. T. HARRIS (sign) Warren

9. Describe packing: _____

10. If required, was enough ice used? ☒ Yes No

11. Were all bottles sealed in separate plastic bags? ☒ Yes No

12. Did all bottles arrive unbroken/in good condition? ☒ Yes No

13. Were all bottle labels complete (ID,date,sign,pres)? ☒ Yes No

14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. ☒ Yes No

15. Were correct containers used for the analytes? ☒ Yes No

16. Were correct preservatives used when required? ☒ Yes No

17. Was sufficient amount of sample sent for tests? ☒ Yes No

18. Bubbles absent in VOA vials?
 If NO, list by sample id on back. ☒ Yes No

19. Was Client Services informed of problems? Yes ☒ No

Report Summary of positive results, PR40314

			Result	MDL	UNITS
Analyzed	980130094	MW-981-119			
Analyzed	980130095	MW-981-103			
Analyzed	980130096	MW-981-052			
02/04/98	Carbon Tetrachloride		23E	.500	UGL
02/04/98	Chloroform (Trichloromethane)		2.3	.500	UGL
02/13/98	Alkalinity		180	2.000	MGL
02/17/98	Anion Sum		4.92	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated		219	.001	MGL
02/12/98	Calcium, Flame AA		44	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		1.13	.001	MGL
02/17/98	Cation Sum		4.72	.001	MEQL
01/30/98	Chloride		17	2.000	MGL
02/17/98	Iron, Total, ICAP/MS		240	*****	UGL
02/03/98	Lab pH		7.9	.001	UNIT
02/11/98	Magnesium, Flame AA		16	1.000	MGL
01/30/98	Nitrate-N by IC		1.2	.200	MGL
02/11/98	Perchlorate		5.9	4.000	UGL
02/11/98	Potassium, Flame AA		3.0	1.000	MGL
02/11/98	Sodium, Flame AA		26	1.000	MGL
02/04/98	Specific Conductance		570	4.000	UMHO
01/30/98	Sulfate		36	4.000	MGL
02/04/98	Total Dissolved Solid (TDS)		320	10.000	MGL
Analyzed	980130097	MW-981-054			
02/03/98	Carbon Tetrachloride		1.1	.500	UGL
02/03/98	Chloroform (Trichloromethane)		0.6	.500	UGL
02/13/98	Alkalinity		190	2.000	MGL
02/17/98	Anion Sum		5.17	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated		232	.001	MGL
02/12/98	Calcium, Flame AA		41	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		0.600	.001	MGL
02/17/98	Cation Sum		4.66	.001	MEQL
01/30/98	Chloride		15	2.000	MGL
02/17/98	Iron, Total, ICAP/MS		160	*****	UGL
02/03/98	Lab pH		7.6	.001	UNIT
02/11/98	Magnesium, Flame AA		17	1.000	MGL
01/30/98	Nitrate-N by IC		1.9	.200	MGL
02/11/98	Perchlorate		6.3	4.000	UGL
02/11/98	Potassium, Flame AA		3.2	1.000	MGL
02/11/98	Sodium, Flame AA		26	1.000	MGL
02/04/98	Specific Conductance		585	4.000	UMHO
01/30/98	Sulfate		39	4.000	MGL
02/04/98	Total Dissolved Solid (TDS)		320	10.000	MGL
Analyzed	980130098	MW-981-053			
02/03/98	Carbon Tetrachloride		1.7	.500	UGL
02/03/98	Chloroform (Trichloromethane)		0.7	.500	UGL
02/11/98	Perchlorate		5.7	4.000	UGL

Analyzed	980130099	MW-981-055		
02/03/98	Chloroform (Trichloromethane)	0.8	.500	UGL
02/13/98	Alkalinity	170	2.000	MGL
02/17/98	Anion Sum	4.78	.001	MEQL
02/17/98	Bicarbonate as HCO3,calculated	207	.001	MGL
02/12/98	Calcium, Flame AA	37	1.000	MGL
02/17/98	Carbonate as CO3, Calculated	0.213	.001	MGL
02/17/98	Cation Sum	4.25	.001	MEQL
01/30/98	Chloride	15	1.000	MGL
02/17/98	Iron, Total, ICAP/MS	120	*****	UGL
02/03/98	Lab pH	7.2	.001	UNIT
02/11/98	Magnesium, Flame AA	16	1.000	MGL
01/30/98	Nitrate-N by IC	2.3	.100	MGL
02/11/98	Potassium, Flame AA	3.2	1.000	MGL
02/11/98	Sodium, Flame AA	23	1.000	MGL
02/04/98	Specific Conductance	535	4.000	UMHO
01/30/98	Sulfate	38	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)	330	10.000	MGL

Analyzed	980130100	MW-981-001		
02/13/98	Alkalinity	170	2.000	MGL
02/17/98	Anion Sum	4.21	.001	MEQL
02/17/98	Bicarbonate as HCO3,calculated	207	.001	MGL
02/12/98	Calcium, Flame AA	29	1.000	MGL
02/17/98	Carbonate as CO3, Calculated	1.07	.001	MGL
02/17/98	Cation Sum	4.10	.001	MEQL
01/30/98	Chloride	9.2	1.000	MGL
02/17/98	Iron, Total, ICAP/MS	630	*****	UGL
02/03/98	Lab pH	7.9	.001	UNIT
02/11/98	Magnesium, Flame AA	8.9	1.000	MGL
01/30/98	Nitrate-N by IC	0.95	.100	MGL
02/11/98	Potassium, Flame AA	2.0	1.000	MGL
02/11/98	Sodium, Flame AA	43	1.000	MGL
02/04/98	Specific Conductance	475	4.000	UMHO
01/30/98	Sulfate	23	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)	280	10.000	MGL

Analyzed	980130101	MW-981-055 MS		
02/18/98	Arsenic, Total, GF	0.0210	.005	MGL
02/17/98	Chromium, Total, ICAP/MS	99	10.000	UGL
02/17/98	Lead, Total, ICAP/MS	20	2.000	UGL

Analyzed	980130102	MW-981-055 MSD		
02/18/98	Arsenic, Total, GF	0.0219	.005	MGL
02/17/98	Chromium, Total, ICAP/MS	95	10.000	UGL
02/17/98	Lead, Total, ICAP/MS	19	2.000	UGL

Analyzed	980130103	MW-981-054 MS		
02/03/98	1,1-Dichloroethylene	2.7	.500	UGL
02/03/98	1,2,4-Trichlorobenzene	3.4	.500	UGL
02/03/98	Benzene	3.3	.500	UGL
02/03/98	Chlorobenzene	3.7	.500	UGL
02/03/98	Chloroform (Trichloromethane)	4.5	.500	UGL
02/03/98	Toluene	3.5	.500	UGL
02/03/98	Trichloroethylene (TCE)	3.9	.500	UGL

02/03/98	p-Chlorotoluene	3.7	.500	UGL
02/03/98	p-Dichlorobenzene (1,4-DCB)	3.8	.500	UGL
Analyzed	980130104 MW-981-054 MSD			
02/03/98	1,1-Dichloroethylene	3.0	.500	UGL
02/03/98	1,2,4-Trichlorobenzene	3.8	.500	UGL
02/03/98	Benzene	3.5	.500	UGL
02/03/98	Chlorobenzene	4.1	.500	UGL
02/03/98	Chloroform (Trichloromethane)	4.7	.500	UGL
02/03/98	Toluene	3.6	.500	UGL
02/03/98	Trichloroethylene (TCE)	4.0	.500	UGL
02/03/98	p-Chlorotoluene	3.8	.500	UGL
02/03/98	p-Dichlorobenzene (1,4-DCB)	3.9	.500	UGL



MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

FEB 27 1990

DEB* Debbie Frank

Report#: 40314
JPL

**MONTGOMERY WATSON LABORATORIES**

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

Laboratory
Report
#40314

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

Samples Received
30-jan-1998 16:03:15

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-119 (980130094)				Sampled on 01/30/98				
Regulated VOCs plus Lists 1&3								
02/03/98	72770		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

**MONTGOMERY WATSON LABORATORIES**

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

**Laboratory
 Report
 #40314**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(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	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	86	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Report
#40314

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-103 (980130095)				Sampled on 01/30/98				
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/30/98	72362	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	Benzene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride		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
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	92	% Rec		



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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	105	% Rec		
MW-981-052 (980130096) Sampled on 01/30/98								
	02/13/98	73190	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.92	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	44	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.72	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	17	mg/l	2.0	2
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	5.9	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.13	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/30/98	72362	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	570	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	240	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	3.0	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	16	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.20	2
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500K)	Lab pH	7.9	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	36	mg/l	4.0	2
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	320	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/04/98	72745	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(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
	02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Carbon Tetrachloride	23E	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.3	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/04/98	72745	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/04/98	72745	(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	122	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-981-054 (980130097)

Sampled on 01/30/98

	02/13/98	73190	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	5.17	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	41	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.66	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	15	mg/l	2.0	2
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	6.3	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.600	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/30/98	72362	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	585	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	160	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	232	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	1.9	mg/l	0.20	2
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	39	mg/l	4.0	2
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	320	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	1.1	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(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	110	µg Rec		
			(Surrogate)	4-Bromofluorobenzene	91	µg Rec		
			(Surrogate)	Toluene-d8	104	µg Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-053 (980130098) Sampled on 01/30/98								
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	5.7	ug/l	4.0	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/30/98	72362	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
02/03/98	72770		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Carbon Tetrachloride	1.7	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(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	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	103	% Rec		
MW-981-055 (980130099) Sampled on 01/30/98								
	02/13/98	73190	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.78	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	37	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.25	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.213	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/30/98	72362	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	535	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	16	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	2.3	mg/l	0.10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	7.2	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	38	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	330	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(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
	02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.8	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1



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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	108	% Rec		
MW-981-001 (980130100) Sampled on 01/30/98								
	02/13/98	73190	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.21	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/12/98	72815	(ML/S3111B)	Calcium, Flame AA	29	mg/l	1.0	1
	02/17/98		(ML/SM1040)	Cation Sum	4.10	meq/l	0.0010	1
	01/30/98	72494	(ML/EPA 300)	Chloride	9.2	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.07	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	01/30/98	72362	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	475	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	630	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
	02/11/98	72812	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	02/11/98	72813	(ML/S3111B)	Magnesium, Flame AA	8.9	mg/l	1.0	1
	02/11/98	72814	(ML/S3111B)	Sodium, Flame AA	43	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	01/30/98	72496	(ML/EPA 300.0)	Nitrate-N by IC	0.95	mg/l	0.10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	01/30/98	72498	(ML/EPA 300.0)	Sulfate	23	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	280	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/03/98	72770	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-055 MS (980130101) Sampled on 01/30/98								
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	0.0210	mg/l	0.005	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	99	ug/l	10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	20	ug/l	2.0	1
MW-981-055 MSD (980130102) Sampled on 01/30/98								
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	0.0219	mg/l	0.005	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	95	ug/l	10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	19	ug/l	2.0	1
MW-981-054 MS (980130103) Sampled on 01/30/98								
Regulated VOCs plus Lists 1&3								
02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	2.7	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.4	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.8	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1	
02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	3.7	ug/l	0.50	1	
02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1	
02/03/98	72770	(ML/EPA 524.2)	Benzene	3.3	ug/l	0.50	1	

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	3.7	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.5	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.9	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1

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**Laboratory
 Report
 #40314**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Toluene	3.5	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-981-054 MSD (980130104) Sampled on 01/30/98

Regulated VOCs plus Lists 1&3

02/03/98	72770	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloroethylene	3.0	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.8	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.9	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	p-Chlorotoluene	3.8	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
02/03/98	72770	(ML/EPA 524.2)	Benzene	3.5	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Chlorobenzene	4.1	ug/l	0.50	1
02/03/98	72770	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1

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**Laboratory
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 #40314**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.7	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.0	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	3.6	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	105	µg Rec		
			(Surrogate)	4-Bromofluorobenzene	97	µg Rec		
			(Surrogate)	Toluene-d8	101	µg Rec		

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**Laboratory
Report
#40314**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
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(980130096)

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Sample analyzed twice and 1,2-DCA-d4 recovered above QC limit both times. This is not a method required surrogate.

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Foster Wheeler Environmental, Inc

QC Batch #72362**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.052	104.0	(80.00 - 120.00)	1.9

QC Batch #72494**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	27	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27	108.0	(80.00 - 120.00)	0.00

QC Batch #72496**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.6	104.0	(80.00 - 120.00)	0.00

QC Batch #72498**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50	100.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50	100.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	52	104.0	(80.00 - 120.00)	
MSD	Sulfate	50	52	104.0	(80.00 - 120.00)	0.00

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #72597**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	678	96.9	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72745**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	3.51	87.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.64	116.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.41	110.2	(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	3.13	78.2	(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	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	3.70	92.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.10	101.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				

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

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(continued)

MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.37	84.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.64	116.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.36	84.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.33	108.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.73	86.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.85	96.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.35	83.8	(70.00 - 130.00)

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

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.59	89.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.46	86.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.46	111.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.81	90.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.49	93.6	(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	4.23	105.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.33	108.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.11	102.8	(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	2.83	70.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #72770**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	3.12	78.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.83	70.8	(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	3.64	91.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.98	87.2	(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	3.19	79.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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

**MONTGOMERY WATSON LABORATORIES**

555 East Walnut Street
Pasadena, California 91101
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Laboratory
QC Report
#40314

Foster Wheeler Environmental, Inc
(continued)

LCS1	Bromodichloromethane	4	3.66	91.5	(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	3.18	79.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.66	91.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.65	91.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.56	89.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.26	81.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.47	86.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.83	91.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.55	88.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.29	82.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.35	83.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.32	83.0	(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	1.75	87.5	(70.00 - 130.00)

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

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Laboratory
 QC Report
 #40314

Foster Wheeler Environmental, Inc
 (continued)

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	7.19	89.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.54	88.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.72	93.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.35	83.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	2.89	72.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72812**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.3	101.5	(80.00 - 120.00)	0.49
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	0.99

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

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Laboratory
QC Report
#40314

Foster Wheeler Environmental, Inc
(continued)

QC Batch #72813**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.7	98.5	(90.00 - 110.00)	2.5
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(85.00 - 115.00)	0.00

QC Batch #72814**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.2	102.4	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.1	102.2	(90.00 - 110.00)	0.20
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.4	96.8	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	48.3	96.6	(85.00 - 115.00)	0.21

QC Batch #72815**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	49.5	99.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	49.3	98.6	(90.00 - 110.00)	0.40
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	50.6	101.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.1	102.2	(85.00 - 115.00)	0.98

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

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Laboratory
QC Report
#40314

Foster Wheeler Environmental, Inc
(continued)

QC Batch #72912**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.7	103.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.8	99.0	(90.00 - 110.00)	4.4
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.6	93.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.3	86.5	(75.00 - 125.00)	7.2

QC Batch #73190**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.7	100.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.6	101.5	(90.00 - 110.00)	0.93
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.3	102.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	96.3	100.1	(80.00 - 120.00)	2.1

QC Batch #73252**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	97.2	97.2	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	94.6	94.6	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.3	97.3	(70.00 - 130.00)	2.8

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

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
QC Report
#40314

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73257**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	500	100.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	529	105.8	(85.00 - 115.00)	5.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	457.	91.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509.	101.8	(70.00 - 130.00)	11

QC Batch #73262**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	1.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.4	97.0	(70.00 - 130.00)	0.52

QC Batch #73353**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	4.2

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



MONTGOMERY WATSON LABORATORIES

February 17, 1998

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

Attention: Mark Cutler

Re: Report # 40331 (MW-981-104, -105, -002, -005)

Dear Mark,

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

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

None

Samples requiring dilution (with increased MRL's):

MW-981-005 was diluted for Perchlorate

Carbon Tetrachloride was detected above the calibration standard and was flagged with an E for estimated value in sample ID: MW-981-005 This sample was analyzed at x2 dilution but result did not match the neat run. The neat run was reported.

Method blanks with compounds detected:

None

Other Comments:

1,2-Dichloroethane was detected in sample ID: MW-981-005

Carbon Tetrachloride was detected in sample ID: MW-981-005

Chloroform was detected in sample ID: MW-981-005

Perchlorate was detected in sample ID: MW-981-005

Tetrachloroethylene was detected in sample ID: MW-981-005

Trichloroethylene was detected in sample ID: MW-981-005

Trichlorotrifluoroethane was detected in sample ID: MW-981-005

TICs

None

Method Variance:

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelty (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40331
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 02/02/98. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Montgomery Watson Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980202515	MW-981-104	@EBASVOA	Water	02/02/98
980202516	MW-981-105	@EBASVOA AS-GF PB-MS CR-MS CR-VI CLO4	Water	02/02/98
980202517	MW-981-002	@EBASVOA AS-GF PB-MS CR-MS TDS CATION ANION1 PH EC HCO3 CO3 ALK NO3 SO4 CL FE-MS K-FL NA-FL MG-FL CA-FL CR-VI CLO4	Water	02/02/98
980202518	MW-981-005	@EBASVOA CLO4 CR-VI CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION CATION TDS CR-MS PB-MS AS-GF	Water	02/02/98

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40331
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
HCO3	Bicarbonate as HCO3, calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)



Temp 10-14
F CG FROZEN

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1[illegible]

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: 39L Date Received: 2/2/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 2/2/98
 by (print) W. J. H. H. (sign) Warren

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No
 If YES, attach & enter carrier and air bill # here: _____

2. Were custody seals on outside of cooler? Yes ☒ No
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____

3. Were custody seals unbroken & intact at delivery? Yes No
FOR ALL BOTTLES

4. Were custody papers sealed in bag & taped to lid? Yes ☒ No

5. Were custody papers filled out properly (ink, etc.) ☒ Yes No

6. Did you sign custody papers in appropriate place? ☒ Yes No

7. Was project identifiable from custody papers? ☒ Yes No

8. Have designated person(s) initial to acknowledge receipt: WJH (date) 2/2/98

B. LOG-IN PHASE: Date samples were logged-in: WJH by:
 (print) WARREN J. H. H. (sign) Warren

9. Describe packing:

10. If required, was enough ice used? ☒ Yes No

11. Were all bottles sealed in separate plastic bags? ☒ Yes No

12. Did all bottles arrive unbroken/in good condition? ☒ Yes No

13. Were all bottle labels complete (ID, date, sign, pres)? ☒ Yes No

14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. ☒ Yes No

15. Were correct containers used for the analytes? ☒ Yes No

16. Were correct preservatives used when required? ☒ Yes No

17. Was sufficient amount of sample sent for tests? ☒ Yes No

18. Bubbles absent in VOA vials?
 If NO, list by sample id on back. ☒ Yes No

19. Was Client Services informed of problems? Yes ☒ No

Report Summary of positive results, PR40331

			Result	MDL	UNITS
Analyzed	980202515	MW-981-104			
Analyzed	980202516	MW-981-105			
Analyzed	980202517	MW-981-002			
02/13/98	Alkalinity		145	2.000	MGL
02/17/98	Anion Sum		3.58	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated		175	.001	MGL
02/20/98	Calcium, Flame AA		20	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		5.70	.001	MGL
02/21/98	Cation Sum		3.88	.001	MEQL
02/04/98	Chloride		11	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		470	*****	UGL
02/03/98	Lab pH		8.7	.001	UNIT
02/20/98	Magnesium, Flame AA		11	1.000	MGL
02/04/98	Nitrate-N by IC		2.4	.100	MGL
02/20/98	Potassium, Flame AA		2.4	1.000	MGL
02/20/98	Sodium, Flame AA		44	1.000	MGL
02/04/98	Specific Conductance		415	4.000	UMHO
02/04/98	Sulfate		9.7	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)		260	10.000	MGL
Analyzed	980202518	MW-981-005			
02/04/98	1,2-Dichloroethane		0.8	.500	UGL
02/04/98	Carbon Tetrachloride		30E	.500	UGL
02/04/98	Chloroform (Trichloromethane)		15	.500	UGL
02/04/98	Tetrachloroethylene (PCE)		0.5	.500	UGL
02/04/98	Trichloroethylene (TCE)		15	.500	UGL
02/04/98	Trichlorotrifluoroethane (Freon)		0.6	.500	UGL
02/13/98	Alkalinity		145	2.000	MGL
02/17/98	Anion Sum		4.68	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ ,calculated		176	.001	MGL
02/20/98	Calcium, Flame AA		30	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		1.81	.001	MGL
02/21/98	Cation Sum		4.42	.001	MEQL
02/04/98	Chloride		20	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		530	*****	UGL
02/03/98	Lab pH		8.2	.001	UNIT
02/20/98	Magnesium, Flame AA		19	1.000	MGL
02/04/98	Nitrate-N by IC		5.6	.100	MGL
02/17/98	Perchlorate		330	20.000	UGL
02/20/98	Potassium, Flame AA		3.8	1.000	MGL
02/20/98	Sodium, Flame AA		29	1.000	MGL
02/04/98	Specific Conductance		535	4.000	UMHO
02/04/98	Sulfate		39	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)		300	10.000	MGL



MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
Pasadena, California 91101
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Laboratory Report

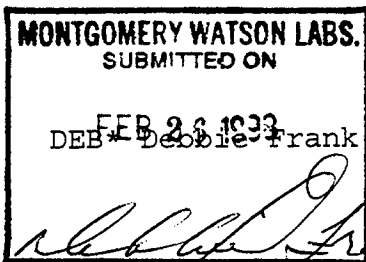
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 40331
JPL

**MONTGOMERY WATSON LABORATORIES**

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Pasadena, California 91101
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Laboratory
Report
#40331

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

Samples Received
02-feb-1998 17:05:53

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-104 (980202515)				Sampled on 02/02/98				
Regulated VOCs plus Lists 1&3								
02/03/98	72770		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/03/98	72770		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
02/03/98	72770		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/03/98	72770	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/03/98	72770	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/03/98	72770	(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	113	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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**Laboratory
Report
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-105 (980202516) Sampled on 02/02/98								
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/02/98	72414	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
02/04/98	72745	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
02/04/98	72745	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
02/04/98	72745	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/04/98	72745	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/04/98	72745	(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	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	89	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	104	% Rec		
MW-981-002 (980202517) Sampled on 02/02/98								
	02/13/98	73190	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	3.58	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	20	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	3.88	meq/l	0.0010	1
	02/04/98	72591	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	5.70	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/02/98	72414	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	415	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	470	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	175	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	44	mg/l	1.0	1
	02/04/98	72592	(ML/EPA 300.0)	Nitrate-N by IC	2.4	mg/l	0.10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	8.7	Units	0.0010	1
	02/04/98	72593	(ML/EPA 300.0)	Sulfate	9.7	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	260	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/04/98	72745	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(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
	02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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**Laboratory
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 #40331**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/04/98	72745	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/04/98	72745	(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	98	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-981-005 (980202518)

Sampled on 02/02/98

	02/13/98	73190	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.68	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	30	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	4.42	meq/l	0.0010	1
	02/04/98	72591	(ML/EPA 300)	Chloride	20	mg/l	1.0	1
	02/17/98	73248	(MOD/EPA 300)	Perchlorate	330	ug/l	20	5
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.81	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/02/98	72414	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	535	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	530	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	176	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	3.8	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	29	mg/l	1.0	1

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**Laboratory
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 #40331**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/04/98	72592	(ML/EPA 300.0)	Nitrate-N by IC	5.6	mg/l	0.10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/03/98		(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	02/04/98	72593	(ML/EPA 300.0)	Sulfate	39	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	300	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/04/98	72745	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloroethane	0.8	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Carbon Tetrachloride	30E	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/04/98	72745	(ML/EPA 524.2)	Chloroform (Trichloromethane)	15	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.5	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichloroethylene (TCE)	15	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	0.6	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/04/98	72745	(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	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		



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Group Comments

(524) Sample MW-981-005 was analyzed at x2 dilution for carbon tetrachloride but the result did not match the neat run; the diluted result was not used. E indicates that the result is above the calibration curve.

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QC Report
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Foster Wheeler Environmental, Inc

QC Batch #72414**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(80.00 - 120.00)	2.0

QC Batch #72591**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26	104.0	(80.00 - 120.00)	
MSD	Chloride	25	26	104.0	(80.00 - 120.00)	0.00

QC Batch #72592**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.5	100.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.5	100.0	(80.00 - 120.00)	0.00

QC Batch #72593**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50	100.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50	100.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	49	98.0	(80.00 - 120.00)	
MSD	Sulfate	50	49	98.0	(80.00 - 120.00)	0.00

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #72597**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	678	96.9	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72745**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	3.51	87.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.64	116.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.41	110.2	(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	3.13	78.2	(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	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	3.70	92.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.10	101.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				

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

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MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.37	84.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.64	116.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.36	84.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.33	108.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.73	86.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.85	96.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.35	83.8	(70.00 - 130.00)

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.59	89.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.46	86.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.46	111.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.81	90.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.49	93.6	(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	4.23	105.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.33	108.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.11	102.8	(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	2.83	70.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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

**MONTGOMERY WATSON LABORATORIES**

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

Laboratory
QC Report
#40331

Foster Wheeler Environmental, Inc
(continued)

QC Batch #72770		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	3.12	78.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.83	70.8	(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	3.64	91.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.98	87.2	(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	3.19	79.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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

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Laboratory
QC Report
#40331

Foster Wheeler Environmental, Inc
(continued)

LCS1	Bromodichloromethane	4	3.66	91.5	(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	3.18	79.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.66	91.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.65	91.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.56	89.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.26	81.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.47	86.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.83	91.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.55	88.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.29	82.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.35	83.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.32	83.0	(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	1.75	87.5	(70.00 - 130.00)

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

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Laboratory
 QC Report
 #40331

Foster Wheeler Environmental, Inc
 (continued)

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	7.19	89.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.54	88.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.72	93.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.35	83.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	2.89	72.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72912**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.7	103.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.8	99.0	(90.00 - 110.00)	4.4
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.6	93.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.3	86.5	(75.00 - 125.00)	7.2

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

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Laboratory
QC Report
#40331

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73190**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.7	100.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	97.6	101.5	(90.00 - 110.00)	0.93
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	98.3	102.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	96.3	100.1	(80.00 - 120.00)	2.1

QC Batch #73248**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.8	104.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.4	102.0	(90.00 - 110.00)	1.9
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.2	101.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	21.2	106.0	(75.00 - 125.00)	4.8

QC Batch #73252**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	97.2	97.2	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	94.6	94.6	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.3	97.3	(70.00 - 130.00)	2.8

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

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Laboratory
QC Report
#40331

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73257**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	500	100.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	529	105.8	(85.00 - 115.00)	5.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	457.	91.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509.	101.8	(70.00 - 130.00)	11

QC Batch #73262**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	1.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.4	97.0	(70.00 - 130.00)	0.52

QC Batch #73353**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	4.2

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

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Laboratory
QC Report
#40331

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73384**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.4	97.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	4.0
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	19.7	98.5	(85.00 - 115.00)	2.5

QC Batch #73387**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.6	95.2	(90.00 - 110.00)	2.9
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.2	94.4	(85.00 - 115.00)	1.7

QC Batch #73390**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.4	97.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.0	100.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.9	99.5	(85.00 - 115.00)	0.50

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

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
QC Report
#40331

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73393**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.6	105.2	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.7	105.4	(90.00 - 110.00)	0.19
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.6	103.2	(85.00 - 115.00)	1.3

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



MONTGOMERY WATSON LABORATORIES

February 27, 1998

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

Attention: Mark Cutler

Re: Report # 40363 (MW-981-106, -107, -004)

Dear Mark,

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

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

None

Samples requiring dilution (with increased MRL's):

MW-981-004 was diluted for Perchlorate

Method blanks with compounds detected:

None

Other Comments:

Carbon tetrachloride was detected in sample ID: MW-981-004

Chloroform was detected in sample ID: MW-981-004

Trichloroethylene was detected in sample ID: MW-981-004

Perchlorate was detected in sample ID: MW-981-076

TICs

None

Method Variance

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40363
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 02/03/98. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Montgomery Watson Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980203317	MW-981-106	@EBASVOA	Water	02/03/98
980203318	MW-981-107	@EBASVOA AS-GF CLO4	Water PB-MS CR-MS CR-VI	02/03/98
980203319	MW-981-004	@EBASVOA AS-GF CLO4 HCO3 FE-MS	Water PB-MS CR-MS CR-VI CATION ANION1 PH EC ALK NO3 SO4 CL NA-FL MG-FL CA-FL	02/03/98

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40363
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
--------------	-------------

PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

Temp 8-10
± 16 FROZEN

FOSTER WHEELER ENVIRONMENTAL CORPORATION

142 1748

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1

[illegible]

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: JPL Date Received: 2/3/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 2/3/98
 by (print) Warren Thar (sign) Warren Thar

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No
 If YES, attach & enter carrier and air bill # here: _____

2. Were custody seals on outside of cooler? Yes ☒ No
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____

3. Were custody seals unbroken & intact at delivery? FOR ALL BOTTLES Yes ☒ No

4. Were custody papers sealed in bag & taped to lid? Yes ☒ No

5. Were custody papers filled out properly (ink, etc.) Yes ☒ No

6. Did you sign custody papers in appropriate place? Yes ☒ No

7. Was project identifiable from custody papers? Yes ☒ No

8. Have designated person(s) initial to acknowledge receipt: WTH (date) 2/3/98

B. LOG-IN PHASE: Date samples were logged-in: 2/3/98 by:
 (print) W. Thar (sign) Warren Thar

9. Describe packing: _____

10. If required, was enough ice used? Yes ☒ No

11. Were all bottles sealed in separate plastic bags? Yes ☒ No

12. Did all bottles arrive unbroken/in good condition? Yes ☒ No

13. Were all bottle labels complete (ID, date, sign, pres)? Yes ☒ No

14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. Yes ☒ No

15. Were correct containers used for the analytes? Yes ☒ No

16. Were correct preservatives used when required? Yes ☒ No

17. Was sufficient amount of sample sent for tests? Yes ☒ No

18. Bubbles absent in VOA vials? WTH Yes ☒ No
 If NO, list by sample id on back. TAG # 7732
 pea size BUBBLE

19. Was Client Services informed of problems? Yes ☒ No

Report Summary of positive results, PR40363

			Result	MDL	UNITS
Analyzed	980203317	MW-981-106			
Analyzed	980203318	MW-981-107			
Analyzed	980203319	MW-981-004			
02/06/98	Carbon Tetrachloride		6.9	.500	UGL
02/06/98	Chloroform (Trichloromethane)		2.4	.500	UGL
02/06/98	Trichloroethylene (TCE)		0.7	.500	UGL
02/13/98	Alkalinity		130	2.000	MGL
02/17/98	Anion Sum		4.29	.001	MEQL
02/17/98	Bicarbonate as HCO ₃ , calculated		155	.001	MGL
02/20/98	Calcium, Flame AA		14	1.000	MGL
02/17/98	Carbonate as CO ₃ , Calculated		8.00	.001	MGL
02/21/98	Cation Sum		4.18	.001	MEQL
02/04/98	Chloride		39	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		960	*****	UGL
02/05/98	Lab pH		8.9	.001	UNIT
02/20/98	Magnesium, Flame AA		18	1.000	MGL
02/04/98	Nitrate-N by IC		1.9	.100	MGL
02/17/98	Perchlorate		110	8.000	UGL
02/20/98	Potassium, Flame AA		3.4	1.000	MGL
02/20/98	Sodium, Flame AA		44	1.000	MGL
02/04/98	Specific Conductance		500	4.000	UMHO
02/04/98	Sulfate		22	2.000	MGL
02/04/98	Total Dissolved Solid (TDS)		320	10.000	MGL



MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

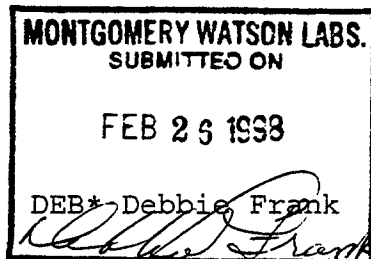
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 40363
JPL

**MONTGOMERY WATSON LABORATORIES**

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

Laboratory
Report
#40363

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

Samples Received
03-feb-1998 16:51:09

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-106 (980203317)				Sampled on 02/03/98				
Regulated VOCs plus Lists 1&3								
02/04/98	72745	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
02/04/98	72745	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
02/04/98	72745	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
02/04/98	72745	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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**Laboratory
 Report
 #40363**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Unit	MDL	Dilution
	02/04/98	72745	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/04/98	72745	(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	91	% Rec		
			(Surrogate	Toluene-d8	103	% Rec		

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**Laboratory
 Report
 #40363**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-107 (980203318)				Sampled on 02/03/98				
02/16/98	02/18/98	73354	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
02/17/98	02/17/98	73253	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/03/98	72507	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/17/98	02/17/98	73263	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	02/04/98	72745	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/04/98	72745	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/04/98	72745	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/04/98	72745	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/04/98	72745	(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	103	% Rec		


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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	104	% Rec		
MW-981-004 (980203319) Sampled on 02/03/98								
	02/13/98	73191	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	02/17/98		(ML/SM1040)	Anion Sum	4.29	meq/l	0.0010	1
02/16/98	02/18/98	73354	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	14	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	4.18	meq/l	0.0010	1
	02/04/98	72591	(ML/EPA 300)	Chloride	39	mg/l	1.0	1
	02/17/98	73248	(MOD/EPA 300)	Perchlorate	110	ug/l	8.0	2
	02/17/98		(ML/S2320-B)	Carbonate as CO3, Calculated	8.00	mg/l	0.0010	1
02/17/98	02/17/98	73253	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/03/98	72507	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/04/98		(ML/S2510B)	Specific Conductance	500	umho/cm	4.0	1
02/16/98	02/17/98	73258	(EPA/ML 200.8)	Iron, Total, ICAP/MS	960	ug/l	100	1
	02/17/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	155	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	3.4	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	44	mg/l	1.0	1
	02/04/98	72592	(ML/EPA 300.0)	Nitrate-N by IC	1.9	mg/l	0.10	1
02/17/98	02/17/98	73263	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/05/98		(ML/SM 4500H)	Lab pH	8.9	Units	0.0010	1
	02/04/98	72593	(ML/EPA 300.0)	Sulfate	22	mg/l	2.0	1
	02/04/98	72597	(ML/S2540C)	Total Dissolved Solid (TDS)	320	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(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
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	6.9	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.4	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.7	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/06/98	72799	(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	96	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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QC Batch #72507**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(80.00 - 120.00)	2.0

QC Batch #72591**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26	104.0	(80.00 - 120.00)	
MSD	Chloride	25	26	104.0	(80.00 - 120.00)	0.00

QC Batch #72592**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.5	100.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.5	100.0	(80.00 - 120.00)	0.00

QC Batch #72593**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50	100.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50	100.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	49	98.0	(80.00 - 120.00)	
MSD	Sulfate	50	49	98.0	(80.00 - 120.00)	0.00

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

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QC Batch #72597**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	678	96.9	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #72745**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	3.51	87.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.64	116.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.41	110.2	(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	3.13	78.2	(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	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	3.70	92.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.10	101.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				

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MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.37	84.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.64	116.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.36	84.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.33	108.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.73	86.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.85	96.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.35	83.8	(70.00 - 130.00)

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

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.59	89.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.46	86.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.46	111.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.81	90.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.49	93.6	(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	4.23	105.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.33	108.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.11	102.8	(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	2.83	70.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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

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QC Batch #72799**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	3.45	86.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.97	99.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.74	93.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.96	74.0	(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	4.16	104.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.51	87.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.63	90.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.70	96.2	(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	3.24	81.0	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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LCS1	Bromodichloromethane	4	4.08	102.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.09	102.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.39	84.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.91	97.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.17	104.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.81	95.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	2.85	71.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.87	96.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.96	98.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.39	84.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.52	88.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.43	85.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.47	86.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.17	104.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.80	90.0	(70.00 - 130.00)

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.11	102.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.61	95.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.01	100.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.28	107.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.11	102.8	(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	2.93	73.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72912**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.7	103.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.8	99.0	(90.00 - 110.00)	4.4
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.6	93.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.3	86.5	(75.00 - 125.00)	7.2

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

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QC Batch #73191**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.9	100.7	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.9	100.7	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	96.7	100.5	(80.00 - 120.00)	
MSD	Alkalinity	96.2	99.9	103.8	(80.00 - 120.00)	3.3

QC Batch #73248**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate	20.0	20.8	104.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.4	102.0	(90.00 - 110.00)	1.9
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.2	101.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	21.2	106.0	(75.00 - 125.00)	4.8

QC Batch #73253**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.7	96.7	(85.00 - 115.00)	5.3
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	97.2	97.2	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	95.7	95.7	(70.00 - 130.00)	1.6

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

**MONTGOMERY WATSON LABORATORIES**

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

Laboratory
QC Report
#40363

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73258**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	496	99.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	441	88.2	(85.00 - 115.00)	12
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	428.	85.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	440.	88.0	(70.00 - 130.00)	2.8

QC Batch #73263**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.7	103.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.9	99.5	(85.00 - 115.00)	3.9
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.5	97.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.8	104.0	(70.00 - 130.00)	6.5

QC Batch #73354**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0211	105.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	6.4
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0211	105.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	6.0

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

**MONTGOMERY WATSON LABORATORIES**

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Pasadena, California 91101
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Laboratory
QC Report
#40363

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73384**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.4	97.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	4.0
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	19.7	98.5	(85.00 - 115.00)	2.5

QC Batch #73387**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.6	95.2	(90.00 - 110.00)	2.9
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.2	94.4	(85.00 - 115.00)	1.7

QC Batch #73390**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.4	97.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.0	100.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.9	99.5	(85.00 - 115.00)	0.50

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

**MONTGOMERY WATSON LABORATORIES**

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Laboratory
QC Report
#40363

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73393**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.6	105.2	(90.00 - 110.00)	.
LCS2	Calcium, Flame AA	50	52.7	105.4	(90.00 - 110.00)	0.19
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.6	103.2	(85.00 - 115.00)	1.3

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



MONTGOMERY WATSON LABORATORIES

February 28, 1998

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

Attention: Mark Cutler

Re: Report # 40406 (MW-981-108, -109, -011, -012, -013, -
014, -011MS, -011MSD)

Dear Mark,

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

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

None

Samples requiring dilution (with increased MRL's):

MW-981-014 was diluted for anions.

Method blanks with compounds detected:

None

Other Comments:

Extra volume for MW-981-011 VOC's and Metals were submitted for MS/MSD QC batching, as needed by the laboratory

No VOC's detected

TICs

None

Method Variance:

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 818-568-6400/FAX: 818-568-6324

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40406
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 02/04/98. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Montgomery Watson Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980204176	MW-981-108	@EBASVOA	Water	02/04/98
980204177	MW-981-109	@EBASVOA AS-GF • PB-MS CR-MS CR-VI CLO4	Water	02/04/98
980204178	MW-981-011	@EBASVOA TDS CATION ANION1 PH EC HCO3 CO3 ALK NO3 SO4 CL FE-MS K-FL NA-FL MG-FL CA-FL AS-GF PB-MS CR-MS CR-VI CLO4	Water	02/04/98
980204179	MW-981-012	@EBASVOA CLO4 CR-VI CR-MS PB-MS AS-GF CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION1 CATION TDS	Water	02/04/98
980204180	MW-981-013	@EBASVOA CLO4 CR-VI CR-MS PB-MS AS-GF CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION1 CATION TDS	Water	02/04/98
980204181	MW-981-014	@EBASVOA CLO4 CR-VI CR-MS PB-MS AS-GF CA-FL MG-FL NA-FL K-FL FE-MS CL SO4 NO3 ALK CO3 HCO3 EC PH ANION1 CATION TDS	Water	02/04/98
980204182	MW-981-011 MS ✓	AS-GF PB-MS CR-MS	Water	02/04/98
980204183	MW-981-011 MSD ✓	CR-MS PB-MS AS-GF	Water	02/04/98

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40406
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980204184	MW-981-011 MS	@EBASVOA	Water	02/04/98
980204185	MW-981-011 MSD	@EBASVOA	Water	02/04/98

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)



Temp 9-15
ICE FROZER

142 0750

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1

[illegible]

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: JPL Date Received: 2/4/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 2/4/98
 by (print) W. 7th (sign) Warren

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No
 If YES, attach & enter carrier and air bill # here: _____

2. Were custody seals on outside of cooler? Yes ☒ No
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____

3. Were custody seals unbroken & intact at delivery? FOR ALL BOTTLES Yes ☒ No

4. Were custody papers sealed in bag & taped to lid? Yes ☒ No

5. Were custody papers filled out properly (ink, etc.) Yes ☒ No

6. Did you sign custody papers in appropriate place? Yes ☒ No

7. Was project identifiable from custody papers? Yes ☒ No

8. Have designated person(s) initial to acknowledge receipt: W (date) 2/4/98

B. LOG-IN PHASE: Date samples were logged-in: 2/4/98 by:
 (print) W. 7th (sign) Warren

9. Describe packing: _____

10. If required, was enough ice used? Yes ☒ No

11. Were all bottles sealed in separate plastic bags? Yes ☒ No

12. Did all bottles arrive unbroken/in good condition? Yes ☒ No

13. Were all bottle labels complete (ID,date,sign,pres)? Yes ☒ No

14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. Yes ☒ No

15. Were correct containers used for the analytes? Yes ☒ No

16. Were correct preservatives used when required? Yes ☒ No

17. Was sufficient amount of sample sent for tests? Yes ☒ No

18. Bubbles absent in VOA vials?
 If NO, list by sample id on back. Yes ☒ No

19. Was Client Services informed of problems? Yes ☒ No

Report Summary of positive results, PR40406

			Result	MDL	UNITS
Analyzed	980204176	MW-981-108			
Analyzed	980204177	MW-981-109			
Analyzed	980204178	MW-981-011			
02/18/98	Alkalinity		155	2.000	MGL
02/21/98	Anion Sum		4.04	.001	MEQL
02/21/98	Bicarbonate as HCO ₃ ,calculated		186	.001	MGL
02/20/98	Calcium, Flame AA		14	1.000	MGL
02/21/98	Carbonate as CO ₃ , Calculated		7.63	.001	MGL
02/21/98	Cation Sum		4.02	.001	MEQL
02/06/98	Chloride		9.9	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		300	*****	UGL
02/05/98	Lab pH		8.8	.001	UNIT
02/20/98	Magnesium, Flame AA		7.5	1.000	MGL
02/06/98	Nitrate-N by IC		0.16	.100	MGL
02/20/98	Potassium, Flame AA		2.0	1.000	MGL
02/20/98	Sodium, Flame AA		61	1.000	MGL
02/13/98	Specific Conductance		400	4.000	UMHO
02/06/98	Sulfate		31	2.000	MGL
02/10/98	Total Dissolved Solid (TDS)		230	10.000	MGL
Analyzed	980204179	MW-981-012			
02/18/98	Alkalinity		140	2.000	MGL
02/21/98	Anion Sum		3.58	.001	MEQL
02/21/98	Bicarbonate as HCO ₃ ,calculated		170	.001	MGL
02/20/98	Calcium, Flame AA		33	1.000	MGL
02/21/98	Carbonate as CO ₃ , Calculated		0.878	.001	MGL
02/21/98	Cation Sum		3.78	.001	MEQL
02/06/98	Chloride		11	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		440	*****	UGL
02/05/98	Lab pH		7.9	.001	UNIT
02/20/98	Magnesium, Flame AA		10	1.000	MGL
02/06/98	Nitrate-N by IC		4.3	.100	MGL
02/20/98	Potassium, Flame AA		1.9	1.000	MGL
02/20/98	Sodium, Flame AA		29	1.000	MGL
02/13/98	Specific Conductance		360	4.000	UMHO
02/06/98	Sulfate		8.0	2.000	MGL
02/10/98	Total Dissolved Solid (TDS)		230	10.000	MGL
Analyzed	980204180	MW-981-013			
02/18/98	Alkalinity		155	2.000	MGL
02/21/98	Anion Sum		4.82	.001	MEQL
02/21/98	Bicarbonate as HCO ₃ ,calculated		189	.001	MGL
02/20/98	Calcium, Flame AA		42	1.000	MGL
02/21/98	Carbonate as CO ₃ , Calculated		1.23	.001	MGL
02/21/98	Cation Sum		4.91	.001	MEQL
02/06/98	Chloride		27	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		630	*****	UGL
02/05/98	Lab pH		8.0	.001	UNIT
02/20/98	Magnesium, Flame AA		15	1.000	MGL

02/06/98	Nitrate-N by IC	7.9	.100	MGL
02/20/98	Potassium, Flame AA	2.2	1.000	MGL
02/20/98	Sodium, Flame AA	35	1.000	MGL
02/13/98	Specific Conductance	480	4.000	UMHO
02/06/98	Sulfate	19	2.000	MGL
02/10/98	Total Dissolved Solid (TDS)	300	10.000	MGL
Analyzed 980204181 MW-981-014				
02/18/98	Alkalinity	165	2.000	MGL
02/21/98	Anion Sum	6.17	.001	MEQL
02/21/98	Bicarbonate as HCO3,calculated	201	.001	MGL
02/20/98	Calcium, Flame AA	52	1.000	MGL
02/21/98	Carbonate as CO3, Calculated	1.64	.001	MGL
02/21/98	Cation Sum	6.12	.001	MEQL
02/06/98	Chloride	47	2.000	MGL
02/17/98	Iron, Total, ICAP/MS	1300	*****	UGL
02/05/98	Lab pH	8.1	.001	UNIT
02/20/98	Magnesium, Flame AA	25	1.000	MGL
02/06/98	Nitrate-N by IC	9.1	.200	MGL
02/20/98	Potassium, Flame AA	2.7	1.000	MGL
02/20/98	Sodium, Flame AA	32	1.000	MGL
02/13/98	Specific Conductance	640	4.000	UMHO
02/06/98	Sulfate	43	4.000	MGL
02/10/98	Total Dissolved Solid (TDS)	380	10.000	MGL
Analyzed 980204182 MW-981-011 MS				
02/18/98	Arsenic, Total, GF	0.0236	.005	MGL
02/17/98	Chromium, Total, ICAP/MS	95.4	10.000	UGL
02/17/98	Lead, Total, ICAP/MS	20.3	2.000	UGL
Analyzed 980204183 MW-981-011 MSD				
02/18/98	Arsenic, Total, GF	0.0205	.005	MGL
02/17/98	Chromium, Total, ICAP/MS	98.2	10.000	UGL
02/17/98	Lead, Total, ICAP/MS	20.7	2.000	UGL
Analyzed 980204184 MW-981-011 MS				
02/06/98	1,1-Dichloroethylene	3.17	.500	UGL
02/06/98	1,2,4-Trichlorobenzene	4.28	.500	UGL
02/06/98	Benzene	3.55	.500	UGL
02/06/98	Chlorobenzene	4.38	.500	UGL
02/06/98	Chloroform (Trichloromethane)	4.70	.500	UGL
02/06/98	Toluene	4.20	.500	UGL
02/06/98	Trichloroethylene (TCE)	3.94	.500	UGL
02/06/98	p-Chlorotoluene	4.79	.500	UGL
02/06/98	p-Dichlorobenzene (1,4-DCB)	4.84	.500	UGL
Analyzed 980204185 MW-981-011 MSD				
02/06/98	1,1-Dichloroethylene	3.19	.500	UGL
02/06/98	1,2,4-Trichlorobenzene	3.64	.500	UGL
02/06/98	Benzene	3.79	.500	UGL
02/06/98	Chlorobenzene	4.01	.500	UGL
02/06/98	Chloroform (Trichloromethane)	4.55	.500	UGL
02/06/98	Toluene	3.88	.500	UGL
02/06/98	Trichloroethylene (TCE)	3.71	.500	UGL
02/06/98	p-Chlorotoluene	4.04	.500	UGL

02/06/98

p-Dichlorobenzene (1,4-DCB)

4.38

.500

UGL



MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

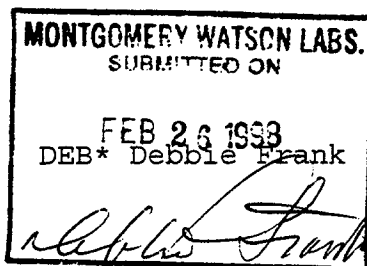
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 40406
JPL

**MONTGOMERY WATSON LABORATORIES**

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

Laboratory
Report
#40406

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

Samples Received
04-feb-1998 17:15:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-108 (980204176)				Sampled on 02/04/98				
				Regulated VOCs plus Lists 1&3				
02/06/98	72799		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/06/98	72799		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/06/98	72799		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1


MONTGOMERY WATSON LABORATORIES

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Laboratory
Report
#40406

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	82	% Rec		
			(Surrogate)	Toluene-d8	109	% Rec		

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**Laboratory
 Report
 #40406**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-109 (980204177)				Sampled on 02/04/98				
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/04/98	72555	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/06/98	72799	(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	116	% Rec		
			(Surrogate)	4-Bromofluorobenzene	86	% Rec		

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	107	% Rec		
MW-981-011 (980204178) Sampled on 02/04/98								
	02/18/98	73359	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	02/21/98		(ML/SM1040)	Anion Sum	4.04	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	14	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	4.02	meq/l	0.0010	1
	02/06/98	72729	(ML/EPA 300)	Chloride	9.9	mg/l	1.0	1
	02/11/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/21/98		(ML/S2320-B)	Carbonate as CO3, Calculated	7.63	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/04/98	72555	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/13/98		(ML/S2510B)	Specific Conductance	400	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	300	ug/l	100	1
	02/21/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	186	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	7.5	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	61	mg/l	1.0	1
	02/06/98	72731	(ML/EPA 300.0)	Nitrate-N by IC	0.16	mg/l	0.10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/05/98		(ML/SM 4500H)	Lab pH	8.8	Units	0.0010	1
	02/06/98	72732	(ML/EPA 300.0)	Sulfate	31	mg/l	2.0	1
	02/10/98	73085	(ML/S2540C)	Total Dissolved Solid (TDS)	230	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(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
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	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
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/06/98	72799	(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	99	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-981-012 (980204179)

Sampled on 02/04/98

	02/18/98	73359	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	02/21/98		(ML/SM1040)	Anion Sum	3.58	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	33	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	3.78	meq/l	0.0010	1
	02/06/98	72729	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	02/12/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/21/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.878	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/04/98	72555	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/13/98		(ML/S2510B)	Specific Conductance	360	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	440	ug/l	100	1
	02/21/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	170	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	10	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	29	mg/l	1.0	1

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Laboratory
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 #40406

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72731	(ML/EPA 300.0)	Nitrate-N by IC	4.3	mg/l	0.10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/05/98		(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	02/06/98	72732	(ML/EPA 300.0)	Sulfate	8.0	mg/l	2.0	1
	02/10/98	73085	(ML/S2540C)	Total Dissolved Solid (TDS)	230	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(EPA 524.2)	None Detected				1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	89	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-013 (980204180) Sampled on 02/04/98								
	02/18/98	73359	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	02/21/98		(ML/SM1040)	Anion Sum	4.82	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	42	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	4.91	meq/l	0.0010	1
	02/06/98	72729	(ML/EPA 300)	Chloride	27	mg/l	1.0	1
	02/12/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/21/98		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	1.23	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/04/98	72555	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/13/98		(ML/S2510B)	Specific Conductance	480	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	630	ug/l	100	1
	02/21/98		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	189	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	35	mg/l	1.0	1
	02/06/98	72731	(ML/EPA 300.0)	Nitrate-N by IC	7.9	mg/l	0.10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/05/98		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	02/06/98	72732	(ML/EPA 300.0)	Sulfate	19	mg/l	2.0	1
	02/10/98	73085	(ML/S2540C)	Total Dissolved Solid (TDS)	300	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(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
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/06/98	72799	(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	98	% Rec		
			(Surrogate)	Toluene-d8	107	% Rec		
MW-981-014 (980204181) Sampled on 02/04/98								
	02/18/98	73359	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	02/21/98		(ML/SM1040)	Anion Sum	6.17	meq/l	0.0010	1
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	02/20/98	73393	(ML/S3111B)	Calcium, Flame AA	52	mg/l	1.0	1
	02/21/98		(ML/SM1040)	Cation Sum	6.12	meq/l	0.0010	1
	02/06/98	72729	(ML/EPA 300)	Chloride	47	mg/l	2.0	2
	02/12/98	72912	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	02/21/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.64	mg/l	0.0010	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	02/04/98	72555	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	02/13/98		(ML/S2510B)	Specific Conductance	640	umho/cm	4.0	1
02/06/98	02/17/98	73257	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1300	ug/l	100	1
	02/21/98		(ML/S2320B)	Bicarbonate as HCO3,calculated	201	mg/l	0.0010	1
	02/20/98	73384	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	02/20/98	73390	(ML/S3111B)	Magnesium, Flame AA	25	mg/l	1.0	1
	02/20/98	73387	(ML/S3111B)	Sodium, Flame AA	32	mg/l	1.0	1
	02/06/98	72731	(ML/EPA 300.0)	Nitrate-N by IC	9.1	mg/l	0.20	2

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	02/05/98		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	02/06/98	72732	(ML/EPA 300.0)	Sulfate	43	mg/l	4.0	2
	02/10/98	73085	(ML/S2540C)	Total Dissolved Solid (TDS)	380	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	02/06/98	72799	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	02/06/98	72799	(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	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-011 MS (980204182) Sampled on 02/04/98								
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	0.0236	mg/l	0.005	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	95.4	ug/l	10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	20.3	ug/l	2.0	1
MW-981-011 MSD (980204183) Sampled on 02/04/98								
02/05/98	02/18/98	73353	(S3113B/E200.9)	Arsenic, Total, GF	0.0205	mg/l	0.005	1
02/06/98	02/17/98	73252	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	98.2	ug/l	10	1
02/06/98	02/17/98	73262	(EPA/ML 200.8)	Lead, Total, ICAP/MS	20.7	ug/l	2.0	1
MW-981-011 MS (980204184) Sampled on 02/04/98								
Regulated VOCs plus Lists 1&3								
02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene		3.17	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		4.28	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		4.84	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)		NA	ug/l	5.0	1
02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene		NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene		4.79	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		NA	ug/l	5.0	1
02/06/98	72799	(ML/EPA 524.2)	Benzene		3.55	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	4.38	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.70	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.94	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	02/06/98	72799	(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
	02/06/98	72799	(ML/EPA 524.2)	Toluene	4.20	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-981-011 MSD (980204185) Sampled on 02/04/98

Regulated VOCs plus Lists 1&3

02/06/98	72799	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloroethylene	3.19	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.64	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.38	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
02/06/98	72799	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	p-Chlorotoluene	4.04	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
02/06/98	72799	(ML/EPA 524.2)	Benzene	3.79	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	Chlorobenzene	4.01	ug/l	0.50	1
02/06/98	72799	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1

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 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	02/06/98	72799	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.55	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.71	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Toluene	3.88	ug/l	0.50	1
	02/06/98	72799	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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**Laboratory
Report
#40406**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
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QC Report
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Foster Wheeler Environmental, Inc

QC Batch #72555**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(80.00 - 120.00)	2.0

QC Batch #72729**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26	104.0	(80.00 - 120.00)	
MSD	Chloride	25	26	104.0	(80.00 - 120.00)	0.00

QC Batch #72731**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.5	100.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.4	96.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.4	96.0	(80.00 - 120.00)	0.00

QC Batch #72732**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50	100.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50	100.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	52	104.0	(80.00 - 120.00)	
MSD	Sulfate	50	52	104.0	(80.00 - 120.00)	0.00

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

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #72799**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	3.45	86.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.97	99.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.74	93.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.96	74.0	(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	4.16	104.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.51	87.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.63	90.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.70	96.2	(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	3.24	81.0	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				

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

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Laboratory
QC Report
#40406

Foster Wheeler Environmental, Inc
(continued)

LCS1	Bromodichloromethane	4	4.08	102.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.09	102.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.39	84.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.91	97.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.17	104.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.81	95.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	2.85	71.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.87	96.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.96	98.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.39	84.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.52	88.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.43	85.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.47	86.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.17	104.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.80	90.0	(70.00 - 130.00)

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

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Laboratory
 QC Report
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Foster Wheeler Environmental, Inc
 (continued)

MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.11	102.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.61	95.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.01	100.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.28	107.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.11	102.8	(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	2.93	73.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #72912**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Perchlorate*	20.0	20.7	103.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.8	99.0	(90.00 - 110.00)	4.4
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.6	93.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	17.3	86.5	(75.00 - 125.00)	7.2

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

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Laboratory
QC Report
#40406

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73085**Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solid (TDS)	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	664	94.9	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #73252**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	97.2	97.2	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	94.6	94.6	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.3	97.3	(70.00 - 130.00)	2.8

QC Batch #73257**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	500	100.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	529	105.8	(85.00 - 115.00)	5.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	457.	91.4	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509.	101.8	(70.00 - 130.00)	11

QC Batch #73262**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.6	98.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	1.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	

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

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

MSD Lead, Total, ICAP/MS 20 19.4 97.0 (70.00 - 130.00) 0.52

QC Batch #73353**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	4.2

QC Batch #73359**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	97.2	101.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.7	100.5	(90.00 - 110.00)	0.52
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	96.4	100.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.8	101.7	(80.00 - 120.00)	1.4

QC Batch #73384**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.4	97.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	4.0
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	19.7	98.5	(85.00 - 115.00)	2.5

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

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QC Report
#40406

Foster Wheeler Environmental, Inc
(continued)

QC Batch #73387**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.0	98.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	47.6	95.2	(90.00 - 110.00)	2.9
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.0	96.0	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.2	94.4	(85.00 - 115.00)	1.7

QC Batch #73390**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.4	97.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.2	96.0	(90.00 - 110.00)	1.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.0	100.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.9	99.5	(85.00 - 115.00)	0.50

QC Batch #73393**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	52.6	105.2	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.7	105.4	(90.00 - 110.00)	0.19
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.6	103.2	(85.00 - 115.00)	1.3

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



MONTGOMERY WATSON LABORATORIES

February 28, 1998

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

Attention: Mark Cutler

Re: Report # 40441 (MW-981-110, -111, -003)

Dear Mark,

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

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

None

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Arsenic was detected in sample ID: MW-981-003

TICs

None

Method Variance:

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

555 East Walnut Street
Pasadena, California 91101

Tel: 626 568 6400

Fax: 626 568 6324

Quality Environmental Analysis

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 818-568-6400/FAX: 818-568-6324

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub PO#007618
Group#: 40441
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 02/05/98. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Montgomery Watson Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
980205151	MW-981-110	@EBASVOA	Water	02/05/98
980205152	MW-981-111	@EBASVOA AS-GF PB-MS CR-MS CR-VI CLO4	Water	02/05/98
980205153	MW-981-003	@EBASVOA AS-GF PB-MS CR-MS TDS CATION ANION1 PH EC HCO3 CO3 ALK NO3 SO4 CL FE-MS K-FL NA-FL MG-FL CA-FL CR-VI CLO4	Water	02/05/98

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CLO4	Perchlorate
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC

Foster Wheeler Environmental, Inc

611 Anton Boulevard

Suite 800

Costa Mesa, CA 92626

Attn: Mark Cutler

Customer Code: ENSERCH

PO#: Sub PO#007618

Group#: 40441

Project#: JPL

Proj Mgr: Debbie Frank

Phone: (714) 444-5526

Test Acronym Description

Test Acronym

Description

PB-MS

Lead, Total, ICAP/MS

PH

Lab pH

SO4

Sulfate

TDS

Total Dissolved Solid (TDS)



142 0751

Page 1 of 1

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: JPL Date Received: 2/5/98
 Use other side of this form to note further details concerning check-in problems and to describe any action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION: Date cooler opened: 2/5/98
 by (print) _____ (sign) _____

1. Did cooler come with shipping slip (air bill, etc.)? Yes ☒ No ☐
 If YES, attach & enter carrier and air bill # here: _____
2. Were custody seals on outside of cooler? Yes ☒ No ☐
 If YES, how many & where: _____
 If Yes, enter the following: seal date: _____, seal name: _____
3. Were custody seals unbroken & intact at delivery? ☒ Yes ☐ No ☐
FOR ALL BOTTLES
4. Were custody papers sealed in bag & taped to lid? Yes ☒ No ☐
5. Were custody papers filled out properly (ink, etc.) ☒ Yes ☐ No
6. Did you sign custody papers in appropriate place? ☒ Yes ☐ No
7. Was project identifiable from custody papers? ☒ Yes ☐ No
8. Have designated person(s) initial to acknowledge receipt: CH (date) 2/5/98

B. LOG-IN PHASE: Date samples were logged-in: 2/5/98 by:
 (print) W. 7471 (sign) Samuel

9. Describe packing: _____
10. If required, was enough ice used? ☒ Yes ☐ No
11. Were all bottles sealed in separate plastic bags? ☒ Yes ☐ No
12. Did all bottles arrive unbroken/in good condition? ☒ Yes ☐ No
13. Were all bottle labels complete (ID,date,sign,pres)? ☒ Yes ☐ No
14. Did all bottle labels agree with custody papers?
 If NO, indicate discrepancies on back. ☒ Yes ☐ No
15. Were correct containers used for the analytes? ☒ Yes ☐ No
16. Were correct preservatives used when required? ☒ Yes ☐ No
17. Was sufficient amount of sample sent for tests? ☒ Yes ☐ No
18. Bubbles absent in VOA vials?
 If NO, list by sample id on back. ☒ Yes ☐ No
19. Was Client Services informed of problems? Yes ☒ No ☐

Report Summary of positive results, PR40441

			Result	MDL	UNITS
Analyzed	980205151	MW-981-110			
Analyzed	980205152	MW-981-111			
Analyzed	980205153	MW-981-003			
02/18/98	Alkalinity		155	2.000	MGL
02/21/98	Anion Sum		3.90	.001	MEQL
02/18/98	Arsenic, Total, GF		0.006	.005	MGL
02/21/98	Bicarbonate as HCO ₃ ,calculated		184	.001	MGL
02/20/98	Calcium, Flame AA		19	1.000	MGL
02/21/98	Carbonate as CO ₃ , Calculated		12.0	.001	MGL
02/21/98	Cation Sum		4.05	.001	MEQL
02/06/98	Chloride		17	1.000	MGL
02/17/98	Iron, Total, ICAP/MS		1800	*****	UGL
02/10/98	Lab pH		9.0	.001	UNIT
02/20/98	Magnesium, Flame AA		11	1.000	MGL
02/06/98	Nitrate-N by IC		0.99	.100	MGL
02/20/98	Potassium, Flame AA		2.7	1.000	MGL
02/20/98	Sodium, Flame AA		49	1.000	MGL
02/13/98	Specific Conductance		390	4.000	UMHO
02/06/98	Sulfate		12	2.000	MGL
02/10/98	Total Dissolved Solid (TDS)		250	10.000	MGL



MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

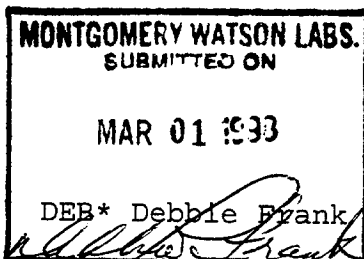
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 40441
JPL

**MONTGOMERY WATSON LABORATORIES**

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**Laboratory
Report
#40441**

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

Samples Received
05-feb-1998 17:01:58

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-981-110 (980205151)				Sampled on 02/05/98				
Regulated VOCs plus Lists 1&3								
02/06/98	72799		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
02/06/98	72799		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
02/06/98	72799		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
02/06/98	72799		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1