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
#45434

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/24/98	81375	(ML/EPA 300.0)	Nitrate-N by IC	9.8	mg/l	0.10	1
08/03/98	08/04/98	82088	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/25/98	81103	(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	07/24/98	81376	(ML/EPA 300.0)	Sulfate	20	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	290	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/28/98	81449	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/28/98	81449	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/28/98	81449	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(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
	07/28/98	81449	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-045 (980724109) Sampled on 07/24/98								
	07/27/98	82746	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	7.80	meq/l	0.0010	1
08/03/98	08/10/98	82288	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/07/98	08/19/98	82713	(EPA/ML 200.7)	Calcium, Total, ICAP	57	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	7.99	meq/l	0.0010	1
	07/24/98	81373	(ML/EPA 300)	Chloride	91	mg/l	2.0	2
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	5.9	ug/l	4.0	1
	07/27/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.69	mg/l	0.0010	1
08/03/98	08/04/98	82083	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/24/98	81089	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	07/28/98	81292	(ML/S2510B)	Specific Conductance	825	umho/cm	4.0	1
08/03/98	08/04/98	82086	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	07/27/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	164	mg/l	0.0010	1
08/07/98	08/19/98	82715	(ML/EPA 200.7)	Potassium, Total, ICAP	4.3	mg/l	1.0	1
08/07/98	08/19/98	82717	(ML/EPA 200.7)	Magnesium, Total, ICAP	40	mg/l	0.10	1
08/07/98	08/19/98	82720	(ML/EPA 200.7)	Sodium, Total, ICAP	40	mg/l	1.0	1
	07/24/98	81375	(ML/EPA 300.0)	Nitrate-N by IC	6.3	mg/l	0.20	2
08/03/98	08/04/98	82088	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/25/98	81103	(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	07/24/98	81376	(ML/EPA 300.0)	Sulfate	100	mg/l	4.0	2
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	460	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	07/28/98	81449	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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(continued)

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	07/28/98	81449	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/28/98	81449	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/28/98	81449	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(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
	07/28/98	81449	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/28/98	81449	(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	100	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-983-046 (980724110) Sampled on 07/24/98

	07/27/98	82746	(ML/S2320B)	Alkalinity	250	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	13.6	meq/l	0.0010	1
08/03/98	08/10/98	82288	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/07/98	08/19/98	82713	(EPA/ML 200.7)	Calcium, Total, ICAP	150	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	13.6	meq/l	0.0010	1
	07/25/98	81373	(ML/EPA 300)	Chloride	120	mg/l	3.0	3
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	4.9	ug/l	4.0	1
	07/27/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.198	mg/l	0.0010	1
08/03/98	08/04/98	82083	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/24/98	81089	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	07/28/98	81292	(ML/S2510B)	Specific Conductance	1350	umho/cm	4.0	1
08/03/98	08/04/98	82086	(EPA/ML 200.8)	Iron, Total, ICAP/MS	800	ug/l	100	1
	07/27/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	305	mg/l	0.0010	1
08/07/98	08/19/98	82715	(ML/EPA 200.7)	Potassium, Total, ICAP	4.0	mg/l	1.0	1
08/07/98	08/19/98	82717	(ML/EPA 200.7)	Magnesium, Total, ICAP	54	mg/l	0.10	1
08/07/98	08/19/98	82720	(ML/EPA 200.7)	Sodium, Total, ICAP	35	mg/l	1.0	1
	07/25/98	81375	(ML/EPA 300.0)	Nitrate-N by IC	17	mg/l	0.30	3

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
08/03/98	08/04/98	82088	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/25/98	81103	(ML/SM 4500H)	Lab pH	7.0	Units	0.0010	1
	07/25/98	81376	(ML/EPA 300.0)	Sulfate	190	mg/l	6.0	3
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	830	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/28/98	81449	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloroethane	0.8	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/28/98	81449	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/28/98	81449	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/28/98	81449	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.8	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.9	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81449	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/28/98	81449	(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	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-047 (980724111) Sampled on 07/24/98								
	07/27/98	82746	(ML/S2320B)	Alkalinity	210	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	13.5	meq/l	0.0010	1
08/03/98	08/10/98	82288	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/07/98	08/19/98	82713	(EPA/ML 200.7)	Calcium, Total, ICAP	150	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	13.7	meq/l	0.0010	1
	07/25/98	81373	(ML/EPA 300)	Chloride	130	mg/l	3.0	3
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	4.4	ug/l	4.0	1
	07/27/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.132	mg/l	0.0010	1
08/03/98	08/04/98	82083	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/24/98	81089	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	07/28/98	81292	(ML/S2510B)	Specific Conductance	1350	umho/cm	4.0	1
08/03/98	08/04/98	82086	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1500	ug/l	100	1
	07/27/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	256	mg/l	0.0010	1
08/07/98	08/19/98	82715	(ML/EPA 200.7)	Potassium, Total, ICAP	4.2	mg/l	1.0	1
08/07/98	08/19/98	82717	(ML/EPA 200.7)	Magnesium, Total, ICAP	50	mg/l	0.10	1
08/07/98	08/19/98	82720	(ML/EPA 200.7)	Sodium, Total, ICAP	45	mg/l	1.0	1
	07/25/98	81375	(ML/EPA 300.0)	Nitrate-N by IC	20	mg/l	0.30	3
08/03/98	08/04/98	82088	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/25/98	81103	(ML/SM 4500H)	Lab pH	6.9	Units	0.0010	1
	07/25/98	81376	(ML/EPA 300.0)	Sulfate	200	mg/l	6.0	3
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	820	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/28/98	81451	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,1-Dichloroethane	1.7	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/28/98	81451	(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
	07/28/98	81451	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/28/98	81451	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/28/98	81451	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81451	(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
	07/28/98	81451	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.8	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/28/98	81451	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/28/98	81451	(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	90	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Laboratory QC Report #45434

Foster Wheeler Environmental, Inc

QC Batch #81089 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0724107		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0505	101.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0505	101.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0505	101.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0505	101.0	(80.00 - 120.00)	0.00

QC Batch #81103 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0724111		(0.00 - 0.00)	

QC Batch #81292 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0724109		(0.00 - 0.00)	

QC Batch #81373 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0724107		(0.00 - 0.00)	
LCS1	Chloride	25	27	108.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(90.00 - 110.00)	3.8
MBLK	Chloride	ND				
MS	Chloride	25	28	112.0	(80.00 - 120.00)	
MSD	Chloride	25	28	112.0	(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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Laboratory
QC Report
#45434

Foster Wheeler Environmental, Inc
(continued)

QC Batch #81375 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0724107		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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 #81376 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0724107		(0.00 - 0.00)	
LCS1	Sulfate	50	52	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	52	104.0	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	56	112.0	(80.00 - 120.00)	
MSD	Sulfate	50	56	112.0	(80.00 - 120.00)	0.00

QC Batch #81449 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	8	8.68	108.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.78	109.7	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.49	106.1	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	8.27	103.4	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	8.86	110.8	(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	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	8.99	112.4	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.02	112.8	(70.00 - 130.00)	0.33
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.55	106.9	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.87	110.9	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.36	104.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.81	110.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.57	119.6	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Benzene	8	9.13	114.1	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	9.20	115.0	(70.00 - 130.00)	
MSD	Benzene	8	9.20	115.0	(70.00 - 130.00)	0.00
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	9.56	119.5	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.79	109.9	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	8.29	103.6	(70.00 - 130.00)	
MSD	Chlorobenzene	8	8.41	105.1	(70.00 - 130.00)	1.4

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.
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Foster Wheeler Environmental, Inc
(continued)

LCS1	Carbon Tetrachloride	8	8.60	107.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	Bromoform	8	8.19	102.4	(70.00 - 130.00)
MBLK	Bromoform	ND			
LCS1	Chloroform (Trichloromethane)	8	8.36	104.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Bromochloromethane	ND			
MBLK	Chloroethane	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	8	8.08	101.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	8	8.31	103.9	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	8	7.61	95.1	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	8	8.80	110.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	4	3.63	90.8	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	16	17.9	111.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	Naphthalene	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
LCS1	o-Xylene	8	8.74	109.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.56	107.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	Tetrachloroethylene (PCE)	8	9.09	113.6	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
MBLK	p-Isopropyltoluene	ND			

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MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.23	115.4	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	102	102.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	92	92.0		
MS	1,2-dichloroethane-d4	100	99	99.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 120.00)	6.8
LCS1	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	102	102.0		
MS	Toluene-d8	100	96	96.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	95	95.0	(80.00 - 120.00)	1.0
LCS1	4-Bromofluorobenzene	100	104	104.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	114	114.0		
MS	4-Bromofluorobenzene	100	102	102.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	100	100.0	(80.00 - 120.00)	2.0
LCS1	trans-1,2-Dichloroethylene	8	8.65	108.1	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.71	108.9	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.50	118.8	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.09	113.6	(70.00 - 130.00)	4.4
LCS1	Trichlorotrifluoroethane(Freon	4	4.31	107.7	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	9.15	114.4	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	8.87	110.9	(70.00 - 130.00)	
MSD	Toluene	8	8.97	112.1	(70.00 - 130.00)	1.1
LCS1	Vinyl chloride (VC)	4	3.67	91.8	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #81451 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	8	8.68	108.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.78	109.7	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.49	106.1	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	8.27	103.4	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	8.86	110.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.48	118.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.15	114.4	(70.00 - 130.00)	3.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.55	106.9	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.87	110.9	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.36	104.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.81	110.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.57	119.6	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	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)

MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Benzene	8	9.13	114.1	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	9.90	123.8	(70.00 - 130.00)	
MSD	Benzene	8	9.86	123.2	(70.00 - 130.00)	0.40
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	9.56	119.5	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.79	109.9	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	8.96	112.0	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.44	118.0	(70.00 - 130.00)	5.2
LCS1	Carbon Tetrachloride	8	8.60	107.5	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	8.19	102.4	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	8.36	104.5	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	8.08	101.0	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	8.31	103.9	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	7.61	95.1	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.80	110.0	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	3.63	90.8	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	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)

MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	17.9	111.9	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	8.74	109.2	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.56	107.0	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	9.09	113.6	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.23	115.4	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	102	102.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	92	92.0		
MS	1,2-dichloroethane-d4	100	105	105.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	108	108.0	(80.00 - 120.00)	2.8
LCS1	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	102	102.0		
MS	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	102	102.0	(80.00 - 120.00)	2.0
LCS1	4-Bromofluorobenzene	100	104	104.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	114	114.0		
MS	4-Bromofluorobenzene	100	102	102.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	104	104.0	(80.00 - 120.00)	1.9
LCS1	trans-1,2-Dichloroethylene	8	8.65	108.1	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.71	108.9	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.19	114.9	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.55	119.4	(70.00 - 130.00)	3.8

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LCS1	Trichlorotrifluoroethane(Freon	4	4.31	107.7	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	9.15	114.4	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.55	119.4	(70.00 - 130.00)	
MSD	Toluene	8	9.57	119.6	(70.00 - 130.00)	0.21
LCS1	Vinyl chloride (VC)	4	3.67	91.8	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #81471 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0722071		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.8	94.0	(90.00 - 110.00)	0.53
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.7	98.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.3	96.5	(75.00 - 125.00)	2.1

QC Batch #81683 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0723152		(0.00 - 0.00)	
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #82083 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	92	92.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	93	93.0	(85.00 - 115.00)	1.1

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MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	96	96.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97	97.0	(70.00 - 130.00)	1.0

QC Batch #82086 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	471	94.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	513	102.6	(85.00 - 115.00)	8.5
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	300	60.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	303	60.6	(70.00 - 130.00)	1.00

QC Batch #82088 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	20.2	101.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	3.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21.0	105.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	23.8	119.0	(70.00 - 130.00)	13

QC Batch #82288 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.019	95.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.021	105.0	(85.00 - 115.00)	10
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.024	120.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.022	110.0	(85.00 - 115.00)	8.7

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #82713 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	51.2	102.4	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	50.7	101.4	(90.00 - 110.00)	0.98
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	51.2	102.4	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	50.7	101.4	(80.00 - 120.00)	0.98

QC Batch #82715 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	20.4	102.0	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	20.5	102.5	(80.00 - 110.00)	0.49
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.2	106.0	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.1	105.5	(80.00 - 120.00)	0.47

QC Batch #82717 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	20.4	102.0	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	20.3	101.5	(85.00 - 115.00)	0.49
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	20.3	101.5	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	20.4	102.0	(70.00 - 130.00)	0.49

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

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)

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82720 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723151		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	50.2	100.4	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	50.1	100.2	(80.00 - 120.00)	0.20
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	50.6	101.2	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	50.4	100.8	(80.00 - 120.00)	0.40

QC Batch #82746 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0722074		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	98.3	102.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.5	100.3	(90.00 - 110.00)	1.8
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	87.5	91.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	87.9	91.4	(80.00 - 120.00)	0.46

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

September 15, 1998

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

Attention: Mark Cutler

Re: Report # 45490 (MW-983-092, -093, -074, -075, -076, -077, -078)

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):
(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used are 70-130. All data is acceptable.

Samples requiring dilution (with increased MRL's):
None

Method blanks with compounds detected:
None

Other Comments:
Cations are analyzed by EPA 200.7.
The ion balance exceeds QC criteria for sample ID: MW-983-074, -077, -078
Arsenic was detected in sample ID: MW-983-074
Carbon Tetrachloride was detected in sample ID: MW-983-076
Chloroform was detected in sample ID: MW-983-076
Trichloroethylene was detected in sample ID: MW-983-076
Perchlorate is reported as ND for sample ID: MW-983-076
Lead was detected in sample ID: MW-983-077

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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

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#007618-0003
Group#: 45490
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/27/98. 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
980727126	MW-983-092			Water			07/27/98
		@EBASVOA					
980727127	MW-983-093			Water			07/27/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI	
		CLO4					
980727128	MW-983-074			Water			07/27/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980727129	MW-983-075			Water			07/27/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	AS-GF	CR-MS	
980727130	MW-983-076			Water			07/27/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	AS-GF	CR-MS	
980727131	MW-983-077			Water			07/27/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	AS-GF	CR-MS	
980727132	MW-983-078			Water			07/27/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	AS-GF	CR-MS	

Test Acronym Description

Test Acronym	Description

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

Customer Code: ENSERCH
PO#: Sub PO#007618-0003
Group#: 45490
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA	Calcium, Total, ICAP
CATION1	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	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
NA	Sodium, Total, ICAP
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

45490

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO.: 1572-0250 0000

PROJECT ADDRESS: 4800 OAK GROVE DR. PASADENA, CA

SAMPLER (Name): David Dickin

SAMPLER (Signature): [signature]

LABORATORY: Montgomery Watson

REPORTS TO BE SENT TO: Mark Cutter @ Foster Wheeler Costa Mesa

HAZARD IDENTIFICATION: Non Hazard ☒ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☒ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SAMPLE MATERIAL: SOIL	SAMPLE MATERIAL: OTHER (Describe)	VOCs (524.2)	Total Cr As, Pb metals (6010/7000)	Anions + TDS	Cr+6	CLO4					
MW-983-072	0800	7/27/98	2	2x40 mL	X		980727126	X									
MW-983-073	0810	7/27/98	5	2x40 mL, 1x250, 1x125, 1x125	X		127	X	X		X	X					
MW-983-074	1000	7/27/98	6	2x40, [illegible] 1x250, 2x125	X		128	X	X	X	X	X					
MW-983-075	1110	7/27/98	6	[illegible] 1x250, 2x125	X		129	X	X	X	X	X					
MW-983-076	1330	7/27/98	6	2x40, 1x250, 1x125, 2x125	X		130	X	X	X	X	X					
MW-983-077	1440	7/27/98	6	2x40, [illegible]	X		131	X	X	X	X	X					
MW-983-078	1540	[illegible]	6	[illegible]	X		132	X	X	X	X	X					

END

LABORATORY INSTRUCTIONS/COMMENTS

Level IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[signature]	7/27/98	[signature]			
COMPANY: Foster Wheeler	TIME: 16:55	COMPANY: MWL	COMPANY	TIME	COMPANY

F-2

SHIPPING COPY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: ENSERCH Date Received: 7-27-98

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: 7-27-98
by (print) Mike Chhiang (sign) [signature]

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: Samples were in the Custody of the Sampler until delivery to MWL Login personnel Custody Manager
   If Yes, enter the following: seal date: _____, seal name: _____

3. Were custody seals unbroken & intact at delivery? DEM 7/30/98 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: _____ (date) 7-27-98

B. LOG-IN PHASE: Date samples were logged-in: 7-27-98 by:
(print) M. DE MESA (sign) [signature]

9. Describe packing:

10. If required, was enough ice used? Sufficient ice was used as these are delivered to the lab the same day as sampling occurred and frequently sent day of receipt Yes **No** → 1 bag * usually comes 2 bags

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

12. Did all bottles arrive unbroken/in good condition? DEM 7/30/98 **Yes** No

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

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

15. Were correct containers useed 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? **Yes** No
    If NO, list by sample id on back.

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

Mark Cutler notified 7/30/98

Report Summary of positive results, PR45490

			Result	MDL	UNITS
Analyzed	980727126	MW-983-092			
Analyzed	980727127	MW-983-093			
Analyzed	980727128	MW-983-074			
08/03/98	Alkalinity		130	2.000	MGL
08/04/98	Anion Sum		3.00	.001	MEQL
08/11/98	Arsenic, Total, GF		0.0059	.005	MGL
08/03/98	Bicarbonate as HCO3,calculated		155	.001	MGL
08/20/98	Calcium, Total, ICAP		3.8	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		8.00	.001	MGL
08/23/98	Cation Sum		3.47	.001	MEQL
07/29/98	Chloride		9.6	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		360	******	UGL
07/28/98	Lab pH		8.9	.001	UNIT
08/20/98	Magnesium, Total, ICAP		0.83	.100	MGL
08/20/98	Potassium, Total, ICAP		1.4	1.000	MGL
08/20/98	Sodium, Total, ICAP		73	1.000	MGL
08/04/98	Specific Conductance		340	4.000	UMHO
07/29/98	Sulfate		6.3	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)		210	10.000	MGL
Analyzed	980727129	MW-983-075			
08/03/98	Alkalinity		150	2.000	MGL
08/04/98	Anion Sum		3.60	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		182	.001	MGL
08/20/98	Calcium, Total, ICAP		20	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		1.87	.001	MGL
08/23/98	Cation Sum		3.90	.001	MEQL
07/29/98	Chloride		11	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		290	******	UGL
07/28/98	Lab pH		8.2	.001	UNIT
08/20/98	Magnesium, Total, ICAP		8.6	.100	MGL
07/29/98	Nitrate-N by IC		0.20	.100	MGL
08/20/98	Potassium, Total, ICAP		2.4	1.000	MGL
08/20/98	Sodium, Total, ICAP		49	1.000	MGL
08/04/98	Specific Conductance		360	4.000	UMHO
07/29/98	Sulfate		13	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)		200	10.000	MGL
Analyzed	980727130	MW-983-076			
07/29/98	Carbon Tetrachloride		2.4	.500	UGL
07/29/98	Chloroform (Trichloromethane)		3.6	.500	UGL
07/29/98	Trichloroethylene (TCE)		0.6	.500	UGL
08/03/98	Alkalinity		140	2.000	MGL
08/04/98	Anion Sum		3.90	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		170	.001	MGL
08/20/98	Calcium, Total, ICAP		21	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		2.78	.001	MGL
08/23/98	Cation Sum		3.96	.001	MEQL
07/29/98	Chloride		24	1.000	MGL

09/02/98	Iron, Total, ICAP/MS	270	******	UGL
07/28/98	Lab pH	8.4	.001	UNIT
08/20/98	Magnesium, Total, ICAP	12	.100	MGL
07/29/98	Nitrate-N by IC	0.15	.100	MGL
07/29/98	Perchlorate	10	4.000	UGL
08/20/98	Potassium, Total, ICAP	3.6	1.000	MGL
08/20/98	Sodium, Total, ICAP	42	1.000	MGL
08/04/98	Specific Conductance	380	4.000	UMHO
07/29/98	Sulfate	20	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)	220	10.000	MGL

Analyzed 980727131 MW-983-077

08/03/98	Alkalinity	185	2.000	MGL
08/04/98	Anion Sum	4.86	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	226	.001	MGL
08/20/98	Calcium, Total, ICAP	57	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.464	.001	MGL
08/23/98	Cation Sum	5.42	.001	MEQL
07/29/98	Chloride	14	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	220	******	UGL
07/28/98	Lab pH	7.5	.001	UNIT
09/10/98	Lead, Total, ICAP/MS	4.1	2.000	UGL
08/20/98	Magnesium, Total, ICAP	19	.100	MGL
07/29/98	Nitrate-N by IC	0.83	.100	MGL
08/20/98	Potassium, Total, ICAP	3.5	1.000	MGL
08/20/98	Sodium, Total, ICAP	21	1.000	MGL
08/04/98	Specific Conductance	470	4.000	UMHO
07/29/98	Sulfate	34	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)	270	10.000	MGL

Analyzed 980727132 MW-983-078

08/03/98	Alkalinity	145	2.000	MGL
08/04/98	Anion Sum	3.64	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	177	.001	MGL
08/20/98	Calcium, Total, ICAP	41	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.289	.001	MGL
08/23/98	Cation Sum	4.11	.001	MEQL
07/29/98	Chloride	5.1	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	550	******	UGL
07/28/98	Lab pH	7.4	.001	UNIT
08/20/98	Magnesium, Total, ICAP	14	.100	MGL
07/29/98	Nitrate-N by IC	0.71	.100	MGL
08/20/98	Potassium, Total, ICAP	3.2	1.000	MGL
08/20/98	Sodium, Total, ICAP	19	1.000	MGL
08/04/98	Specific Conductance	365	4.000	UMHO
07/29/98	Sulfate	26	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)	210	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

MONTGOMERY WATSON LABS.
SUBMITTED ON
SEP 14 1998
DEB* Debbie Frank

Report#: 45490
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 #45490

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

Samples Received
27-jul-1998 17:12:53

MW-983-092 (980727126) Sampled on 07/27/98

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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
#45490

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	99	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-093 (980727127) Sampled on 07/27/98								
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/27/98	81638	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	103	% Rec		
MW-983-074 (980727128)			**Sampled on 07/27/98**					
	08/03/98	82747	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	3.00	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	0.0059	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	3.8	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	3.47	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	9.6	mg/l	1.0	1
	08/12/98	82343	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	8.00	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/27/98	81638	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	340	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	360	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	155	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	1.4	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	0.83	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	73	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/28/98	81367	(ML/SM 4500H)	Lab pH	8.9	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	6.3	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	210	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	95	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-983-075 (980727129) Sampled on 07/27/98

	08/03/98	82747	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	3.60	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	20	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	3.90	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.87	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/27/98	81638	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	360	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	290	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	182	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	2.4	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	8.6	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	49	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	0.20	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/28/98	81367	(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	13	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	200	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	93	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-076 (980727130) Sampled on 07/27/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	3.90	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	21	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	3.96	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	24	mg/l	1.0	1
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	10	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	2.78	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/27/98	81638	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	380	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	270	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	170	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.6	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	12	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	42	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	0.15	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/28/98	81367	(ML/SM 4500H)	Lab pH	8.4	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	20	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	220	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	2.4	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.6	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.6	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	93	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

MW-983-077 (980727131) Sampled on 07/27/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	4.86	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	57	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.42	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.464	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/27/98	81638	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	470	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	220	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	226	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.5	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	19	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	21	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	0.83	mg/l	0.10	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	4.1	ug/l	2.0	1
	07/28/98	81367	(ML/SM 4500H)	Lab pH	7.5	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	34	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	270	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-078 (980727132) Sampled on 07/27/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	3.64	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	41	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.11	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	5.1	mg/l	1.0	1
	07/29/98	81471	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.289	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/27/98	81638	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	365	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	550	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	177	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.2	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	14	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	19	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	0.71	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/28/98	81367	(ML/SM 4500H)	Lab pH	7.4	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	26	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	210	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	93	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Laboratory QC Report #45490

Foster Wheeler Environmental, Inc

QC Batch #81367 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0727132		(0.00 - 0.00)	

QC Batch #81452 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	8	8.26	103.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	7.30	91.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.16	102.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	8.11	101.4	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	9.03	112.9	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.48	118.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.15	114.4	(70.00 - 130.00)	3.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.11	101.4	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.75	109.4	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.47	105.9	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.58	107.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	7.80	97.5	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	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	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Benzene	8	9.28	116.0	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	9.90	123.8	(70.00 - 130.00)	
MSD	Benzene	8	9.86	123.2	(70.00 - 130.00)	0.40
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	9.41	117.6	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.84	110.5	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	8.96	112.0	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.44	118.0	(70.00 - 130.00)	5.2
LCS1	Carbon Tetrachloride	8	8.45	105.6	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	7.56	94.5	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	8.35	104.4	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	8.04	100.5	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	8.18	102.2	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	7.89	98.6	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.62	107.7	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	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
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Foster Wheeler Environmental, Inc
(continued)

LCS1	Fluorotrichloromethane-Freon11	4	3.54	88.5	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	18.3	114.4	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	8.31	103.9	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.13	101.6	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	8.89	111.1	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	8.80	110.0	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	109	109.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	93	93.0		
MS	1,2-dichloroethane-d4	100	105	105.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	108	108.0	(80.00 - 120.00)	2.8
LCS1	Toluene-d8	100	99	99.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	103	103.0		
MS	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	102	102.0	(80.00 - 120.00)	2.0
LCS1	4-Bromofluorobenzene	100	93	93.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	108	108.0		
MS	4-Bromofluorobenzene	100	102	102.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	104	104.0	(80.00 - 120.00)	1.9
LCS1	trans-1,2-Dichloroethylene	8	8.86	110.8	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.90	111.2	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	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)

MS	Trichloroethylene (TCE)	8	9.19	114.9	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.55	119.4	(70.00 - 130.00)	3.8
LCS1	Trichlorotrifluoroethane(Freon	4	3.96	99.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	8.92	111.5	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.55	119.4	(70.00 - 130.00)	
MSD	Toluene	8	9.57	119.6	(70.00 - 130.00)	0.21
LCS1	Vinyl chloride (VC)	4	3.63	90.8	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #81471 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0722071		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	18.9	94.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.8	94.0	(90.00 - 110.00)	0.53
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.7	98.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.3	96.5	(75.00 - 125.00)	2.1

QC Batch #81584 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Chloride	25	26	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(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

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 #81586 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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	2.8	112.0	(80.00 - 120.00)	7.4

QC Batch #81587 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Sulfate	50	51	102.0	(90.00 - 110.00)	
LCS2	Sulfate	50	51	102.0	(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

QC Batch #81638 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	80727129		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0492	98.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0486	97.2	(78.00 - 118.00)	1.2
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0474	94.8	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0492	98.4	(80.00 - 120.00)	3.7

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

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #81670 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0728191		(0.00 - 0.00)	

QC Batch #81683 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0723152		(0.00 - 0.00)	
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

QC Batch #82290 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0183	91.5	(85.00 - 115.00)	18
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0248	124.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0253	126.5	(85.00 - 115.00)	2.0

QC Batch #82343 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0810081		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	21.8	109.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	18.4	92.0	(90.00 - 110.00)	17
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	22.4	112.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.7	103.5	(75.00 - 125.00)	7.9

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #82722 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	0.00
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	53.5	107.0	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	52.5	105.0	(80.00 - 120.00)	1.9

QC Batch #82724 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	0.00
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.4	107.0	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.0	105.0	(80.00 - 120.00)	1.9

QC Batch #82726 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	0.00
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	21.1	105.5	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	20.7	103.5	(70.00 - 130.00)	1.9

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

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #82728 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	50.7	101.4	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	50.8	101.6	(80.00 - 120.00)	0.20
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	50.5	101.0	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	49.7	99.4	(80.00 - 120.00)	1.6

QC Batch #82747 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0731047		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	97.6	101.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	98.3	102.2	(90.00 - 110.00)	0.71
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.4	98.1	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.2	99.0	(80.00 - 120.00)	0.84

QC Batch #82748 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.9	103.8	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	99.7	103.6	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.3	99.1	(80.00 - 120.00)	1.4

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #83408 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	92.9	93.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	1.5
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	92.4	92.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.1	98.0	(70.00 - 130.00)	6.0

QC Batch #83418 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	522	104.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	530	106.0	(85.00 - 115.00)	1.5
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	478	95.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	502	100.4	(70.00 - 130.00)	4.9

QC Batch #83810 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	20.0	100.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.8	104.0	(85.00 - 115.00)	3.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.8	104.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	22.8	114.0	(70.00 - 130.00)	9.2

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

September 15, 1998

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

Attention: Mark Cutler

Re: Report # 45525 (MW-983-094, -095, -056, -057, -058, -059 -060)

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):
(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used are 70-130. All data is acceptable.
Samples requiring dilution (with increased MRL's):
None
Method blanks with compounds detected:
None
Other Comments:
Cations are analyzed by EPA 200.7.
The ion balance exceeds QC criteria for sample ID: MW-983-057, -058, -059
Carbon Tetrachloride was detected in sample ID: MW-983-058, -059, -060
Chloroform was detected in sample ID: MW-983-057, -058, -059
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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

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#007618-0003
Group#: 45525
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/28/98. 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
980728185	MW-983-094			Water			07/28/98
		@EBASVOA					
980728186	MW-983-095			Water			07/28/98
		@EBASVOA	AS-GF	CR-MS	PB-MS	CR-VI	
		CLO4					
980728187	MW-983-056			Water			07/28/98
		@EBASVOA	AS-GF	CR-MS	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980728188	MW-983-057			Water			07/28/98
		@EBASVOA	AS-GF	CR-MS	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980728189	MW-983-058			Water			07/28/98
		@EBASVOA	AS-GF	CR-MS	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980728190	MW-983-059			Water			07/28/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	CR-MS	AS-GF	
980728191	MW-983-060			Water			07/28/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	CR-MS	AS-GF	

Test Acronym Description

Test Acronym	Description

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

Customer Code: ENSERCH
PO#: Sub PO#007618-0003
Group#: 45525
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA	Calcium, Total, ICAP
CATION1	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	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
NA	Sodium, Total, ICAP
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

NUMBER 2671

45525

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: J.L.

OFS NO: [illegible]

PROJECT ADDRESS: 4[illegible] OAK GROVE DRIVE PAOLI PA

SAMPLER (Name): David Dickson

SAMPLER (Signature): [illegible]

LABORATORY: [illegible]

REPORTS TO BE SENT TO: Mark Cutler

HAZARD IDENTIFICATION: Non Hazard ☒ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☒ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SOIL	OTHER (Describe)	VOC (524.2)	Total As, Cr, Pb	Anion + TDS	Cr+6	CLOH	Mi For VOCs	Mo For VOCs	Mi Inorg For Total	Cr+6
MW-183-044	0800	7/[illegible]	2	2 x 40 mL	X		980728185	X								
MW-183-045	0805	7/[illegible]	5	2 x 40 mL, 2 x 125	X		186	X	X		X	X				
MW-183-050	0905	7/[illegible]	6	2 x 40 mL, 2 x 125	X		187	X	X	X	X	X			X	
~~MW-183-083~~	[illegible]	7/[illegible]	2	2 x 40 mL	X								X			
~~MW-183-083~~	[illegible]	7/[illegible]	2	2 x 40 mL	X									X		
~~MW-183-083~~	1055	7/[illegible]	6	[illegible]	X		188	X	X	X	X	X				X
~~MW-183-083~~	1210	7/[illegible]	6	[illegible]	X		189	X	X	X	X	X				
~~MW-183-083~~	~~1310~~ 1305	7/[illegible]	6	[illegible]	X		190	X	X	X	X	X				
MW-183-06[illegible]	1400	7/[illegible]	6	[illegible]	X		191	X	X	X	X	X				
END																

per Mark Cutler Instruction 7/30/98.

LABORATORY INSTRUCTIONS/COMMENTS

Level IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[illegible]	7/[illegible]/98	[illegible]			
COMPANY: [illegible]	TIME: [illegible]	COMPANY: [illegible]	COMPANY	TIME	COMPANY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: ENSERCH Date Received: 7-28-98

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: 7-28-98
by (print) Mike Lahrang (sign) [signature]

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: 1 opening of cooler
   If Yes, enter the following: seal date: 7-28-98, seal name: SBK

3. Were custody seals unbroken & intact at delivery? **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: _____(date)_____

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

9. Describe packing: 1 bag

10. If required, was enough ice used? Sufficient Ice is used as these are delivered to the lab the same day as sampling occured and refrigerated the same day as received 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)? 7/30/98 **Yes** No

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

15. Were correct containers useed 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? **Yes** No
    If NO, list by sample id on back.

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

Notified Mark Cutler 7/30/98

Report Summary of positive results, PR45525

			Result	MDL	UNITS
Analyzed	980728185	MW-983-094			
Analyzed	980728186	MW-983-095			
Analyzed	980728187	MW-983-056			
08/03/98	Alkalinity		130	2.000	MGL
08/04/98	Anion Sum		3.31	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		158	.001	MGL
08/20/98	Calcium, Total, ICAP		24	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		1.63	.001	MGL
08/23/98	Cation Sum		3.61	.001	MEQL
07/29/98	Chloride		12	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		130	******	UGL
07/29/98	Lab pH		8.2	.001	UNIT
08/20/98	Magnesium, Total, ICAP		2.4	.100	MGL
08/20/98	Potassium, Total, ICAP		1.7	1.000	MGL
08/20/98	Sodium, Total, ICAP		50	1.000	MGL
08/04/98	Specific Conductance		340	4.000	UMHO
07/29/98	Sulfate		18	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)		200	10.000	MGL
Analyzed	980728188	MW-983-057			
07/29/98	Chloroform (Trichloromethane)		0.5	.500	UGL
08/03/98	Alkalinity		160	2.000	MGL
08/04/98	Anion Sum		3.95	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		194	.001	MGL
08/20/98	Calcium, Total, ICAP		40	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		2.00	.001	MGL
08/23/98	Cation Sum		4.36	.001	MEQL
07/29/98	Chloride		11	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		700	******	UGL
07/29/98	Lab pH		8.2	.001	UNIT
08/20/98	Magnesium, Total, ICAP		14	.100	MGL
08/20/98	Potassium, Total, ICAP		3.2	1.000	MGL
08/20/98	Sodium, Total, ICAP		26	1.000	MGL
08/04/98	Specific Conductance		390	4.000	UMHO
07/29/98	Sulfate		21	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)		230	10.000	MGL
Analyzed	980728189	MW-983-058			
07/29/98	Carbon Tetrachloride		1.5	.500	UGL
07/29/98	Chloroform (Trichloromethane)		1.4	.500	UGL
08/03/98	Alkalinity		170	2.000	MGL
08/04/98	Anion Sum		4.35	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		207	.001	MGL
08/20/98	Calcium, Total, ICAP		50	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		1.35	.001	MGL
08/23/98	Cation Sum		4.99	.001	MEQL
07/29/98	Chloride		13	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		110	******	UGL
07/29/98	Lab pH		8.0	.001	UNIT

08/20/98	Magnesium, Total, ICAP	15	.100	MGL
07/29/98	Nitrate-N by IC	0.34	.100	MGL
08/20/98	Potassium, Total, ICAP	3.2	1.000	MGL
08/20/98	Sodium, Total, ICAP	27	1.000	MGL
08/04/98	Specific Conductance	440	4.000	UMHO
07/29/98	Sulfate	27	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)	240	10.000	MGL

Analyzed 980728190 MW-983-059

07/29/98	Carbon Tetrachloride	0.9	.500	UGL
07/29/98	Chloroform (Trichloromethane)	0.6	.500	UGL
08/03/98	Alkalinity	170	2.000	MGL
08/04/98	Anion Sum	4.64	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	207	.001	MGL
08/20/98	Calcium, Total, ICAP	51	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	1.07	.001	MGL
08/23/98	Cation Sum	5.26	.001	MEQL
07/29/98	Chloride	15	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	270	******	UGL
07/29/98	Lab pH	7.9	.001	UNIT
08/20/98	Magnesium, Total, ICAP	19	.100	MGL
07/29/98	Nitrate-N by IC	0.60	.100	MGL
08/20/98	Potassium, Total, ICAP	4.1	1.000	MGL
08/20/98	Sodium, Total, ICAP	24	1.000	MGL
08/04/98	Specific Conductance	465	4.000	UMHO
07/29/98	Sulfate	37	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)	270	10.000	MGL

Analyzed 980728191 MW-983-060

07/29/98	Carbon Tetrachloride	1.5	.500	UGL
08/03/98	Alkalinity	200	2.000	MGL
08/04/98	Anion Sum	5.51	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	244	.001	MGL
08/20/98	Calcium, Total, ICAP	60	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	1.00	.001	MGL
08/23/98	Cation Sum	6.10	.001	MEQL
07/29/98	Chloride	19	1.000	MGL
07/29/98	Lab pH	7.8	.001	UNIT
08/20/98	Magnesium, Total, ICAP	22	.100	MGL
07/29/98	Nitrate-N by IC	0.85	.100	MGL
08/20/98	Potassium, Total, ICAP	4.6	1.000	MGL
08/20/98	Sodium, Total, ICAP	27	1.000	MGL
08/04/98	Specific Conductance	540	4.000	UMHO
07/29/98	Sulfate	44	2.000	MGL
07/30/98	Total Dissolved Solid (TDS)	310	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

MONTGOMERY WATSON LABS.
SUBMITTED ON
SEP 14 1998
DEB* Debbie Frank

Report#: 45525
JPL

MONTGOMERY WATSON LABORATORIES

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Laboratory
Report
#45525

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

Samples Received
28-jul-1998 16:13:21

MW-983-094 (980728185) Sampled on 07/28/98

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#45525

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	102	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-095 (980728186) Sampled on 07/28/98								
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	08/04/98	81896	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/28/98	81639	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	101	% Rec		
MW-983-056 (980728187) Sampled on 07/28/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	3.31	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	24	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	3.61	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	08/04/98	81896	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.63	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/28/98	81639	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	340	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	1.7	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	2.4	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	50	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/29/98	81420	(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	18	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	200	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Laboratory
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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	101	% Rec		

MW-983-057 (980728188) Sampled on 07/28/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	3.95	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	40	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.36	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	08/04/98	81896	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	2.00	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/28/98	81639	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	390	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	700	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	194	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.2	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	14	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	26	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/29/98	81420	(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	21	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	230	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	101	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-058 (980728189) Sampled on 07/28/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	4.35	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	50	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.99	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	08/04/98	81896	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.35	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/28/98	81639	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	440	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	110	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.2	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	15	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	27	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	0.34	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/29/98	81420	(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	27	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	1.5	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	94	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-983-059 (980728190) Sampled on 07/28/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	4.64	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	51	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.26	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	08/04/98	81896	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.07	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/28/98	81639	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	465	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	270	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	4.1	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	19	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	24	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	0.60	mg/l	0.10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/29/98	81420	(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	37	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	270	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	0.9	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(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	91	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-060 (980728191) Sampled on 07/28/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	5.51	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	60	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	6.10	meq/l	0.0010	1
	07/29/98	81584	(ML/EPA 300)	Chloride	19	mg/l	1.0	1
	08/04/98	81896	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.00	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/28/98	81639	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81670	(ML/S2510B)	Specific Conductance	540	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	4.6	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	22	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	27	mg/l	1.0	1
	07/29/98	81586	(ML/EPA 300.0)	Nitrate-N by IC	0.85	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/29/98	81420	(ML/SM 4500H)	Lab pH	7.8	Units	0.0010	1
	07/29/98	81587	(ML/EPA 300.0)	Sulfate	44	mg/l	2.0	1
	07/30/98	81683	(ML/S2540C)	Total Dissolved Solid (TDS)	310	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/29/98	81452	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/29/98	81452	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Carbon Tetrachloride	1.5	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(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
	07/29/98	81452	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/29/98	81452	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Laboratory
QC Report
#45525

Foster Wheeler Environmental, Inc

QC Batch #81420 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0728191		(0.00 - 0.00)	

QC Batch #81452 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	8	8.26	103.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	7.30	91.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.16	102.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	8.11	101.4	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	9.03	112.9	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.48	118.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.15	114.4	(70.00 - 130.00)	3.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.11	101.4	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.75	109.4	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.47	105.9	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.58	107.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	7.80	97.5	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	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	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Benzene	8	9.28	116.0	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	9.90	123.8	(70.00 - 130.00)	
MSD	Benzene	8	9.86	123.2	(70.00 - 130.00)	0.40
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	9.41	117.6	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.84	110.5	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	8.96	112.0	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.44	118.0	(70.00 - 130.00)	5.2
LCS1	Carbon Tetrachloride	8	8.45	105.6	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	7.56	94.5	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	8.35	104.4	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	8.04	100.5	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	8.18	102.2	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	7.89	98.6	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.62	107.7	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				

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LCS1	Fluorotrichloromethane-Freon11	4	3.54	88.5	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	18.3	114.4	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	8.31	103.9	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.13	101.6	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	8.89	111.1	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	8.80	110.0	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	109	109.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	93	93.0		
MS	1,2-dichloroethane-d4	100	105	105.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	108	108.0	(80.00 - 120.00)	2.8
LCS1	Toluene-d8	100	99	99.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	103	103.0		
MS	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	102	102.0	(80.00 - 120.00)	2.0
LCS1	4-Bromofluorobenzene	100	93	93.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	108	108.0		
MS	4-Bromofluorobenzene	100	102	102.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	104	104.0	(80.00 - 120.00)	1.9
LCS1	trans-1,2-Dichloroethylene	8	8.86	110.8	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.90	111.2	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	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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MS	Trichloroethylene (TCE)	8	9.19	114.9	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.55	119.4	(70.00 - 130.00)	3.8
LCS1	Trichlorotrifluoroethane(Freon	4	3.96	99.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	8.92	111.5	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.55	119.4	(70.00 - 130.00)	
MSD	Toluene	8	9.57	119.6	(70.00 - 130.00)	0.21
LCS1	Vinyl chloride (VC)	4	3.63	90.8	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #81584 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Chloride	25	26	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(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 #81586 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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	2.8	112.0	(80.00 - 120.00)	7.4

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1 800 566 LABS (1 800 566 5227)

Laboratory
QC Report
#45525

Foster Wheeler Environmental, Inc
(continued)

QC Batch #81587 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Sulfate	50	51	102.0	(90.00 - 110.00)	
LCS2	Sulfate	50	51	102.0	(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

QC Batch #81639 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	80728188		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0517	103.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0511	102.2	(78.00 - 118.00)	1.2
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0498	99.6	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0486	97.2	(80.00 - 120.00)	2.4

QC Batch #81670 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0728191		(0.00 - 0.00)	

QC Batch #81683 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0723152		(0.00 - 0.00)	
LCS1	Total Dissolved Solid (TDS)	175	176	100.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	660	94.3	(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.

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)

Foster Wheeler Environmental, Inc
(continued)

QC Batch #81896 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723155		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.5	97.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	17.3	86.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	16.9	84.5	(75.00 - 125.00)	2.3

QC Batch #82290 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0183	91.5	(85.00 - 115.00)	18
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0248	124.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0253	126.5	(85.00 - 115.00)	2.0

QC Batch #82722 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	0.00
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	53.5	107.0	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	52.5	105.0	(80.00 - 120.00)	1.9

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

MONTGOMERY WATSON LABORATORIES

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Pasadena, California 91101
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Laboratory
QC Report
#45525

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82724 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	0.00
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.4	107.0	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.0	105.0	(80.00 - 120.00)	1.9

QC Batch #82726 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	0.00
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	21.1	105.5	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	20.7	103.5	(70.00 - 130.00)	1.9

QC Batch #82728 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	50.7	101.4	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	50.8	101.6	(80.00 - 120.00)	0.20
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	50.5	101.0	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	49.7	99.4	(80.00 - 120.00)	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
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1 800 566 LABS (1 800 566 5227)

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82748 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.9	103.8	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	99.7	103.6	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.3	99.1	(80.00 - 120.00)	1.4

QC Batch #83408 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	92.9	93.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	1.5
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	92.4	92.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.1	98.0	(70.00 - 130.00)	6.0

QC Batch #83418 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	522	104.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	530	106.0	(85.00 - 115.00)	1.5
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	478	95.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	502	100.4	(70.00 - 130.00)	4.9

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.

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
#45525

Foster Wheeler Environmental, Inc
(continued)

QC Batch #83810 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	20.0	100.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.8	104.0	(85.00 - 115.00)	3.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.8	104.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	22.8	114.0	(70.00 - 130.00)	9.2

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

September 2, 1998

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

Attention: Mark Cutler

Re: Report # 45562 (MW-983-038, -005, -072)
45659 (MW-983-049, -041, -065)

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:
Pacific Analytical, Inc, utilizing EPA method 1625C, analyzed n-Nitrosodimethylamine, NDMA. This is a Gas Chromatographic Mass Spectroscopic methodology utilizing Isotope dilution in Specific Ion Mode, GCMS-SIM. The Reporting limit is 0.03 ppb or 30 ppt. Any detects below the MRL, but above the MDL of 0.005 ppb, would show on the Quantitation Results page. Results below 0.030 ppb but above 0.005 are DNQ, Detect Not Quantifiable. 0.020 ug/ml (sample concentration, 0.020 ppb) is the lowest standard analyzed with the calibration. All samples are Non Detect, ND.

MS/MSD is not performed on the NDMA sample. MS/MSD is not required for Isotope dilution methods and is not required by the project QAPP for this analyte.

1,4-Dioxane is analyzed by EPA method 8270 in the standard operating mode. This is a Gas Chromatographic Mass Spectroscopic methodology. The Minimum Reporting Level is 3.0 ppb. All samples are ND.
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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

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#007618-0003
Group#: 45562
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/29/98. 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
980729130	MW-983-038		Water	07/29/98
		@DIOXANE CUSTOMMS		
980729131	MW-983-005		Water	07/29/98
		@DIOXANE CUSTOMMS		
980729132	MW-983-072		Water	07/29/98
		@DIOXANE CUSTOMMS		

Test Acronym Description

Test Acronym	Description
@DIOXANE	1,4-Dioxane
CUSTOMMS	GC/MS custom analysis

45562

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO.: 1572.0250

PROJECT ADDRESS: 4800 OAK GROVE PASADENA CA

SAMPLER (Name): T BLANEY

SAMPLER (Signature): [illegible]

LABORATORY: MONTGOMERY WATSON

REPORTS TO BE SENT TO: MARK CUTLER

HAZARD IDENTIFICATION: Non Hazard ☑ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☑ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SOIL	OTHER (Describe)	1,4-DIOXANE	NDMA									
MW-983-038	0935	7/29/98	2	2x1L	X			X	X		9807	29	130					
MW-983-005	1200	7/29/98	2	2x1L	X			X	X				131					
MW-983-072	1345	7/29/98	2	2x1L	X			X	X				132					

LABORATORY INSTRUCTIONS/COMMENTS

LEVEL IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[illegible]	7/29/98	[illegible]			
COMPANY: FW	TIME: 1530	COMPANY: [illegible]	COMPANY	TIME	COMPANY

F-2

SHIPPING COPY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: ENSERCH Date Received: 7-29-98

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: 7-29-98
by (print) Mike Chhuang (sign) [signature]

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: ok Samples were in the custody of
   If Yes, enter the following: seal date: [illegible] seal name: until delivered to Login personnel at Mutabs DEB 7/30/98

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

4. Were custody papers sealed in bag & taped to lid? Yes (No) → hand-

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: _____(date)_____

B. LOG-IN PHASE: Date samples were logged-in: 7-29-98 by:
(print) M. DE MESA (sign) [signature]

9. Describe packing:

10. If required, was enough ice used? Sufficient ice was used for same day delivery to Mutabs. Samples [illegible] same day as sampling occurred. no [illegible] Yes (No) could use 1 extra

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

12. Did all bottles arrive unbroken/in good condition? DEB 7/30/98 (Yes) No

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

14. Did all bottle labels agree with custody papers? (Yes) No
    If NO, indicate descrepancies on back.

14 (1) HW-983-005 1 Bottle missing Tag #, 2 Tag # 1039

14 (2) HW-983-072 1 & 2 Bottle missing Tag #'s

(3) Tag's came off in cooler Login personnel did not retain loose tag #'s. DEB 7/31/9

15. Were correct containers useed 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? (Yes) No
    If NO, list by sample id on back.

19. Was Client Services informed of problems? (Yes) No

Internal C.O.C

Log In Rcvd Date	Client	Client Sample ID	Sampling Date	Analysis (Tag #)	Laboratory Sample ID	Removal Code	Received By	Received Date	Received Time	Returned By	Returned Date	Returned Time	Disposal By	Disposal Date
7-29-98	ENSERCH	MW-983-038	7-29-98	DIOXANE Tag # 1013	980729130-01									
"	"	"	"	CUSTOM-MS NDMA Tag # 1014	980729130-02	S PACIFIC ANALYTICAL 7-30-98 11:30	MLD							
7-29-98	ENSERCH	MW-983-005	7-29-98	DIOXAN Tag # NONE	980729131-01									
"	"	"	"	CUSTOM-MS NDMA Tag # 1039 ~~NONE~~	980729131-02	S PACIFIC ANALYTICAL 7-30-98 11:30	MLD							
7-29-98	ENSERCH	MW-983-072	7-29-98	DIOXANE Tag # NONE	980729132-01									
"	"	"	"	CUSTOM-MS NDMA TAG # NONE	980729132-02	S PACIFIC ANALYTICAL 7-30-98 11:30	MLD							

Footnote: P Preparation; Extraction, Digestion, Incubation
A Analyze
D Disposal
R Relocate (state new location)

S = SUBBED

Report Summary of positive results, PR45562

			Result	MDL	UNITS
Analyzed	980729130	MW-983-038			
08/14/98	GC/MS custom analysis		see attchd		NONE
Analyzed	980729131	MW-983-005			
08/14/98	GC/MS custom analysis		see attchd		NONE
Analyzed	980729132	MW-983-072			
08/14/98	GC/MS custom analysis		see attchd		NONE

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 626-568-6400/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#007618-0003
Group#: 45659
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/31/98. 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
980731070	MW-983-049	@DIOXANE CUSTOMMS	Water	07/31/98
980731071	MW-983-041	@DIOXANE CUSTOMMS	Water	07/31/98
980731072	MW-983-065	@DIOXANE CUSTOMMS	Water	07/31/98

Test Acronym Description

Test Acronym	Description
@DIOXANE	1,4-Dioxane
CUSTOMMS	GC/MS custom analysis

45659

NUMBER 2675

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO.: 1372 0250

PROJECT ADDRESS: 4800 OAK GROVE PASADENA CA

SAMPLER (Name): TELANEY

SAMPLER (Signature):

LABORATORY: MONTGOMERY WATSON

REPORTS TO BE SENT TO: MARK CUTLER

HAZARD IDENTIFICATION: Non Hazard ☑ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☑ ___ DAYS RUSH ☐ ___ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SOIL	OTHER (Describe)	[illegible]	NDMA	MS [illegible]	MSD [illegible]	[illegible]	MSD [illegible]				
MW-983-049	0900	7/31/98	2	2 x 1L	X	980731070		X	X								
MW-983-041	1125	7/31/98	2	2 x 1L	X	980731071		X	X								
MW-983-065	1005	7/31/98	2	2 x 1L	X	980731072		X	X								
MW-983-065MS	1005	7/31/98	2	2 x 1L	X					X		X					
MW-983-065MSD	1005	7/31/98	2	2 x 1L	X						X		X				

LABORATORY INSTRUCTIONS/COMMENTS

LEVEL IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[signature]	7/31/98	[signature]			
COMPANY: [illegible]	TIME: 1525	COMPANY: M.W.	COMPANY:	TIME:	COMPANY:

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: ENSERCH Date Received: 7-31-98

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: 7-31-98
by (print) MIKE CHHANG (sign) [signature]

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: 2, on opening of cooler
   If Yes, enter the following: seal date: 7-31-98, seal name: TP

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

4. Were custody papers sealed in bag & taped to lid? Yes **No** → hand c

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: _____(date)_____

B. LOG-IN PHASE: Date samples were logged-in: 7-31-98 by:
(print) MARTIN L. DE MESA (sign) [signature]

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? **Yes** No
    If NO, indicate descrepancies on back.

15. Were correct containers useed 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? **Yes** No
    If NO, list by sample id on back.

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

Report Summary of positive results, PR45659

			Result	MDL	UNITS
Analyzed	980731070	MW-983-049			
08/14/98	GC/MS custom analysis		see attchd		NONE
Analyzed	980731071	MW-983-041			
08/14/98	GC/MS custom analysis		see attchd		NONE
Analyzed	980731072	MW-983-065			
08/14/98	GC/MS custom analysis		see attchd		NONE

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

AUG 19 1993

DEB* Debbie Frank

Report#: 45562
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 #45562

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

Samples Received
29-jul-1998 16:05:30

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-038 (980729130) Sampled on 07/29/98								
	08/14/98		( )	GC/MS custom analysis	see attchd	None	0.0000	1
			1,4-Dioxane					
08/03/98	08/05/98	81982	(ML/SW 8270)	1,4-Dioxane	ND	ug/l	3.0	1
			(Surrogate)	2-Flurobiphenyl	76	% Rec		
			(Surrogate)	Nitrobenzene-d5	80	% Rec		
			(Surrogate)	Terphenyl-d14	53	% Rec		
MW-983-005 (980729131) Sampled on 07/29/98								
	08/14/98		( )	GC/MS custom analysis	see attchd	None	0.0000	1
			1,4-Dioxane					
08/03/98	08/05/98	81982	(ML/SW 8270)	1,4-Dioxane	ND	ug/l	3.0	1
			(Surrogate)	2-Flurobiphenyl	77	% Rec		
			(Surrogate)	Nitrobenzene-d5	61	% Rec		
			(Surrogate)	Terphenyl-d14	43	% Rec		
MW-983-072 (980729132) Sampled on 07/29/98								
	08/14/98		( )	GC/MS custom analysis	see attchd	None	0.0000	1
			1,4-Dioxane					
08/03/98	08/05/98	81982	(ML/SW 8270)	1,4-Dioxane	ND	ug/l	3.0	1
			(Surrogate)	2-Flurobiphenyl	84	% Rec		
			(Surrogate)	Nitrobenzene-d5	85	% Rec		
			(Surrogate)	Terphenyl-d14	63	% Rec		

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)

Report
Comments
#45562

Group Comments

(N-nitrosodimethylamine) was analyzed by Pacific Analytical.
GG 08/18/98.

(980729130)
CUSTOMMS
Analytical results submitted by Pacific Analytical, Inc
for samples 980729030, 980729031 and 980729032.

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
#45562

Foster Wheeler Environmental, Inc

QC Batch #81982 1,4-Dioxane

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,4-Dioxane	10	9.21	92.1	(70.00 - 130.00)	
MBLK	1,4-Dioxane	ND				
MS	1,4-Dioxane	10	9.96	99.6	(70.00 - 130.00)	
MSD	1,4-Dioxane	10	9.95	99.5	(70.00 - 130.00)	0.10
MS	Spiked sample	Lab # 98	0731072		(0.00 - 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.

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

AUG 1 9 1999

DEB* Debbie Frank

Report#: 45659
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 #45659

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

Samples Received
31-jul-1998 15:42:07

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-049 (980731070) Sampled on 07/31/98								
	08/14/98		( )	GC/MS custom analysis	see attchd	None	0.0000	1
			1,4-Dioxane					
08/03/98	08/05/98	81982	(ML/SW 8270)	1,4-Dioxane	ND	ug/l	3.0	1
			(Surrogate)	2-Flurobiphenyl	83	% Rec		
			(Surrogate)	Nitrobenzene-d5	80	% Rec		
			(Surrogate)	Terphenyl-d14	55	% Rec		
MW-983-041 (980731071) Sampled on 07/31/98								
	08/14/98		( )	GC/MS custom analysis	see attchd	None	0.0000	1
			1,4-Dioxane					
08/03/98	08/05/98	81982	(ML/SW 8270)	1,4-Dioxane	ND	ug/l	3.0	1
			(Surrogate)	2-Flurobiphenyl	85	% Rec		
			(Surrogate)	Nitrobenzene-d5	83	% Rec		
			(Surrogate)	Terphenyl-d14	51	% Rec		
MW-983-065 (980731072) Sampled on 07/31/98								
	08/14/98		( )	GC/MS custom analysis	see attchd	None	0.0000	1
			1,4-Dioxane					
08/03/98	08/05/98	81982	(ML/SW 8270)	1,4-Dioxane	ND	ug/l	3.0	1
			(Surrogate)	2-Flurobiphenyl	90	% Rec		
			(Surrogate)	Nitrobenzene-d5	83	% Rec		
			(Surrogate)	Terphenyl-d14	61	% Rec		

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)

Report
Comments
#45659

Group Comments

(N-nitrosodimethylamine) was analyzed by Pacific Analytical.
GG 08/18/98.

(980731070)
CUSTOMMS
Analytical results submitted by Pacific Analytical, Inc
for samples 980731070, 980731071 and 980731072.

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
#45659

Foster Wheeler Environmental, Inc

QC Batch #81982 1,4-Dioxane

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,4-Dioxane	10	9.21	92.1	(70.00 - 130.00)	
MBLK	1,4-Dioxane	ND				
MS	1,4-Dioxane	10	9.96	99.6	(70.00 - 130.00)	
MSD	1,4-Dioxane	10	9.95	99.5	(70.00 - 130.00)	0.10
MS	Spiked sample	Lab # 98	0731072		(0.00 - 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.

98-1096
ENSERCH
45562

AUG 14 RECD

PACIFIC
ANALYTICAL, INC.

6349 Paseo Del Lago • Carlsbad, CA 92009
(760) 438-3100 • FAX (760) 931-9479

NARRATIVE REPORT
Method 1625C Semivolatiles

PA Reference: M82, M85. 08/13/98

Samples: 980729130, 980729131, 980729132,
980731070, 980731071, 980731072.

Semivolatiles analysis:

The samples were extracted and analyzed by Method 1625C, modified for the lowest possible detection limits. A 1000 mL aliquot was spiked with 1.0 ug of deuterated N-Nitrosodimethylamine-d6 and extracted with liquid-liquid extractors for 24 hours. The sample extract was concentrated to a final volume of 1.0 mL and then spiked with 1.0 ug of 2,2'-Difluorobiphenyl as an internal recovery standard. The extract was analyzed by GC/MS with the mass spectrometer operating in the "Specific Ion Mode" for greater sensitivity and lower detection limits. The instrument was calibrated with five initial calibration standards ranging from 0.02 ug/mL to 1.00 ug/mL. A recent minimum detection limit study suggests that the instrument is capable of detecting N-Nitrosodimethylamine (NNDMA) at 0.005 ug/mL. However for reporting purposes, our detection limit is 0.03 ug/mL which translates to a sample concentration of 0.03 ug/L.

On-Going Precision and Recovery

A laboratory blank (P&R) was spiked with 0.10 ug of NNDMA and its labeled analog, and extracted and analyzed like a sample for each analytical batch. Recoveries for NNDMA and its label were within method specified recovery limits.

Blanks

A laboratory blank was extracted and analyzed like the sample with each extraction batch. NNDMA was not detected at or above our report limit of 0.03 ug/L.

Sample

The samples 980729130, 980729131, 980731070, 980731071, and 980731072 are clean with no NNDMA detected at a concentration greater than or equal to our MDL of 0.005 ug/L. Sample 980729132 has a small peak which is within one second of the predicted retention time for NNDMA. I have included an extra hard copy of the targeting software's integration on this potential "hit". The area corresponds to a sample concentration of 0.007 ug/L which rounds off to 0.01 on the Quantitation Results page. At closer inspection this peak appears to be roughly the same scale as the random background noise, and it is my opinion that it is just noise. On the results summary page I have reported this as a non-detect (< 0.03 ug/L). If this peak looked a little bigger with respect to the base line noise, I would have reported it as 0.01 ug/L with a "J" flag for an estimate concentration.

The data package consists of a summary page followed by a chromatogram and a close up of the extracted ion current profile of NNDMA and its label. This is followed by the raw data printout with areas and scan numbers, and finally a "Quantitation Results" page which lists extract concentrations in ug/mL.

Please contact Mark Gregg or Steve Parsons at (706) 438-3100 if there are any questions concerning this data package.

Mark Gregg
GC/MS Chemist

SAMPLE IDENTIFICATION CROSS REFERENCE TABLE
MONTGOMERY WATSON LAB

JOBS M82 AND M85

MWL Lab #	TAG #	GROUP #	Client Sample ID	PA's Lab ID	Raw Data File Name
980729130	01014	45562	MW-983-038	M8202	6H05A17
980729131	01039	45562	MW-983-005	M8201	6H05A16
980729132	none	45562	MW-983-072	M8203	6H05A18
980731070	01085	45659	MW-983-049	M8502	6H05A20
980731071	01098	45659	MW-983-041	M8501	6H05A19
980731072	01106	45659	MW-983-065	M8503	6H05A21

MONTGOMERY WATSON LABORATORIES
555 E. Walnut Street Pasadena, CA 91101
(626) 568-6400 Fax: (626) 568-6324

7/30/98

PO# Sub 98- 1096

MWL GROUP # 45562
Please reference this number on report and invoice

Steve Parsons fax (760) 931-9479
SUB LAB CONTACT

Ship To: **Pacific Analytical, Inc**
6349 Paseo Del Lago
Carlsbad, CA 92009
(760) 438-3100

For prompt payment, please send report and invoice to
attn: Martha Frost, Subcontract Administrator ext 6437

Please Use MWL Lab Number	Client Sample ID for reference only	Sample Date	Report Needed on	Analysis Requested	Matrix	# of	Containers
980729130	MW-983-038	7/29/98	8/21/98	NDMA	AQ	2	2 TAGS #: 01013, 01014
980729131	MW-983-005	7/29/98	8/21/98	NDMA	AQ	2	1 TAG, #: 01039
980729132	MW-983-072	7/29/98	8/21/98	NDMA	AQ	2	NO TAGS

SPECIAL REQUIREMENTS: Level IV QC requested. See 2 attachments for details on QC Data requested

If you have any questions regarding these samples, please call the MWL project manager, Debbie Frank at (626) 568-6449.

Quantitation report for each sample

Standards Data: (All instruments)

Initial Calibration Data: Reconstructed Total Ion Chromatograms and Quantitation report

Continuing Calibration: Resconstructed Total Ion Chromatograms and Quantitation report

QC Data: Laboratory Blanks: Reconstructed Total Ion Chromatograms and Quantitation report

Ongoing Precision and Recovery samples (Spiked laboratory blanks): Reconstructed Total Ion Chromatograms and Quantitation report

COC Chain of custody documentation, sample receipt logs, sample prep logs and instrument run logs.

RELINQUISHED Martin DeMesa, sample control DATE: 7/30/98

RECEIVED BY: [signature] DATE: 7/31/98 An Acknowledgement is requested.

000063

MONTGOMERY WATSON LABORATORIES
555 E. Walnut Street Pasadena, CA 91101
(626) 568-6400 Fax: (626) 568-6324

PO# Sub 98-

MWL GROUP # 45659
Please reference this number on report and invoice

Steve Parsons fax (760) 931-9479
SUB LAB CONTACT

Ship To: Pacific Analytical, Inc
6349 Paseo Del Lago
Carlsbad, CA 92009
(760) 438-3100

For prompt payment, please send report and invoice to
attn: Martha Frost, Subcontract Administrator ext 6437

Please Use MWL Lab Number	Client Sample ID for reference only	Sample Date	Report Needed on	Analysis Requested	Matrix	# of	Containers
980731070	MW-983-049	7-31-98		NDMA	AQ	1	Liter ~~01078~~ 01085
980731071	MW-983-041	7-31-98		NDMA	AQ	1	Liter 01078
980731072	MW-983-065	7-31-98		NDMA	AQ	1	Liter 01106

SPECIAL REQUIREMENTS: Level IV QC requested. See 2 attachments for details on QC Data requested
If you have any questions regarding these samples, please call the MWL project manager, Debbie Frank at (626) 568-6449.

Quantitation report for each sample
Standards Data: (All instruments)
Initial Calibration Data: Reconstructed Total Ion Chromatograms and Quantitation report
Continuing Calibration: Resconstructed Total Ion Chromatograms and Quantitation report
QC Data: Laboratory Blanks: Reconstructed Total Ion Chromatograms and Quantitation report
Ongoing Precision and Recovery samples (Spiked laboratory blanks): Reconstructed Total Ion Chromatograms and Quantitation report
COC Chain of custody documentation, sample receipt logs, sample prep logs and instrument run logs.

RELINQUISHED Martin DeMesa, sample control DATE:

RECEIVED BY: AU Heatan DATE: 8-1-98 An Acknowledgement is requested.

000004

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

980729131

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: M8201
Lab File ID: 6H05A16
Date Sampled: 07/29/98
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1712

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.03	U	68 %

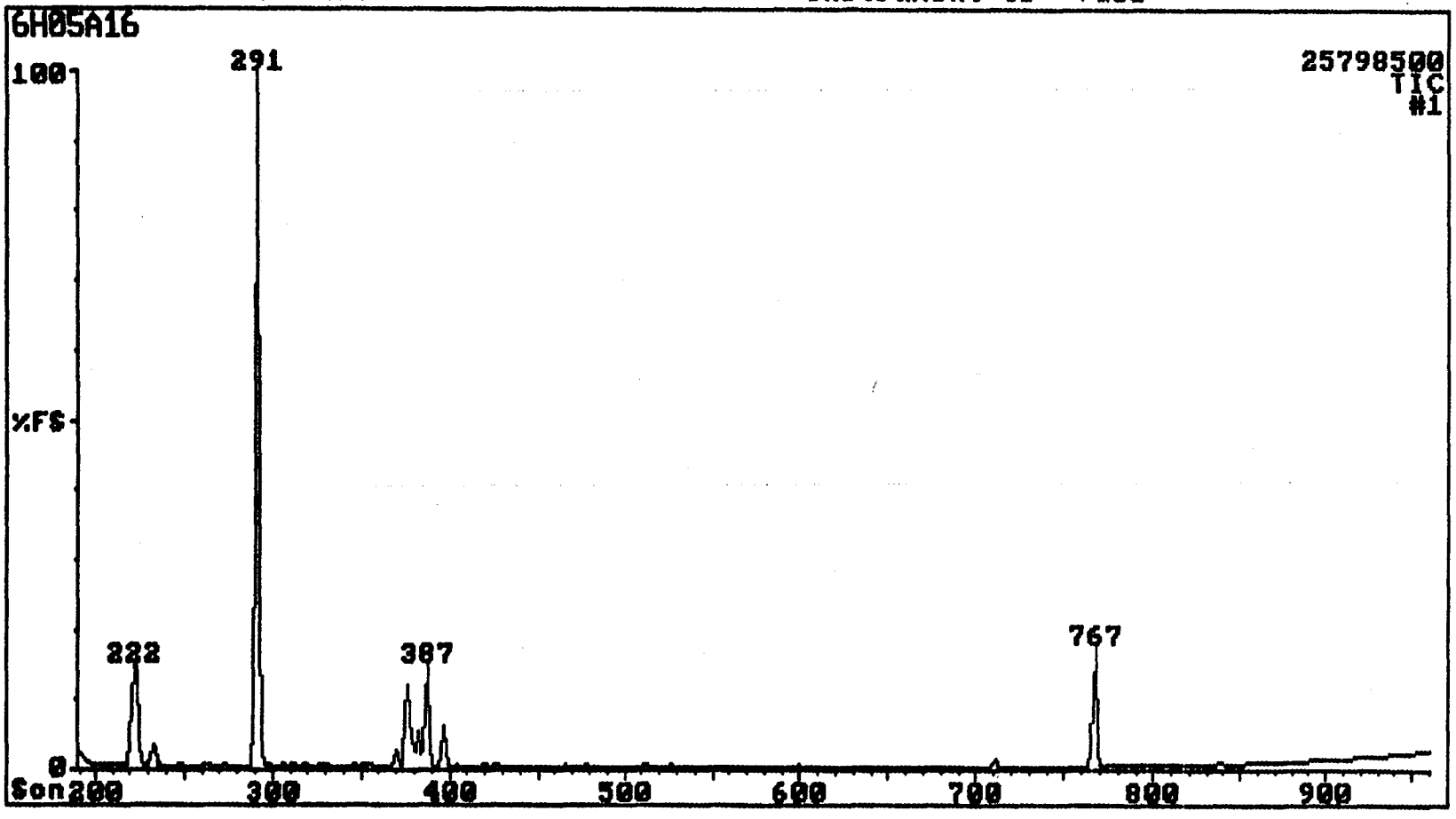
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

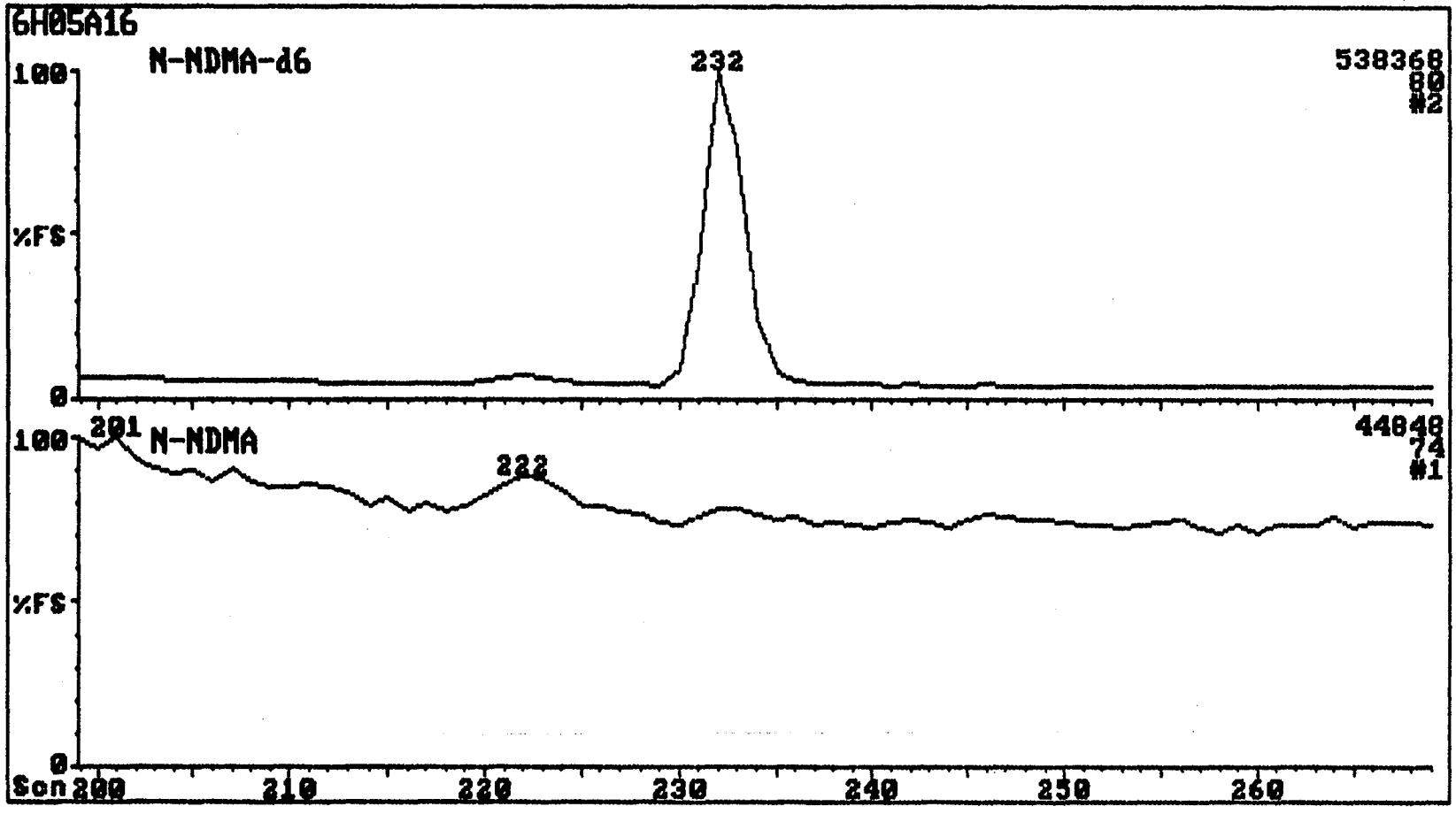
PQL = 0.03 ug/L

Sample No.: 980729131
Lab File ID: 6H05A16

Analyzed: 08/05/98 1712
Instrument ID: VG06



Sample No.: 980729131 Analyzed: 08/05/98 1712
Lab File ID: 6H05A16 Instrument ID: VG06



Sample: 980729131 M8201 Analyzed: 08/05/98 1712
Lab File: 6H05A16 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0722

Raw Datafile : 6H05A16 Quan DB : 6H05A16
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	10126534	?v	767	767	190	2,2'-Difluorobiphenyl
2	100	86	100	0	1262004	b?	232	232	80	N-Nitrosodimethylamine-d6
3	88	65	94	3	752	!!	238	235	74	N-Nitrosodimethylamine
	69	66	94	7	2264	!!	242			
	58	67	94	11	4936	!!	246			

Quantitation Results

EPA Name: 980729131 Lab ID: M8201 Lab File: 6H05A16

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1712

Compound	Target Conc.	Sample Conc.	Label Rec.	Limits
N-Nitrosodimethylamine	0.00	0.00	67.9	25 - 175

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

980729130

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: M8202
Lab File ID: 6H05A17
Date Sampled: 07/29/98
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1739

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.03	U	67 %

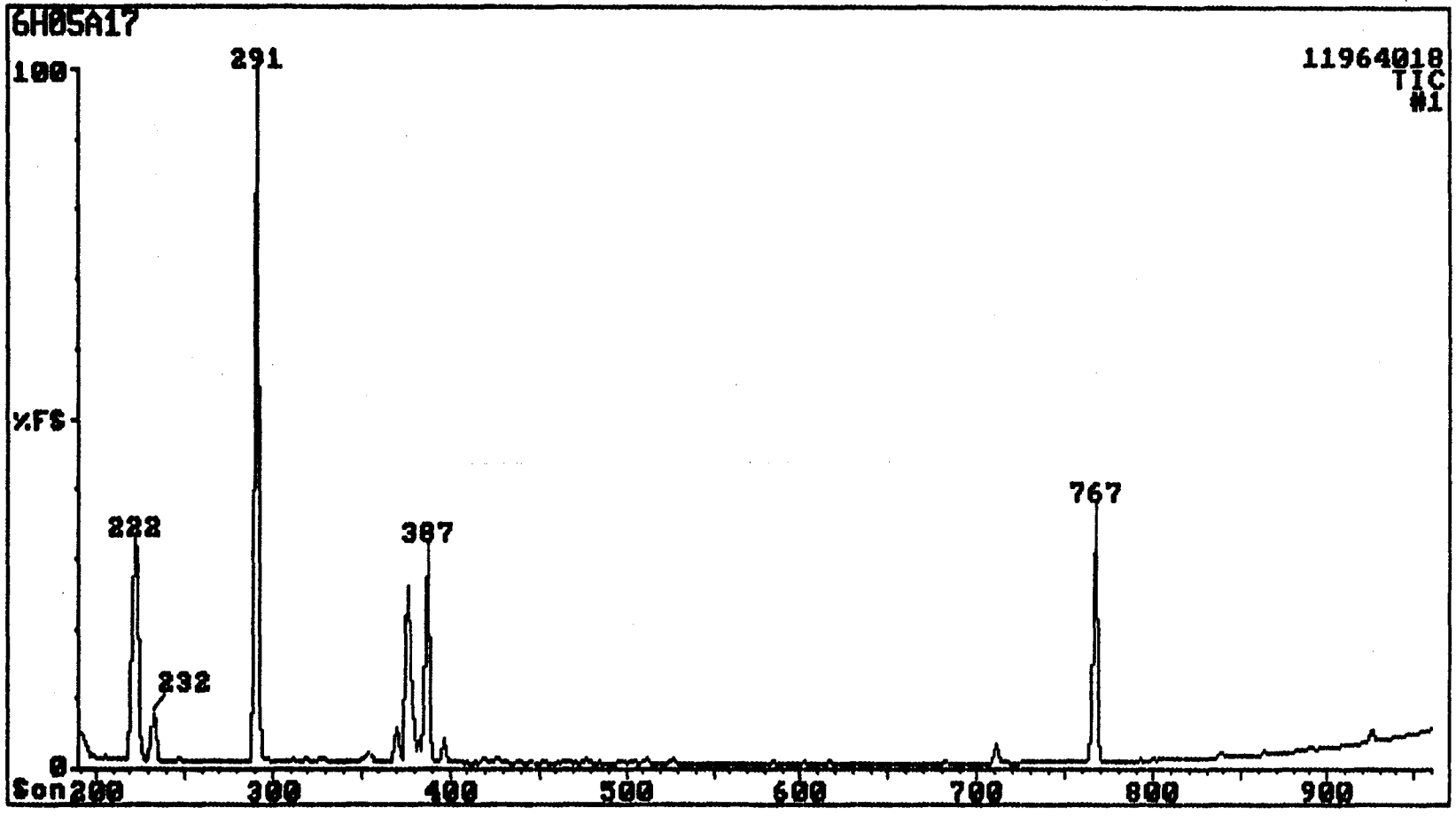
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

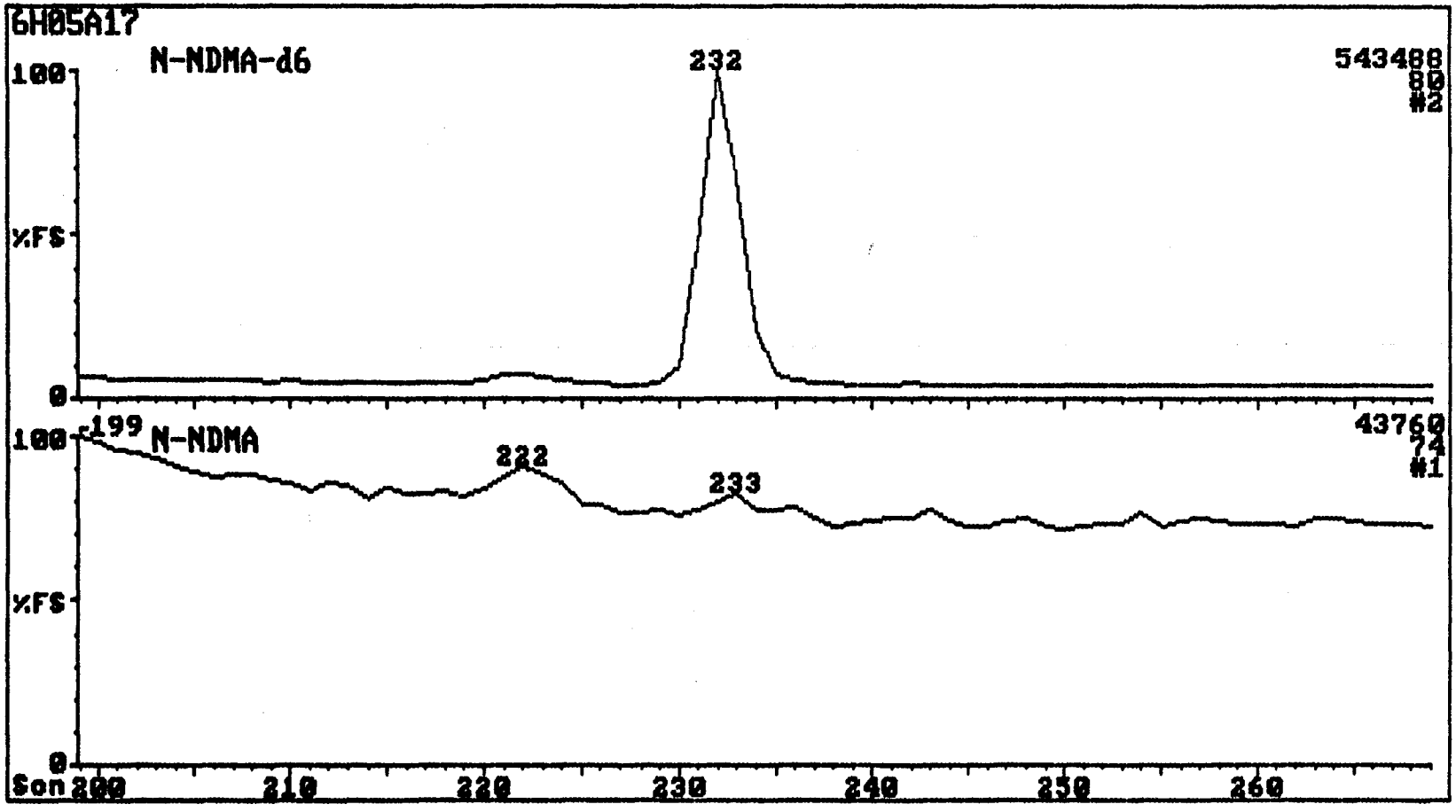
PQL = 0.03 ug/L

Sample No.: 980729130
Lab File ID: 6H05A17

Analyzed: 08/05/98 1739
Instrument ID: VG06



Sample No.: 980729130 Analyzed: 08/05/98 1739
Lab File ID: 6H05A17 Instrument ID: VG06



Sample: 980729130 M8202 Analyzed: 08/05/98 173[illegible]
Lab File: 6H05A17 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0723

Raw Datafile : 6H05A17 Quan DB : 6H05A17
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	10014437	bv	767	767	190	2,2'-Difluorobiphenyl
2	100	86	99	0	1228764	b?	232	232	80	N-Nitrosodimethylamine-d6
3	95	63	95	1	1464	!!	236	235	74	N-Nitrosodimethylamine
	74	66	89	-6	816	!!	229			
	69	65	94	8	3269	!!	243			

Quantitation Results

EPA Name: 980729130 Lab ID: M8202 Lab File: 6H05A17

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1739

Compound	Target Conc.	Sample Conc.	Label Rec.	Limits
N-Nitrosodimethylamine	0.00	0.00	66.9	25 - 175

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

980729132

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: M8203
Lab File ID: 6H05A18
Date Sampled: 07/29/98
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1806

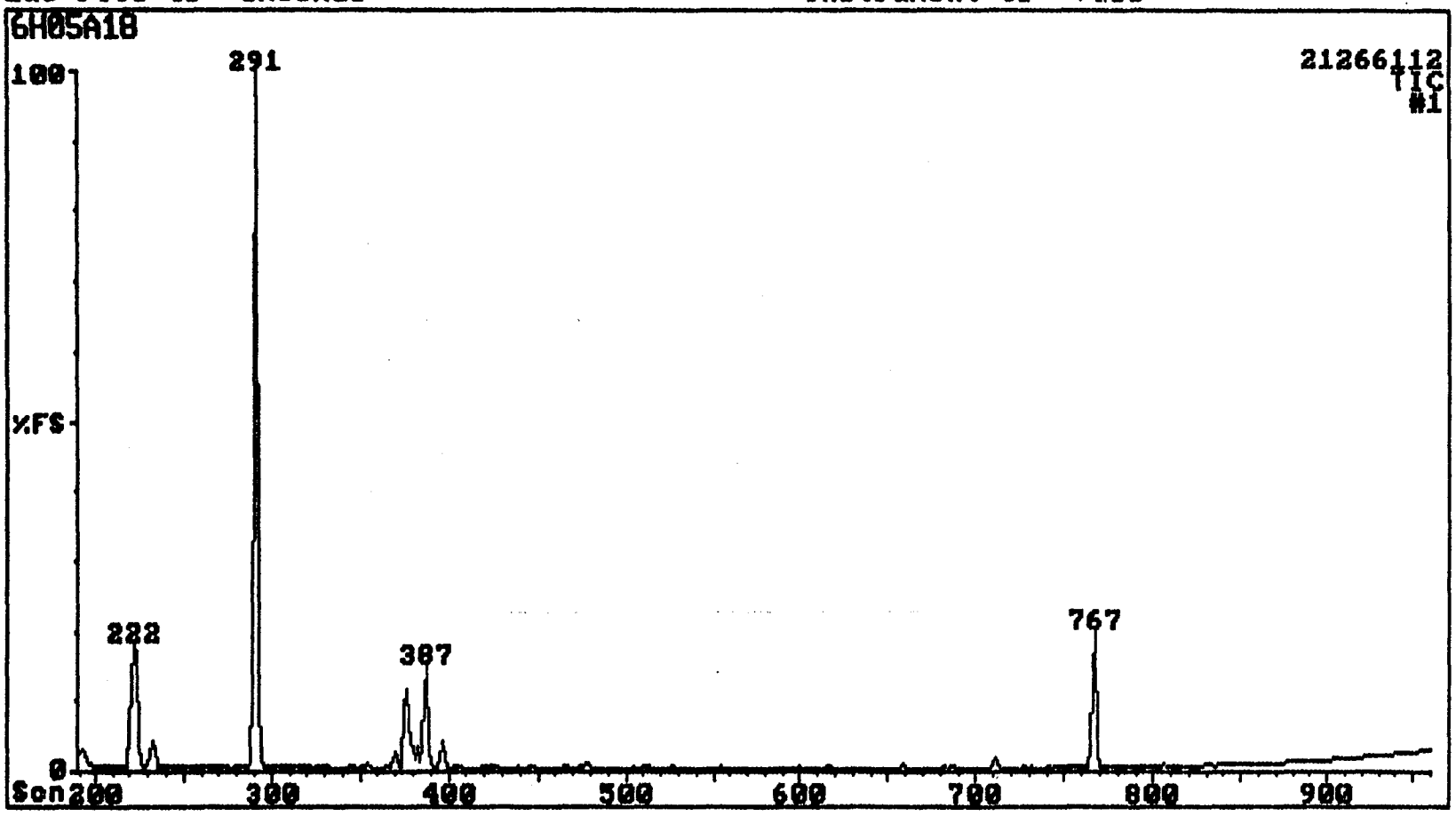
Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.03	U	64 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

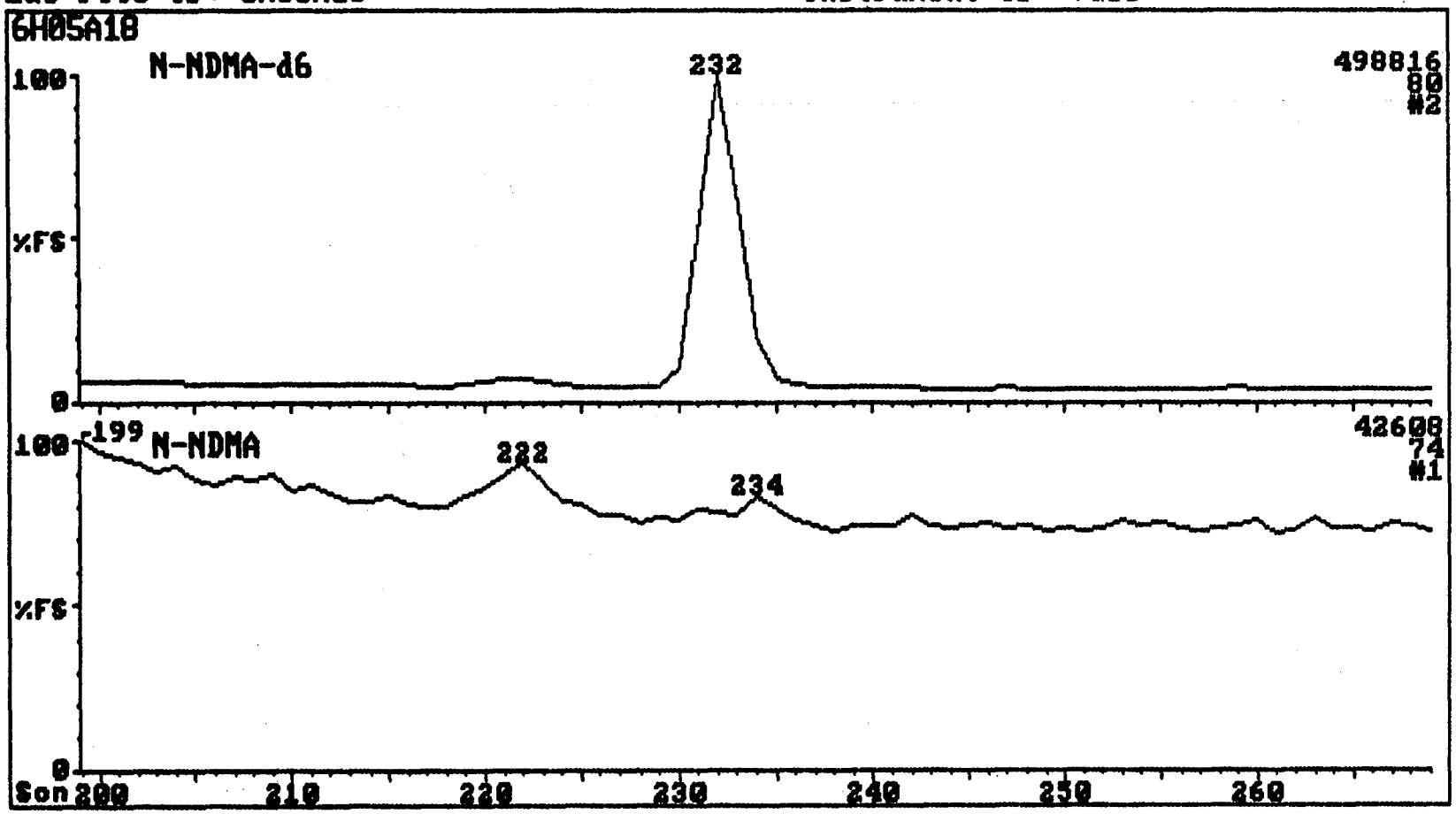
MDL = 0.005 ug/L

PQL = 0.03 ug/L

Sample No.: 980729132 Analyzed: 08/05/98 1806
Lab File ID: 6H05A18 Instrument ID: VG06

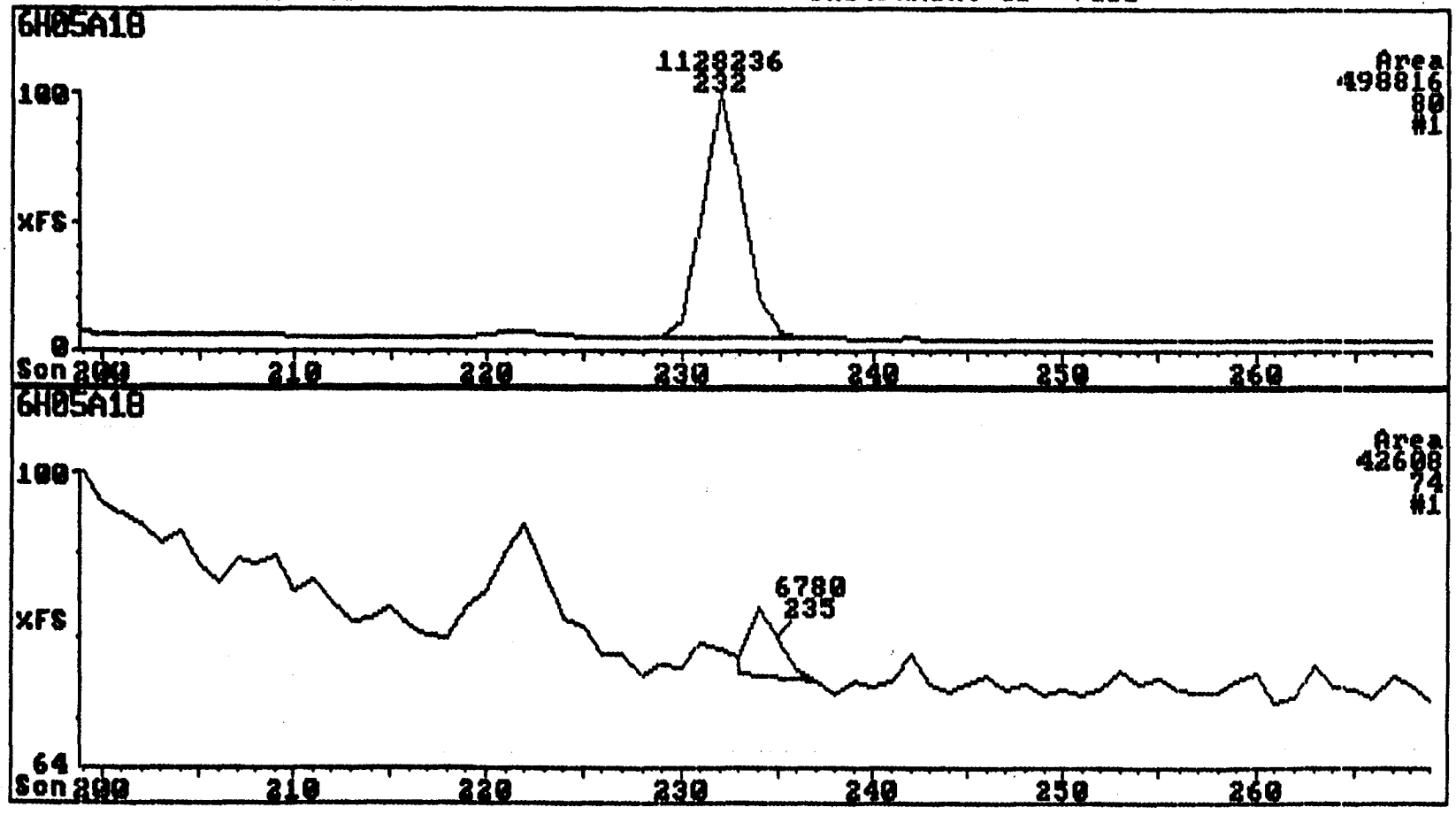


Sample No.: 980729132 Analyzed: 08/05/98 1806
Lab File ID: 6H05A18 Instrument ID: VG06



Sample No.: 980729132 Analyzed: 08/05/98 1806

Lab File ID: 6H05A18 Instrument ID: VG06



000018

Sample: 980729132 M8203 Analyzed: 08/05/98 1806
Lab File: 6H05A18 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0724

Raw Datafile : 6H05A18 Quan DB : 6H05A18
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff		Peak Area	Flgs		Scan Found	Pred	QM	Compound Name
1	100	93	100	0		9555298	bv		767	767	190	2,2'-Difluorobiphenyl
2	100	86	99	0		1128236	??		232	232	80	N-Nitrosodimethylamine-d6
3	95	64	94	0	✓	6780	!!	✓	235	235	74	N-Nitrosodimethylamine
	73	66	95	7		3408	!!		242			

Quantitation Results

EPA Name: 980729132 Lab ID: M8203 Lab File: 6H05A18

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1806

Compound	Target Conc.	Sample Conc.	Label Rec.	Limits
N-Nitrosodimethylamine	0.01	0.01	64.4	25 - 175

(0.007 µg/mL but looks like noise)

MH.
8/11/98

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

980731071

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: M8501
Lab File ID: 6H05A19
Date Sampled: 07/31/98
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1833

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.03	U	79 %

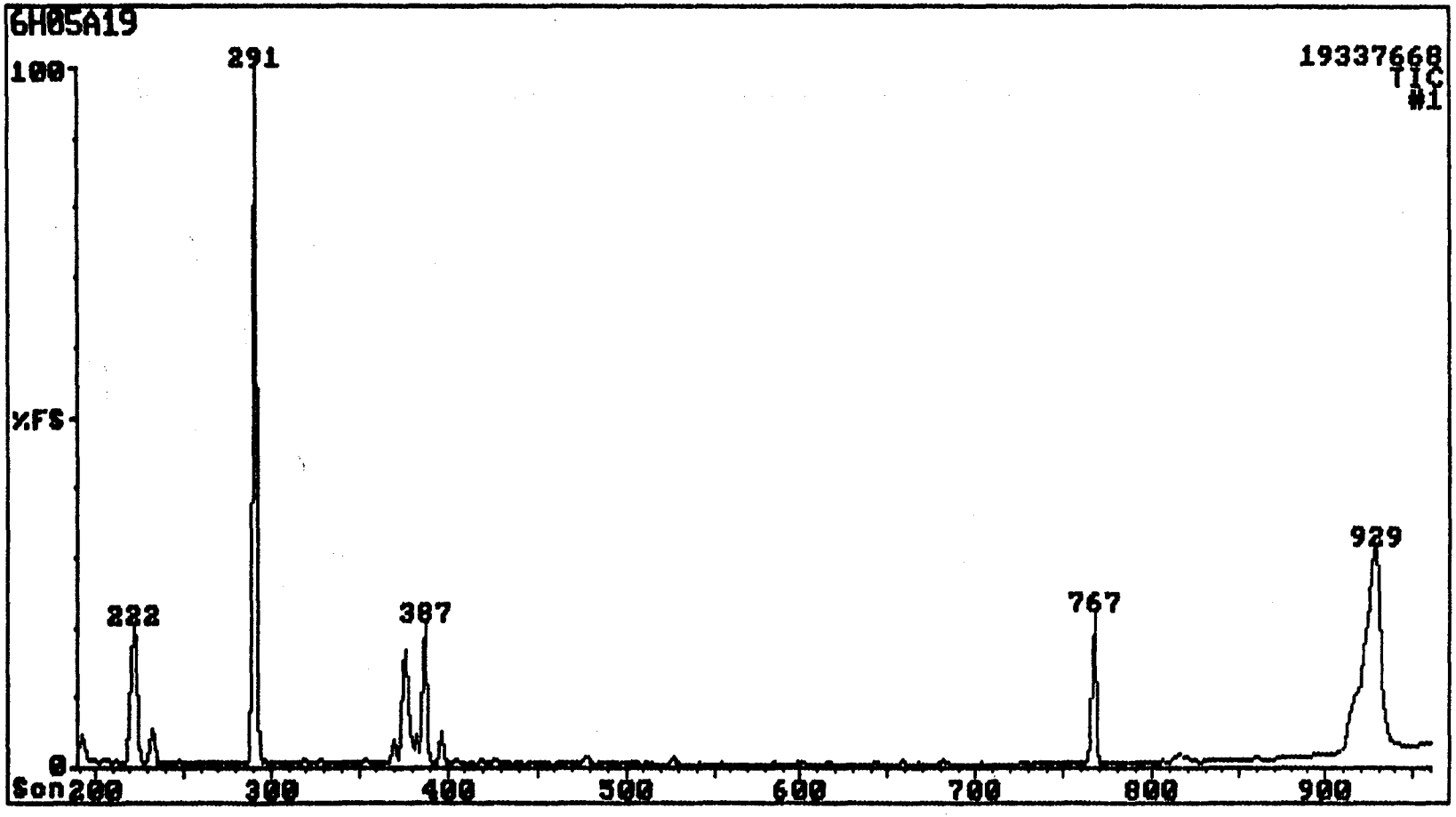
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

PQL = 0.03 ug/L

Sample No.: 980731071
Lab File ID: 6H05A19

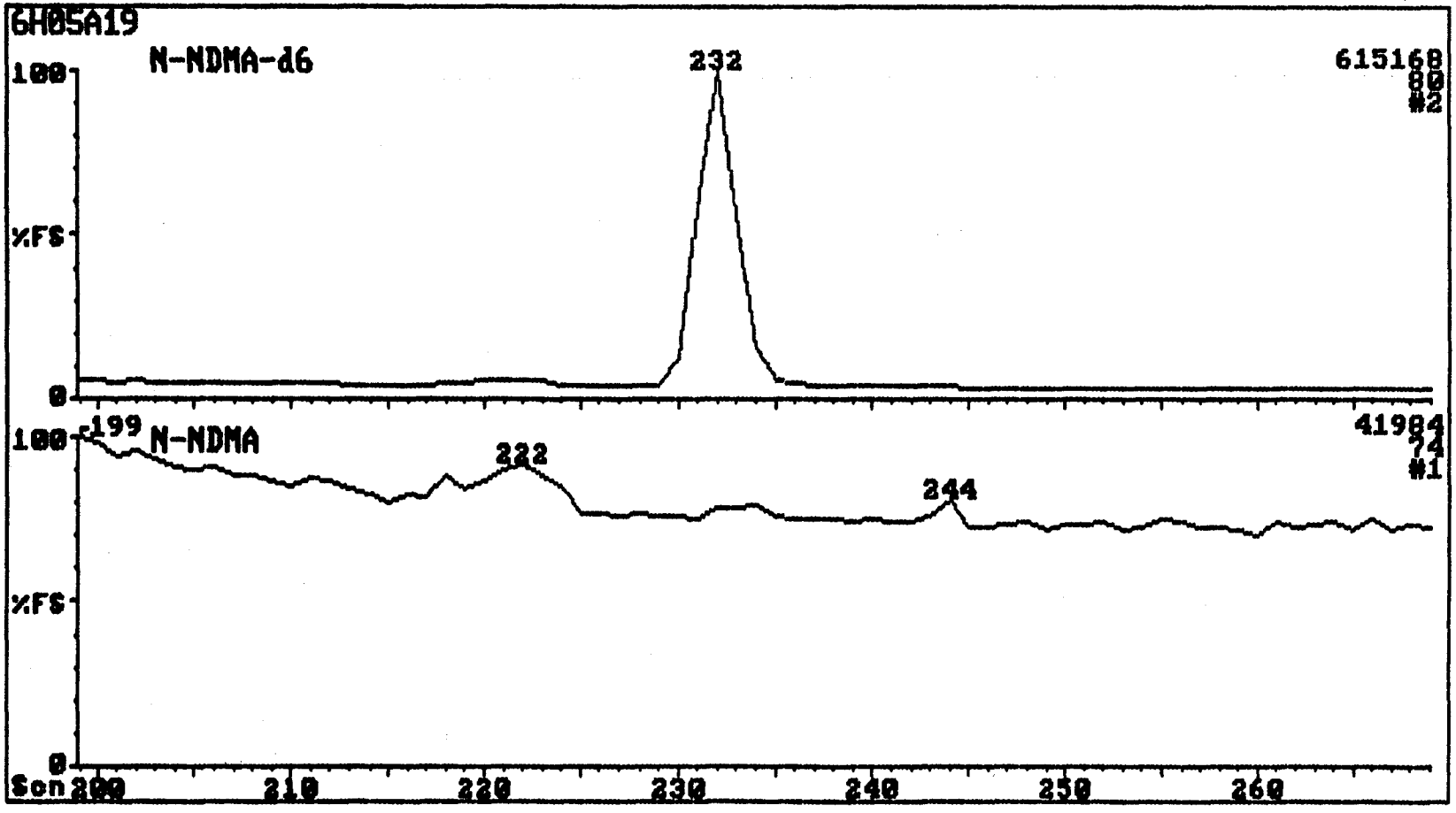
Analyzed: 08/05/98 1833
Instrument ID: VG06



000022

Sample No.: 980731071
Lab File ID: 6H05A19

Analyzed: 08/05/98 1833
Instrument ID: VG06



Sample: 980731071 M8501 Analyzed: 08/05/98 1833
Lab File: 6H05A19 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0725

Raw Datafile : 6H05A19 Quan DB : 6H05A19
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	9593626	bv	767	767	190	2,2'-Difluorobiphenyl
2	100	88	99	0	1385440	bb	232	232	80	N-Nitrosodimethylamine-d6
3	91	65	93	3	90	!!	238	235	74	N-Nitrosodimethylamine
	65	65	95	9	4330	!!	244			

Quantitation Results

EPA Name: 980731071 Lab ID: M8501 Lab File: 6H05A19

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1833

Compound	Target Conc.	Sample Conc.	Label Rec.	Limits
N-Nitrosodimethylamine	0.00	0.00	78.7	25 - 175

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

980731070

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: M8502
Lab File ID: 6H05A20
Date Sampled: 07/31/98
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1859

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.03	U	63 %

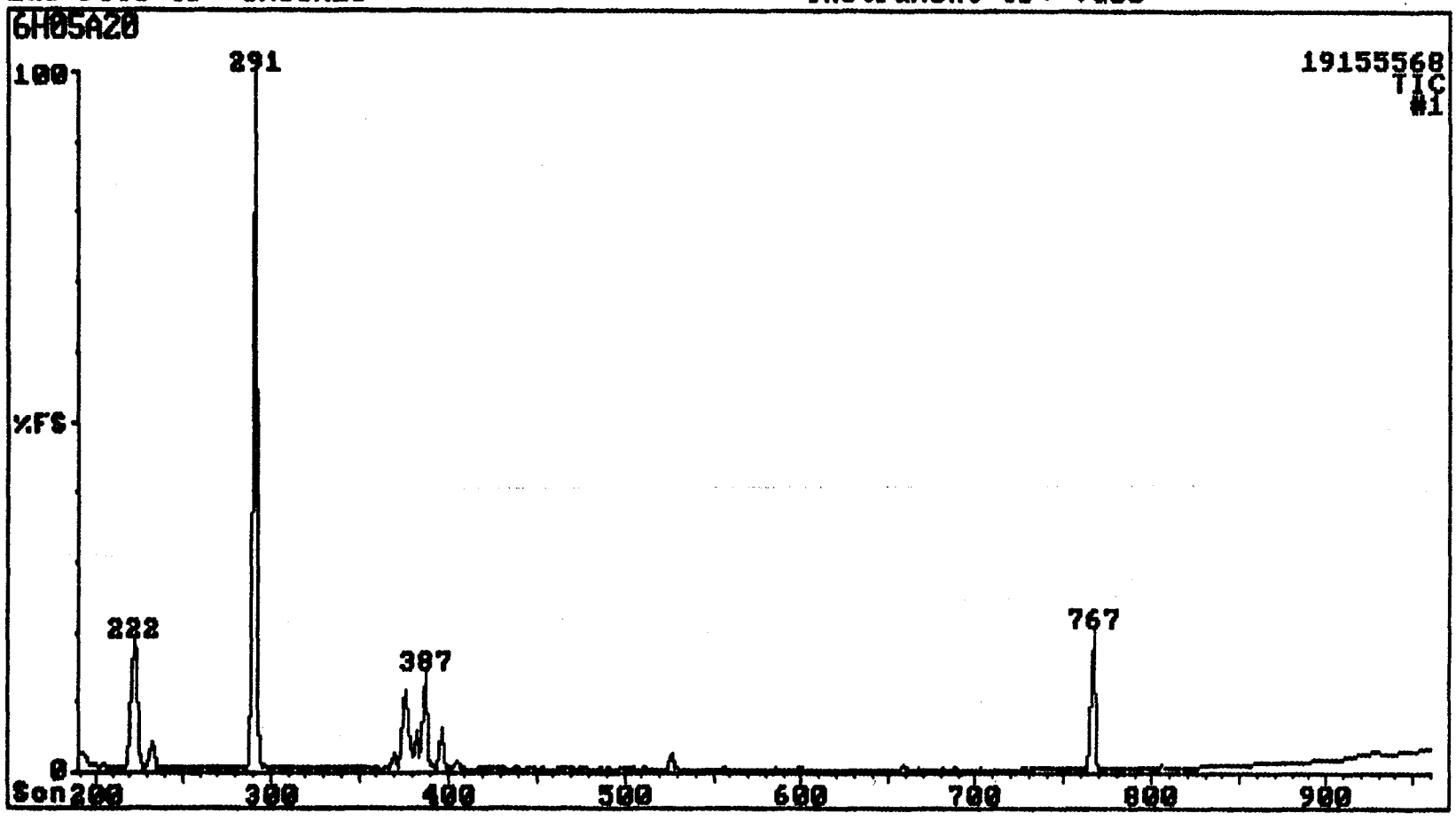
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

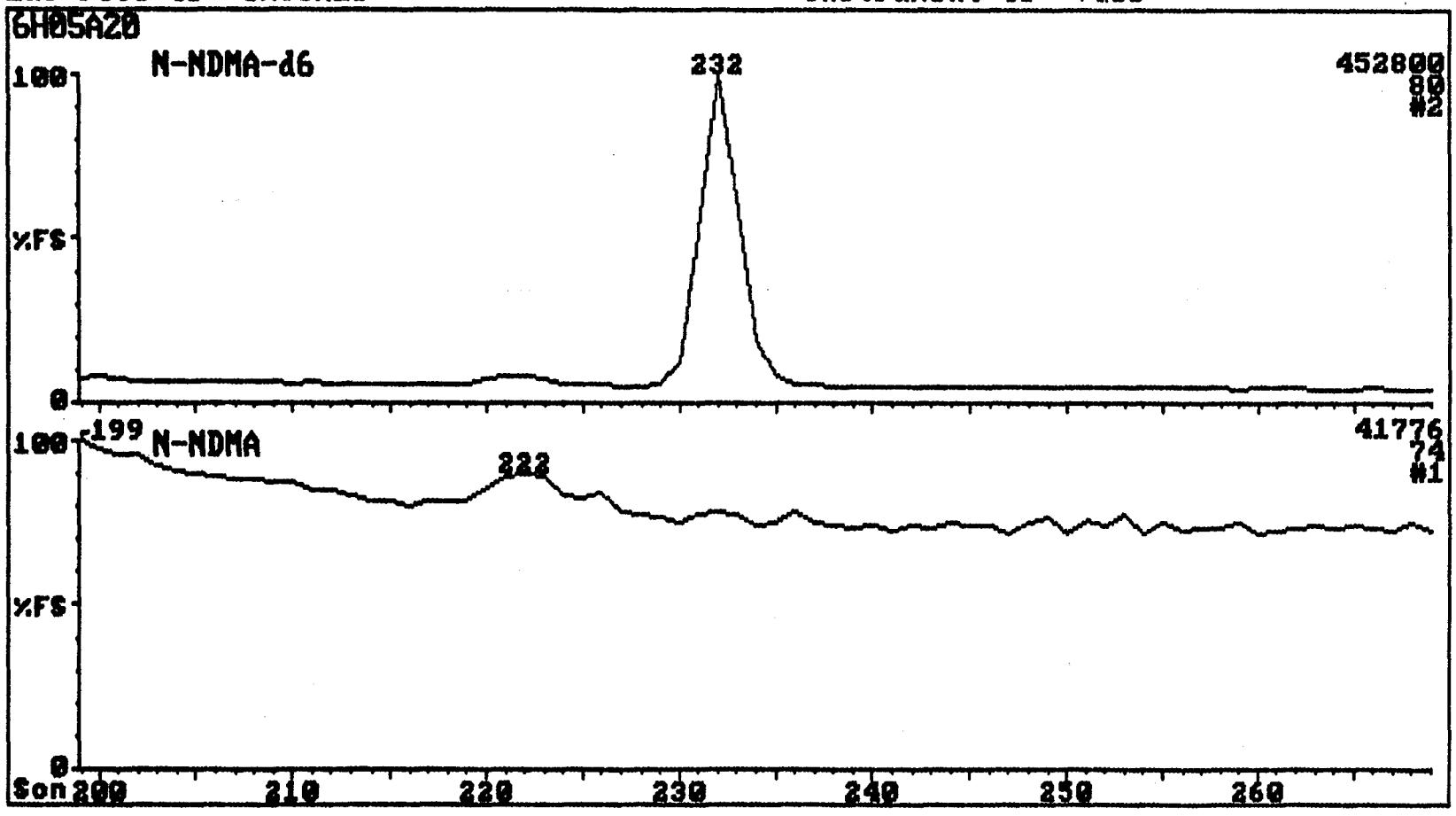
PQL = 0.03 ug/L

Sample No.: 980731070
Lab File ID: 6H05A20

Analyzed: 08/05/98 1859
Instrument ID: VG06



Sample No.: 980731070 Analyzed: 08/05/98 1859
Lab File ID: 6H05A20 Instrument ID: VG06



000028

Sample: 980731070 M8502 Analyzed: 08/05/98 185'
Lab File: 6H05A20 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0726

Raw Datafile : 6H05A20 Quan DB : 6H05A20
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	8864526	?v	767	767	190	2,2'-Difluorobiphenyl
2	100	85	99	0	1018074	v?	232	232	80	N-Nitrosodimethylamine-d6
3	96	64	95	1	3300	!!	236	235	74	N-Nitrosodimethylamine
	71	66	90	-8	332	!!	227			
	66	66	95	8	422	!!	243			

Quantitation Results

EPA Name: 980731070 Lab ID: M8502 Lab File: 6H05A20

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1859

Compound	Target Conc.	Sample Conc.	Label Rec.	Limits
N-Nitrosodimethylamine	0.00	0.00	62.6	25 - 175

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

980731072

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: M8503
Lab File ID: 6H05A21
Date Sampled: 07/31/98
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1926

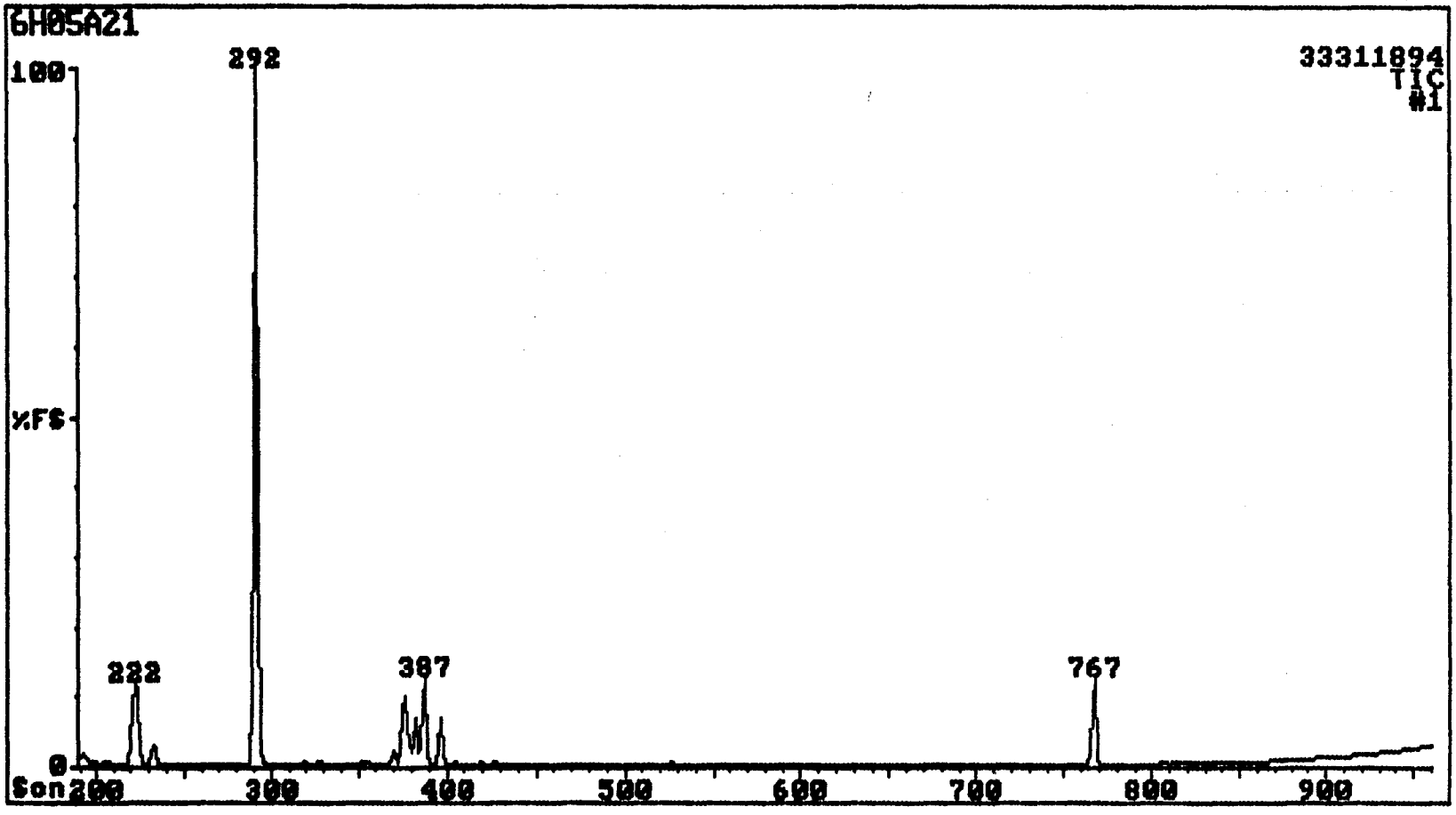
Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.03	U	81 %

U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

PQL = 0.03 ug/L

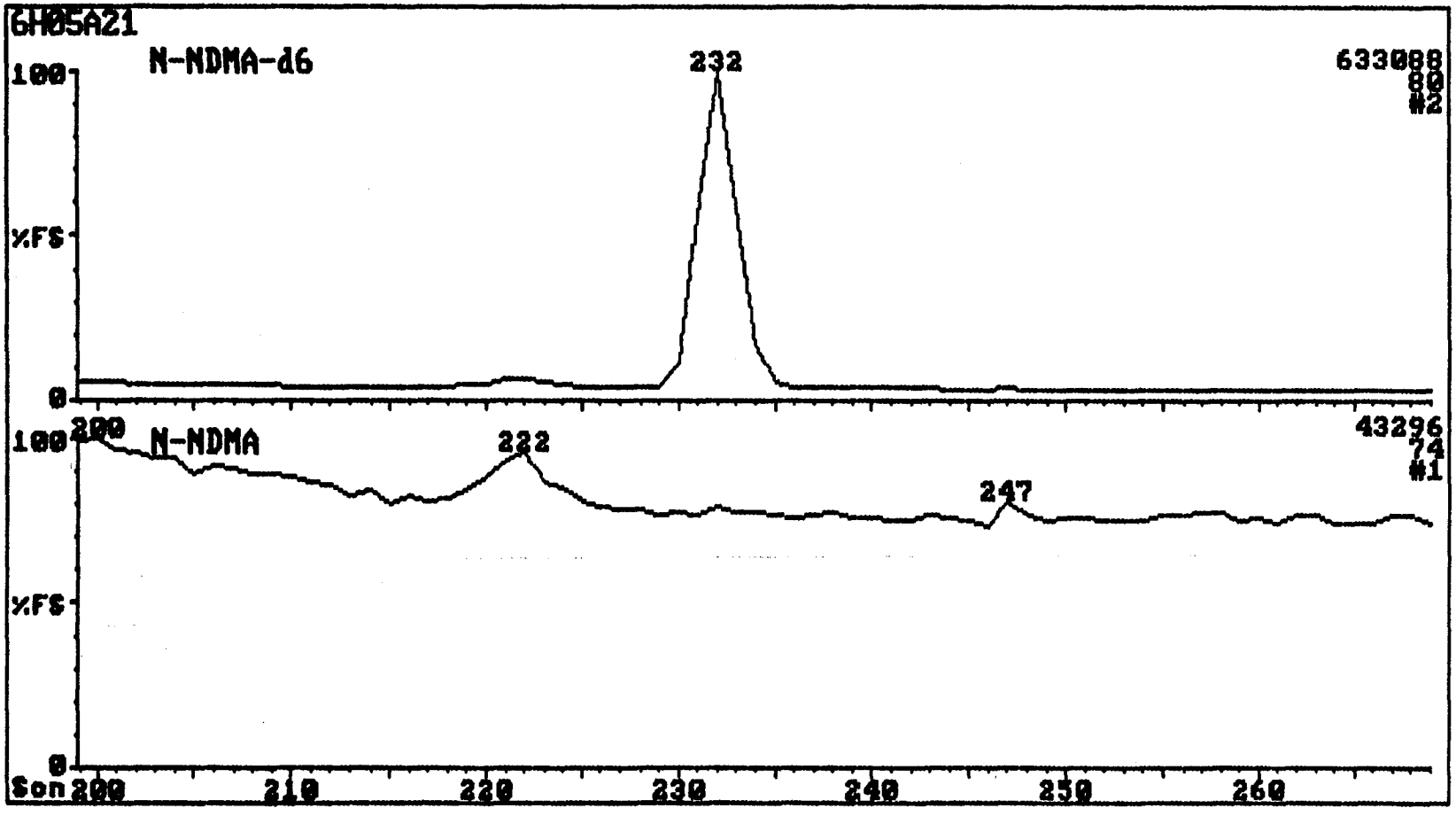
Sample No.: 980731072 Analyzed: 08/05/98 1926
Lab File ID: 6H05A21 Instrument ID: VG06



000032

Sample No.: 980731072
Lab File ID: 6H05A21

Analyzed: 08/05/98 1926
Instrument ID: VG06



000033

Sample: 980731072 M8503 Analyzed: 08/05/98 1926
Lab File: 6H05A21 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0727

Raw Datafile : 6H05A21 Quan DB : 6H05A21
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	9597229	?v	767	767	190	2,2'-Difluorobiphenyl
2	100	88	99	0	1433588	b?	232	232	80	N-Nitrosodimethylamine-d6
3	88	66	94	3	1208	!!	238	235	74	N-Nitrosodimethylamine
	69	66	94	8	1988	!!	243			

Quantitation Results

EPA Name: 980731072 Lab ID: M8503 Lab File: 6H05A21

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1926

Compound	Target Conc.	Sample Conc.	Label Rec.	Limits
N-Nitrosodimethylamine	0.00	0.00	81.4	25 - 175

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
LABELED COMPOUNDS

Lab Name: PACIFIC ANALYTICAL Instr. ID: VG06

Calibration Date: 08/05/98

LAB FILE IDs:
RF 0.02 = 6H05A06
RF 0.05 = 6H05A07
RF 0.10 = 6H05A08
RF 0.50 = 6H05A09
RF 1.00 = 6H05A10

COMPOUND	RF 0.02	RF 0.05	RF 0.10	RF 0.50	RF 1.00	RF MEAN	% RSD
2 N-Nitrosodimethylamine-	0.172	0.181	0.183	0.188	0.194	0.183	4.5

Internal Standard = 1 ug/mL
Pollutant Compounds = 0.02, 0.05, 0.10, 0.50, 1.00 ug/mL

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA
COMPOUNDS HAVING A LABELED REFERENCE

Lab Name: PACIFIC ANALYTICAL Instr. ID: VG06

Calibration Date: 08/05/98

LAB FILE IDs:

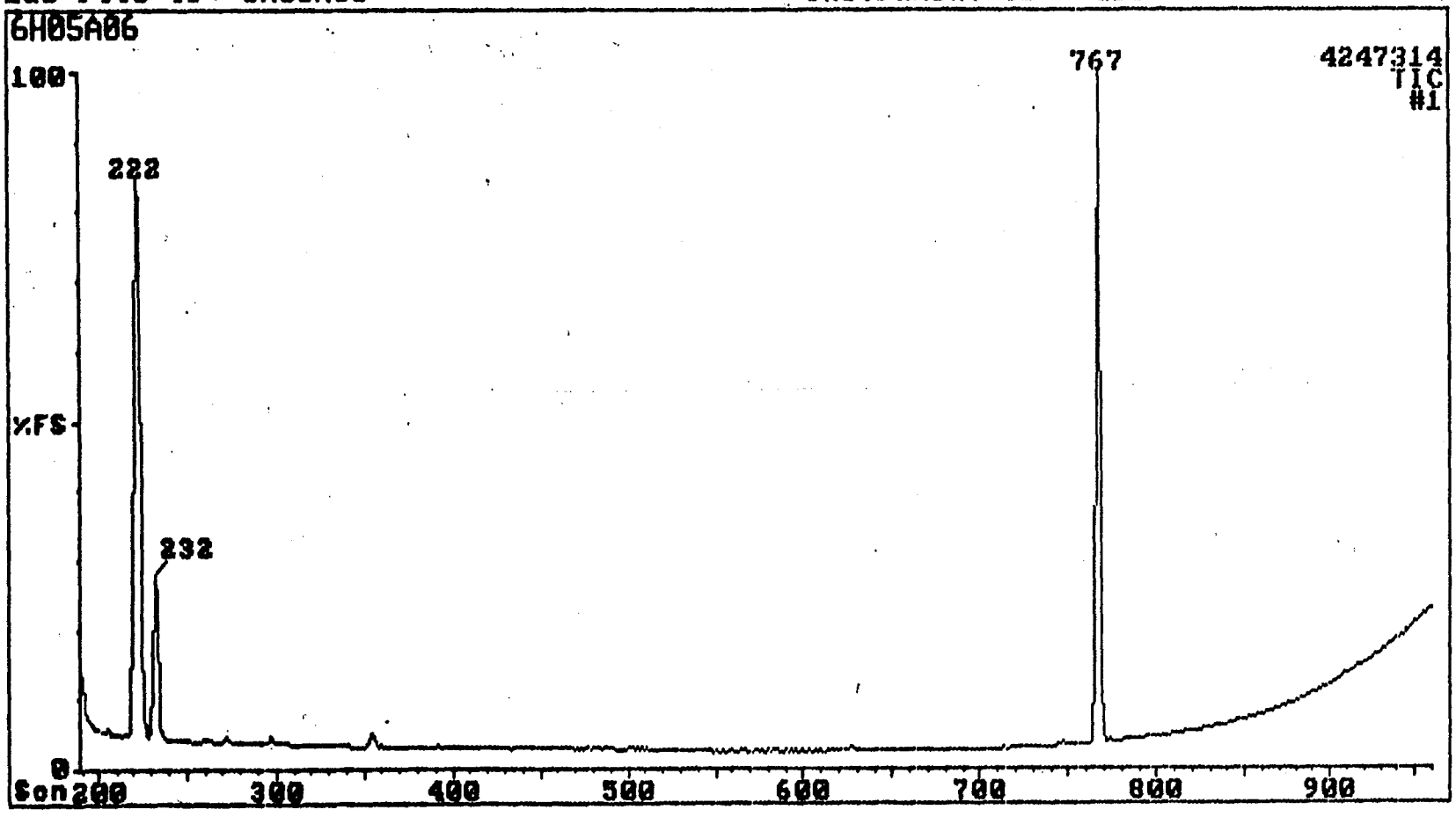
RF 0.02 = 6H05A06
RF 0.05 = 6H05A07
RF 0.10 = 6H05A08
RF 0.50 = 6H05A09
RF 1.00 = 6H05A10

COMPOUND	RR 0.02	RR 0.05	RR 0.10	RR 0.50	RR 1.00	SLOPE	INTCP
3 N-Nitrosodimethylamine	0.016	0.044	0.087	0.438	0.903	1.108	0.004

Internal Standard = 1 ug/mL
Pollutant Compounds = 0.02, 0.05, 0.10, 0.50, 1.00 ug/mL

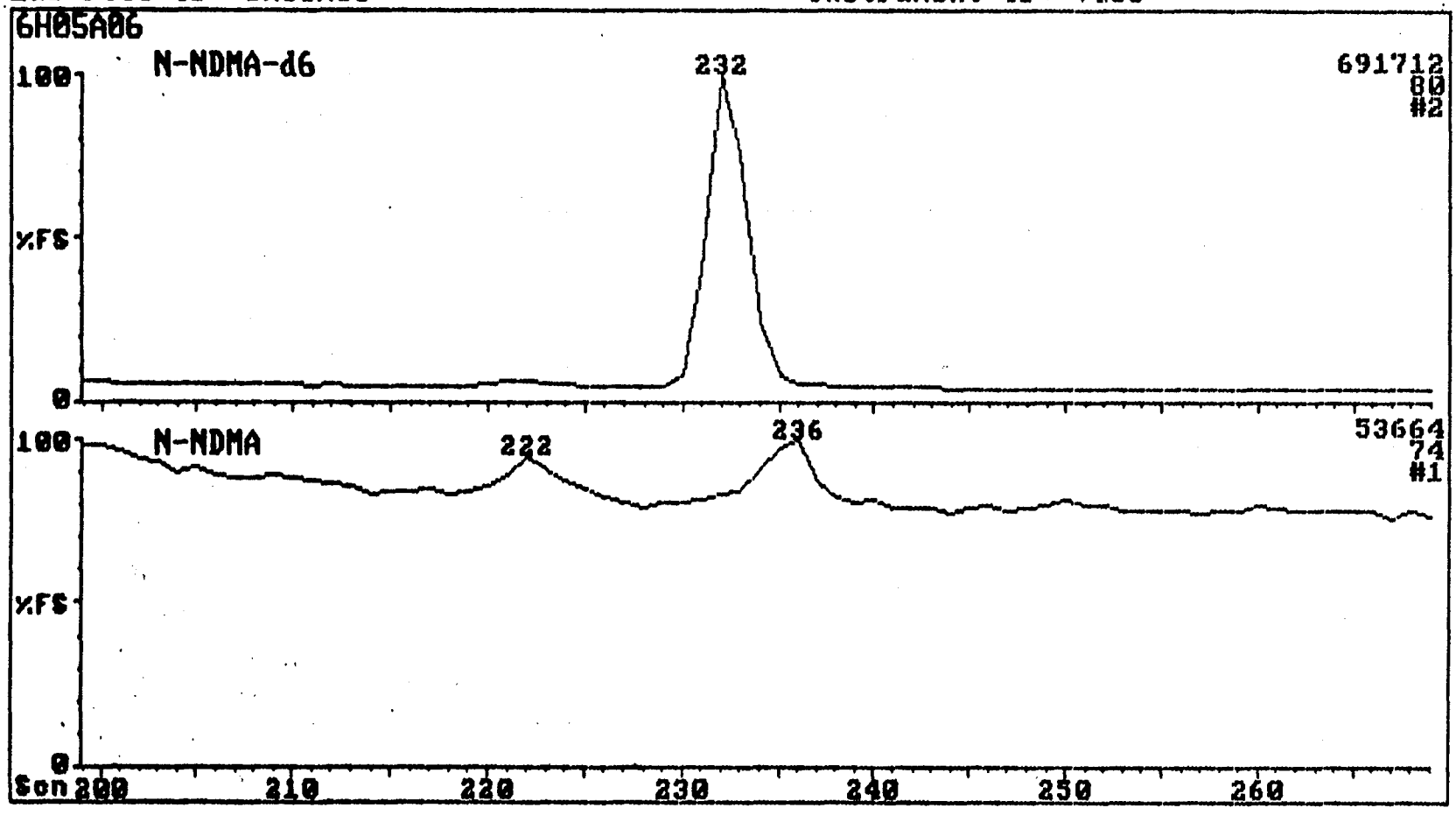
Sample No.: NNDMA 0.02
Lab File ID: 6H05A06

Analyzed: 08/05/98 1045
Instrument ID: VG06



Sample No.: NNDMA 0.02
Lab File ID: 6H05A06

Analyzed: 08/05/98 1045
Instrument ID: VG06



0000039

Sample: NNDMA 0.02 NSTD0.02 Analyzed: 08/05/98 1045
Lab File: 6H05A06 Instrument ID: 06

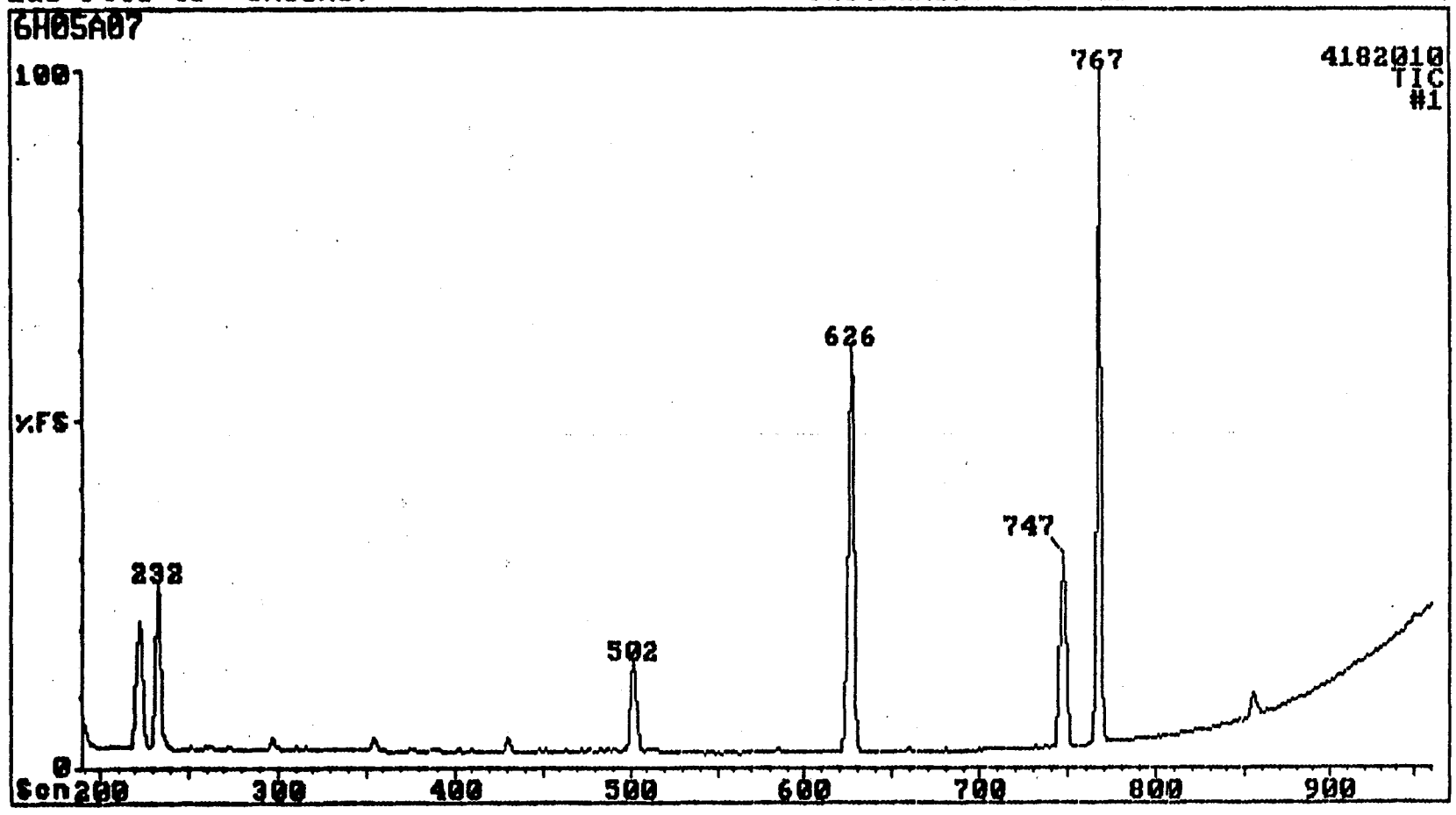
Interim Report LAB-BASE FIND 08/05/98 1220

Raw Datafile : 6H05A06 Quan DB : 6H05A06
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	9292917	?v	767	767	190	2,2'-Difluorobiphenyl
2	100	87	100	0	1593776	b?	232	232	80	N-Nitrosodimethylamine-d6
3	98	67	96	1	25760	!!	236	235	74	N-Nitrosodimethylamine
	82	66	96	5	1016	!!	240			

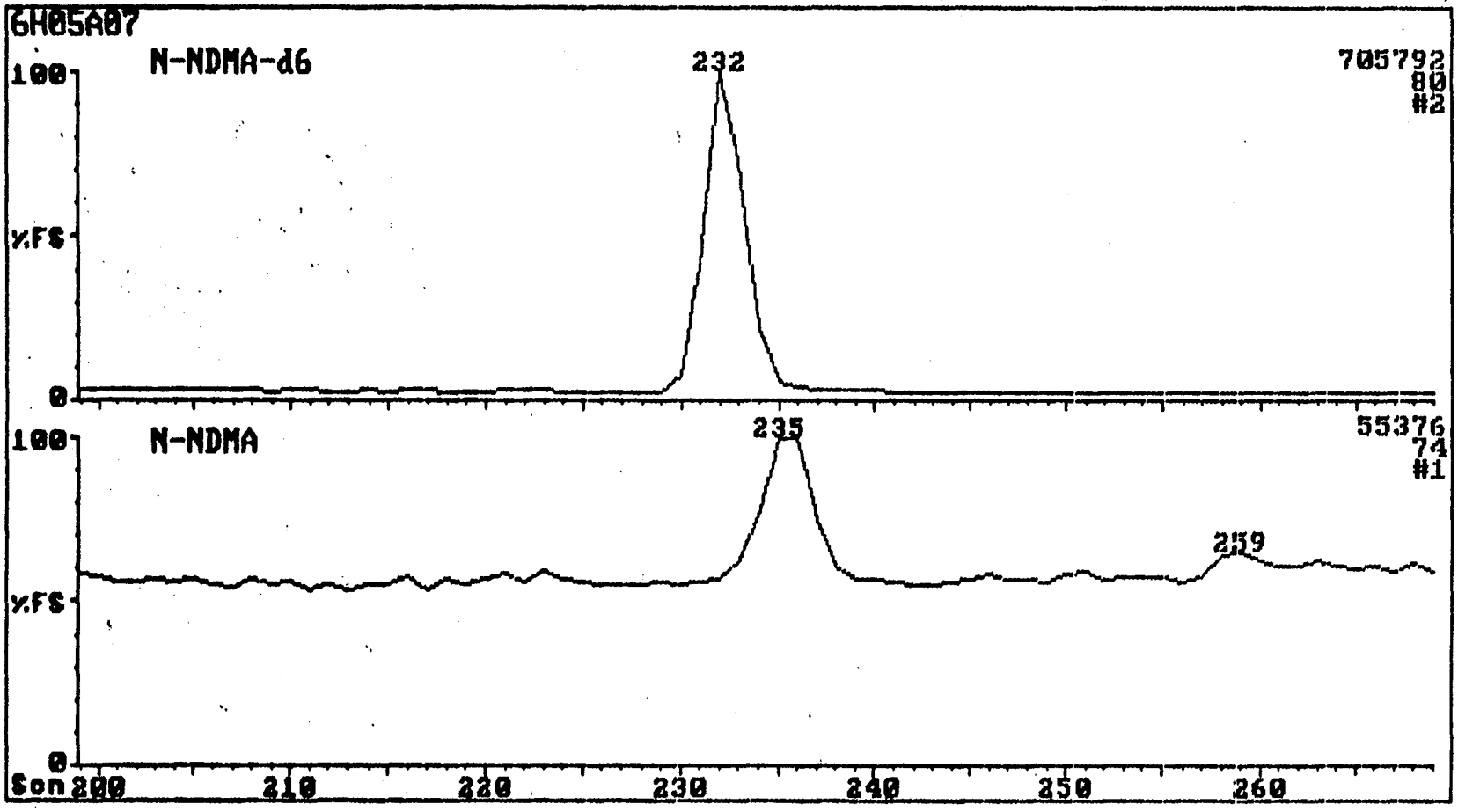
Sample No.: NNDMA 0.05
Lab File ID: 6H05A07

Analyzed: 08/05/98 1112
Instrument ID: VG06



Sample No.: NNDMA 0.05
Lab File ID: 6H05A07

Analyzed: 08/05/98 1112
Instrument ID: VG06



Sample: NNDMA 0.05 NSTD0.05 Analyzed: 08/05/98 1112
Lab File: 6H05A07 Instrument ID: 06

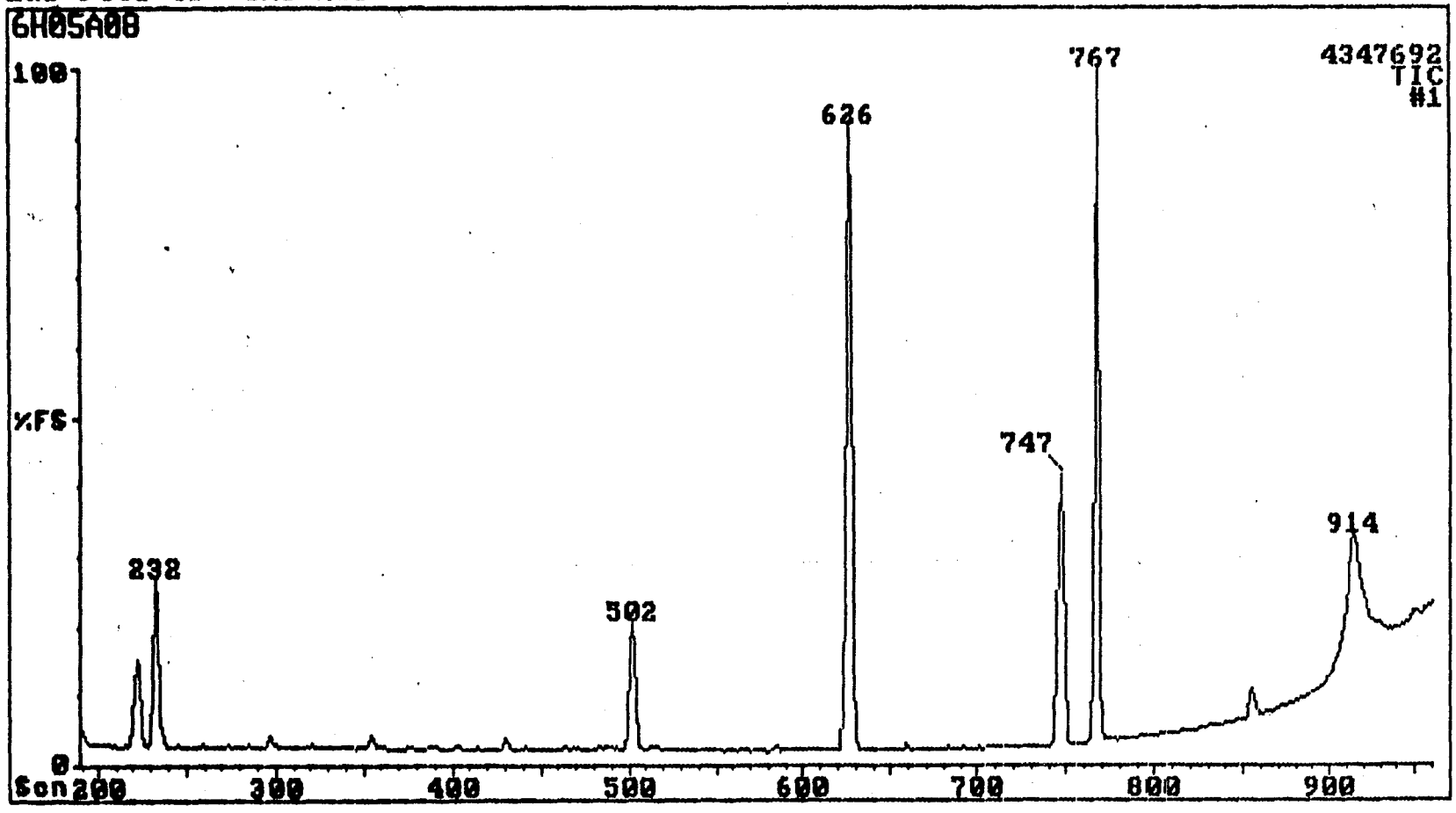
Interim Report LAB-BASE FIND 08/05/98 1221

Raw Datafile : 6H05A07 Quan DB : 6H05A07
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	9091686	bv	767	767	190	2,2'-Difluorobiphenyl
2	100	92	100	0	1649132	b?	232	232	80	N-Nitrosodimethylamine-d6
3	100	74	97	0	72572	!!	235	235	74	N-Nitrosodimethylamine
	82	67	96	5	242	!!	240			

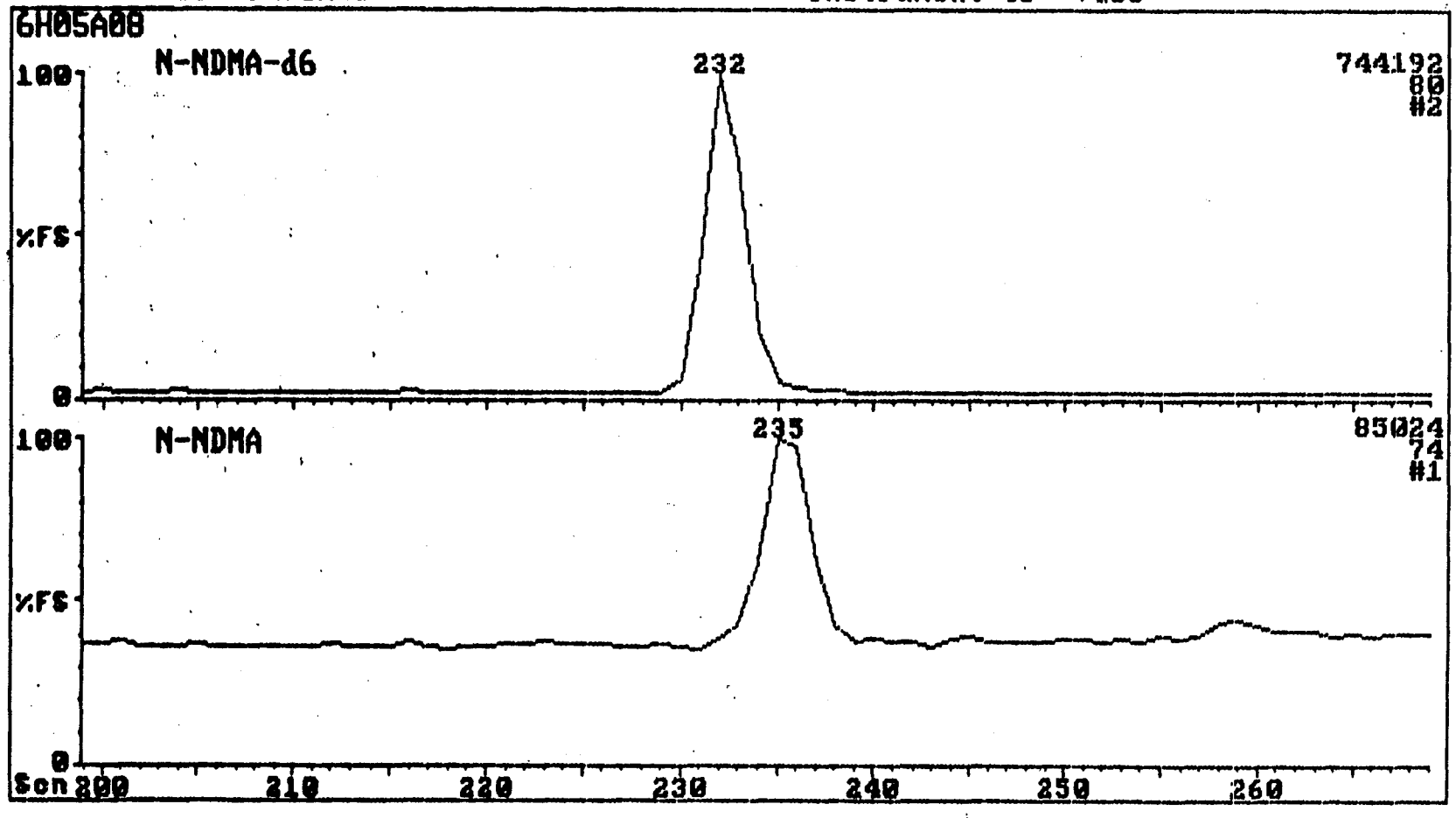
Sample No.: NNDMA 0.10
Lab File ID: 6H05A08

Analyzed: 08/05/98 1139
Instrument ID: VG06



Sample No.: NNDMA 0.10
Lab File ID: 6H05A08

Analyzed: 08/05/98 1139
Instrument ID: VG06



Sample: NNDMA 0.10 NSTDO.10 Analyzed: 08/05/98 1139
Lab File: 6H05A08 Instrument ID: 06

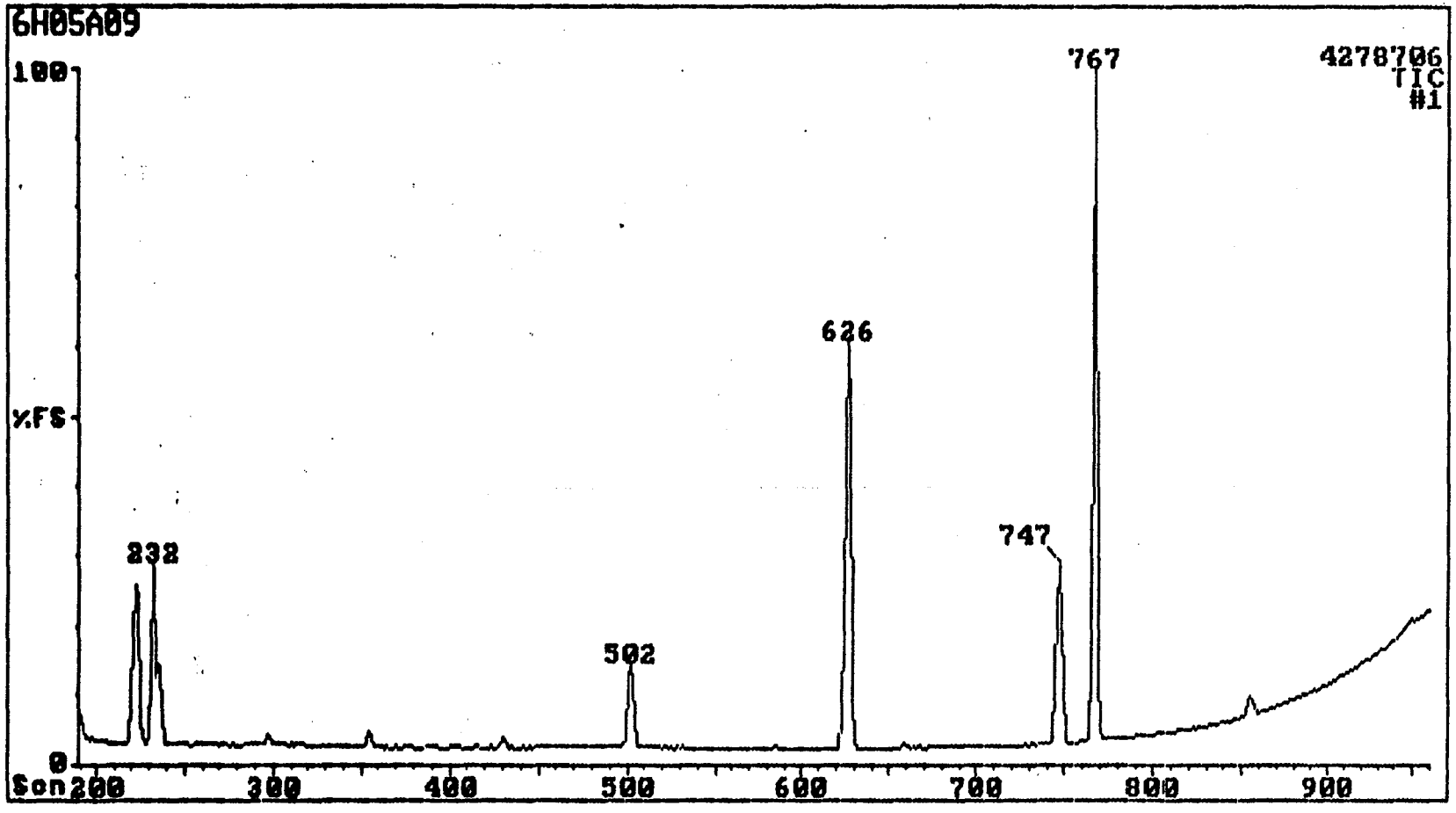
Interim Report LAB-BASE FIND 08/05/98 1222

Raw Datafile : 6H05A08 Quan DB : 6H05A08
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	9438314	bv	767	767	190	2,2'-Difluorobiphenyl
2	100	92	100	0	1728248	v?	232	232	80	N-Nitrosodimethylamine-d6
3	100	79	97	0	149756	??	235	235	74	N-Nitrosodimethylamine
	82	67	96	5	1784	!!	240			

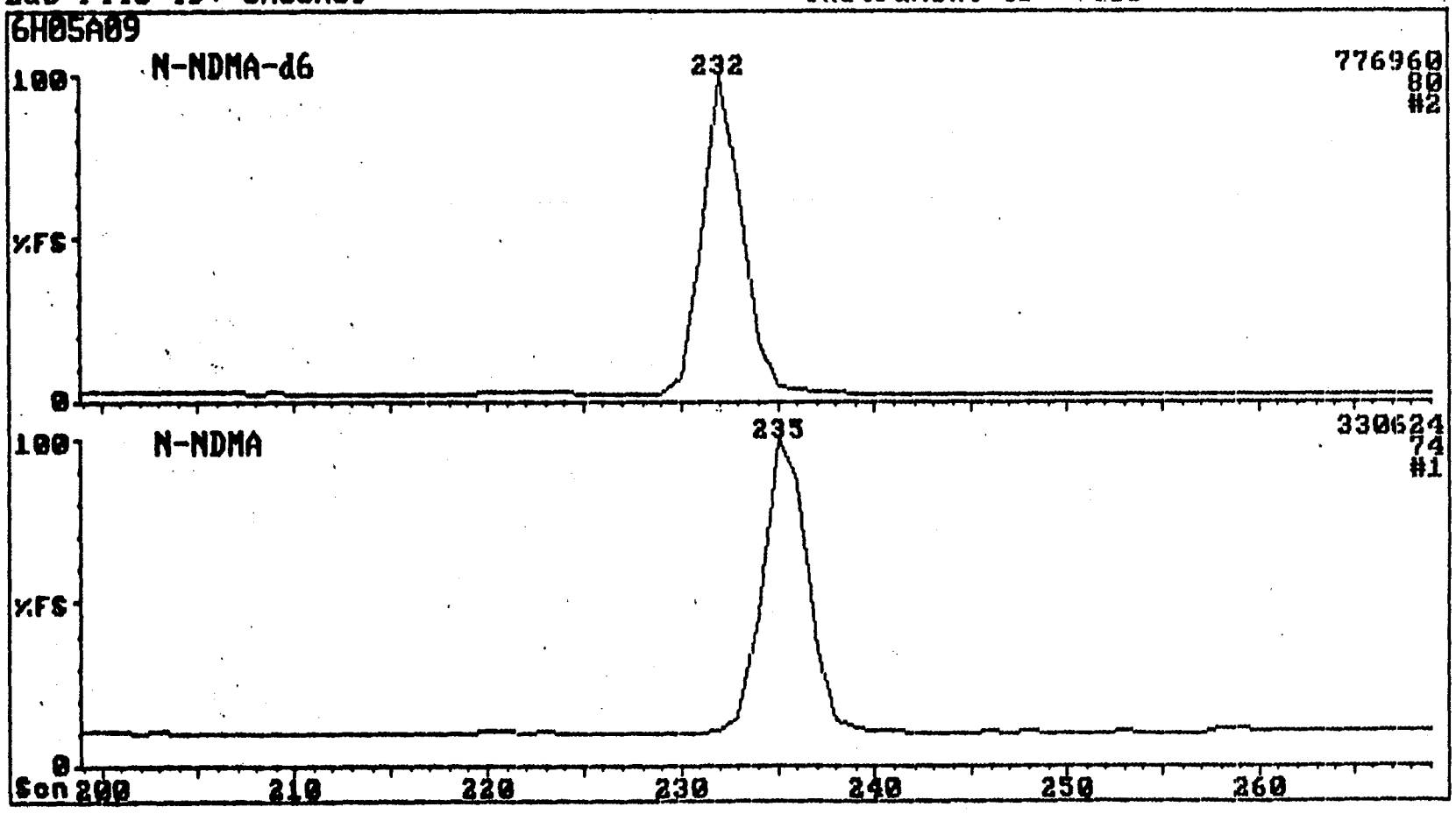
Sample No.: NNDMA 0.50
Lab File ID: 6H05A09

Analyzed: 08/05/98 1206
Instrument ID: VG06



Sample No.: NNDMA 0.50
Lab File ID: 6H05A09

Analyzed: 08/05/98 1206
Instrument ID: VG06



Sample: NNDMA 0.50 NSTD0.50 Analyzed: 08/05/98 1206
Lab File: 6H05A09 Instrument ID: 06

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Interim Report LAB-BASE FIND 08/05/98 1223

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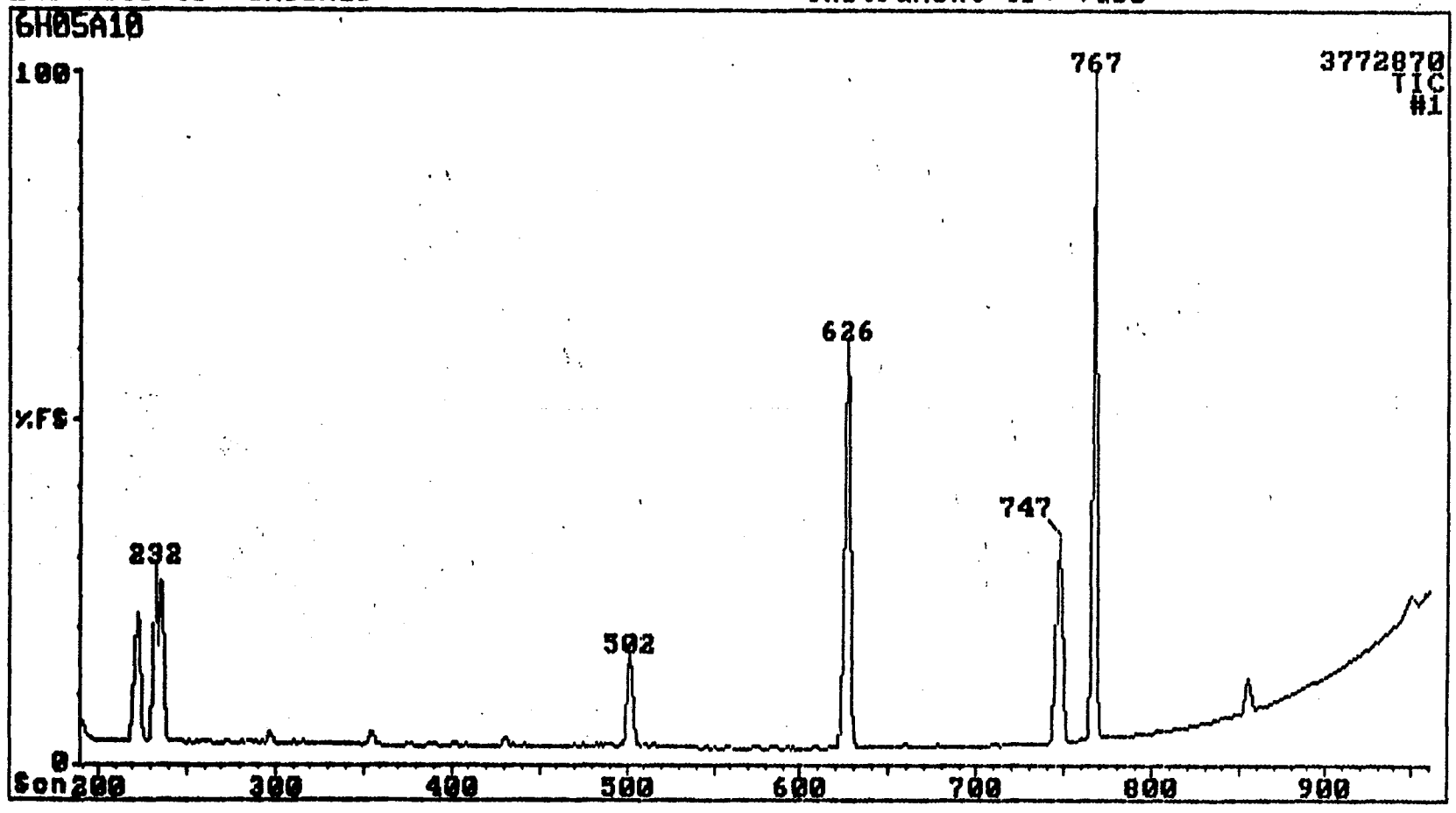
Raw Datafile : 6H05A09 Quan DB : 6H05A09
Find DB : NNDMA Scan DB : NONE

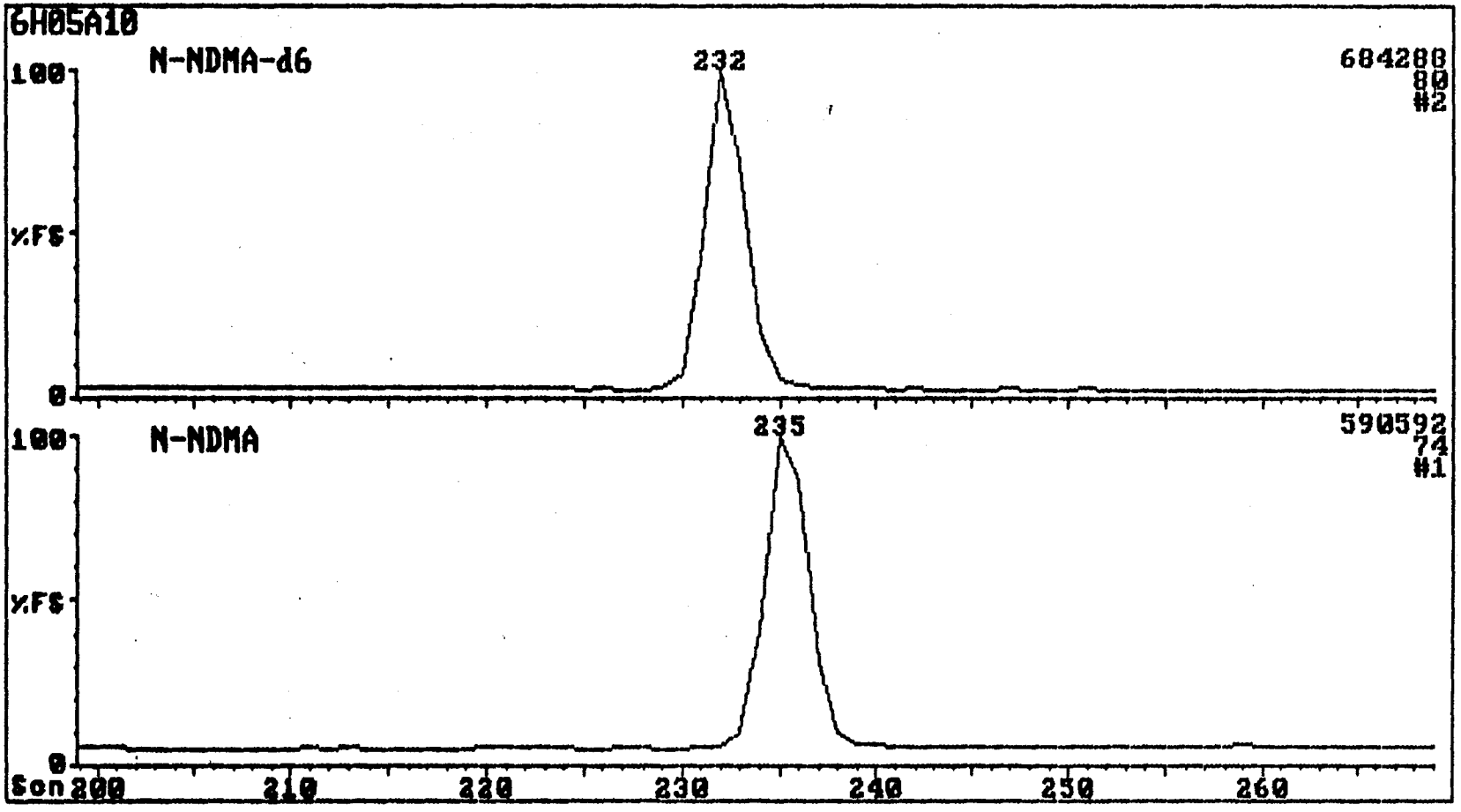
No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	9375387	bv	767	767	190	2,2'-Difluorobiphenyl
2	100	92	100	0	1757908	b?	232	232	80	N-Nitrosodimethylamine-d6
3	100	90	99	0	770752	??	235	235	74	N-Nitrosodimethylamine
	70	69	93	-9	872	!!	226			

Sample No.: NNDMA 1.00
Lab File ID: 6H05A10

Analyzed: 08/05/98 1233
Instrument ID: VG06



Sample No.: NNDMA 1.00 Analyzed: 08/05/98 1233
Lab File ID: 6H05A10 Instrument ID: VG06



Sample: NNDMA 1.00 NSTD1.00 Analyzed: 08/05/98 1233
Lab File: 6H05A10 Instrument ID: 06

Interim Report LAB-BASE FIND 08/05/98 1255

Raw Datafile : 6H05A10 Quan DB : 6H05A10
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	8123939	bv	767	767	190	2,2'-Difluorobiphenyl
2	100	91	100	0	1573246	b?	232	232	80	N-Nitrosodimethylamine-d6
3	100	94	100	0	1420144	??	235	235	74	N-Nitrosodimethylamine
	74	68	95	-7	1884	!!	228			

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

NNDMA 0.10

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: NSTD0.10
Lab File ID: 6H05A11
Date Sampled:
Date Extracted:
Date Analyzed: 08/05/98
Time Analyzed: 1504

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.10		106 %

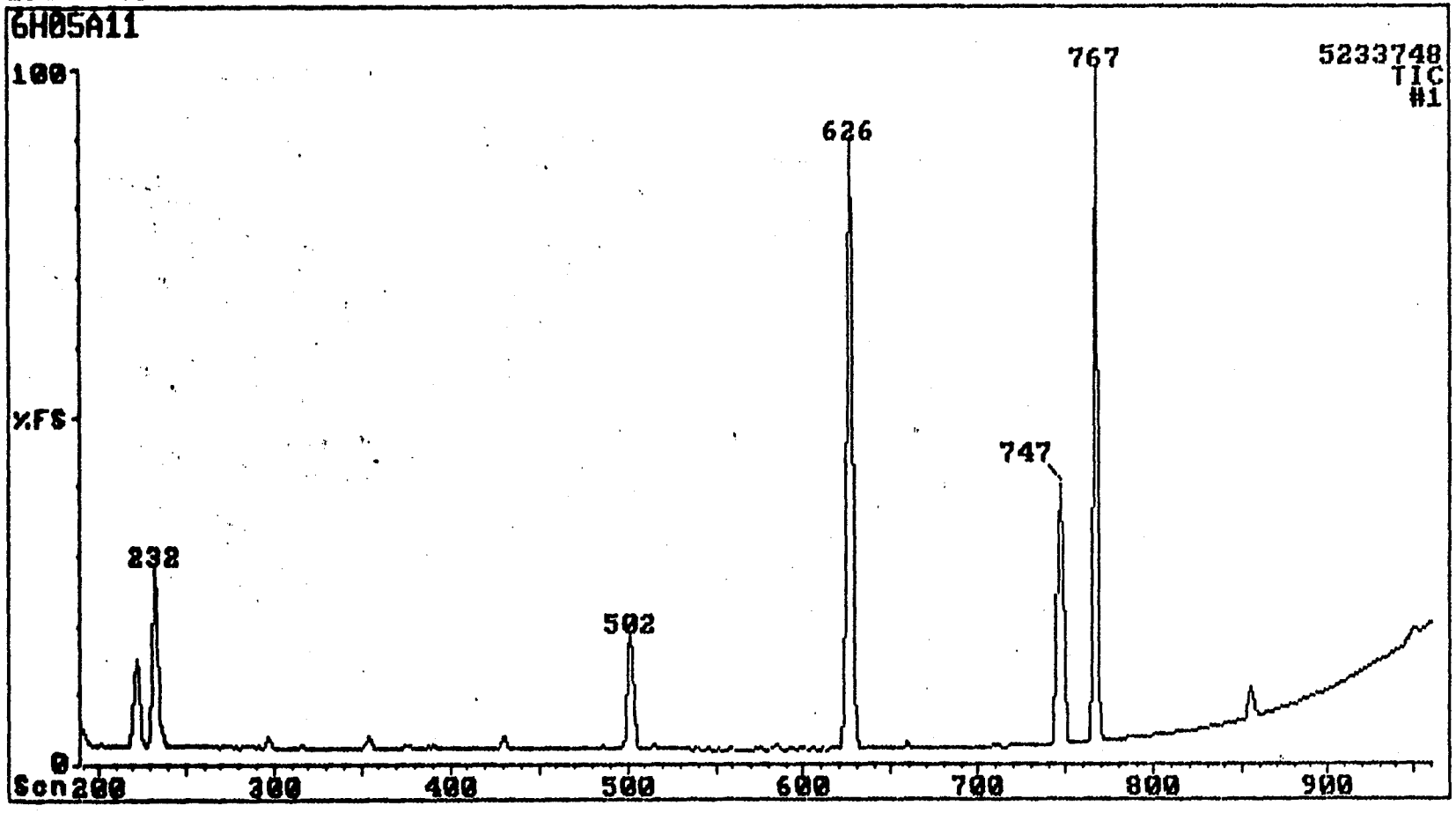
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

PQL = 0.03 ug/L

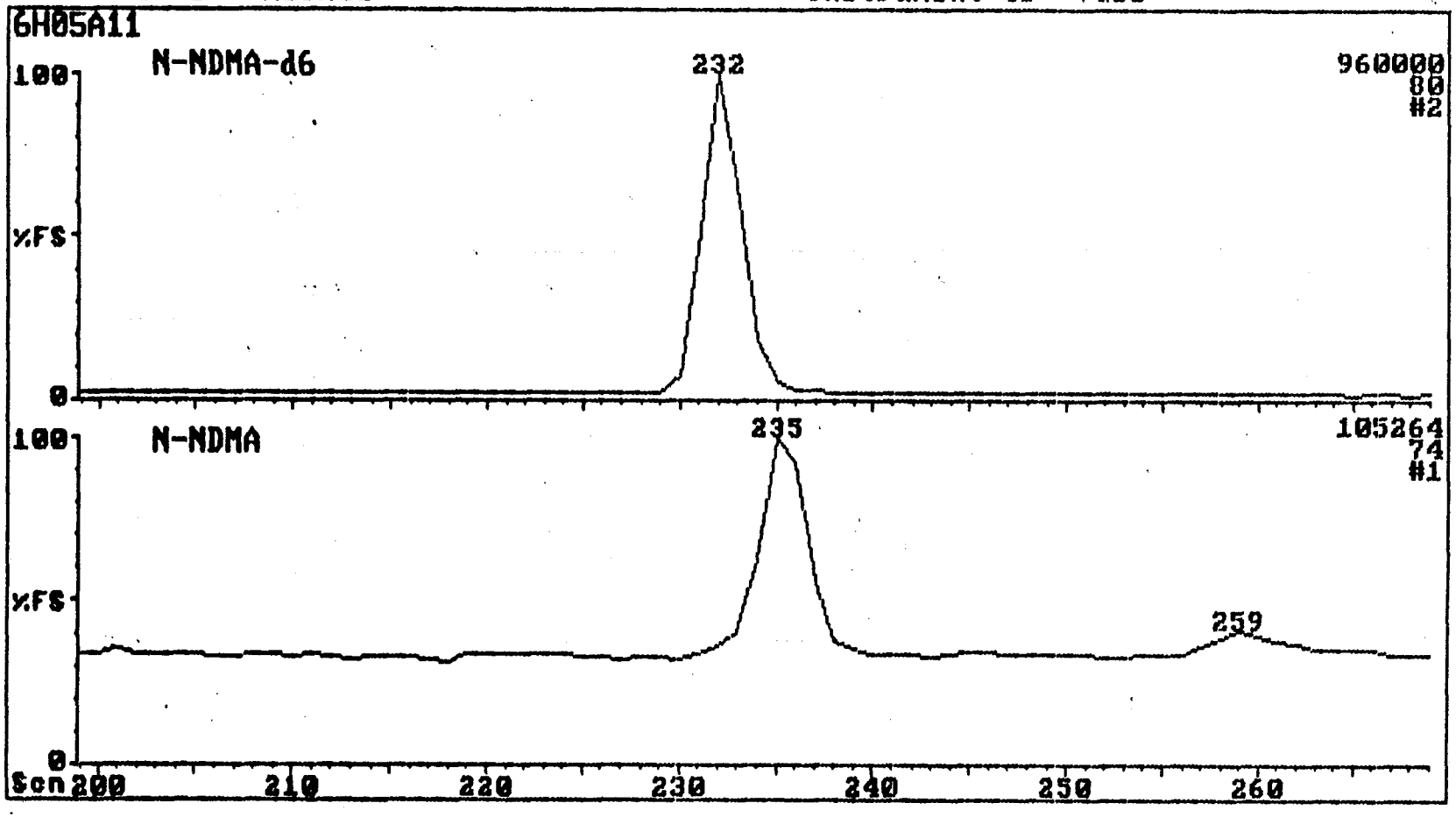
Sample No.: NNDMA 0.10
Lab File ID: 6H05A11

Analyzed: 08/05/98 1504
Instrument ID: VG06



Sample No.: NNDMA 0.10
Lab File ID: 6H05A11

Analyzed: 08/05/98 1504
Instrument ID: VG06



000055

Sample: NNDMA 0.10 NSTD0.10 Analyzed: 08/05/98 1504
Lab File: 6H05A11 Instrument ID: 06

Interim Report LAB-BASE FIND 08/05/98 1512

Raw Datafile : 6H05A11 Quan DB : 6H05A11
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	11389158	bv	767	767	190	2,2'-Difluorobiphenyl
2	100	93	100	0	2209740	??	232	232	80	N-Nitrosodimethylamine-d6
3	100	74	98	0	184064	??	235	235	74	N-Nitrosodimethylamine
	78	67	96	6	704	!!	241			

Daily Calibration Check

EPA Name: NNDMA 0.10 Lab ID: NSTD0.10 Lab File: 6H05A11

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1504

Compound	Target Conc.	Rec.	Label Rec.	Limits
N-Nitrosodimethylamine	0.10	96.07	105.8	44 - 230

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

LAB BLANK

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: 8806
Lab File ID: 6H05A14
Date Sampled:
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1619

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.03	U	83 %

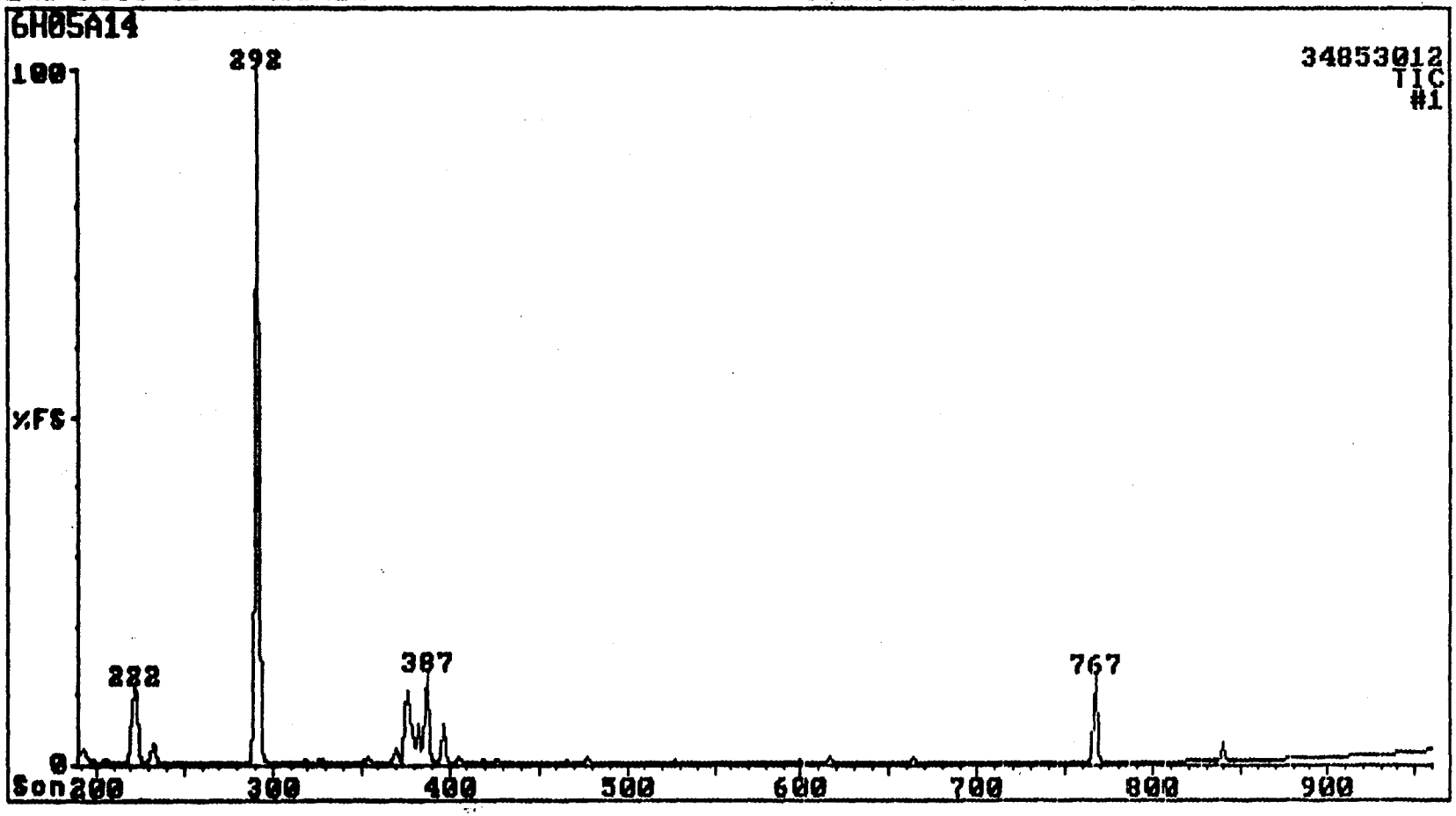
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

PQL = 0.03 ug/L

Sample No.: LAB BLANK
Lab File ID: 6H05A14

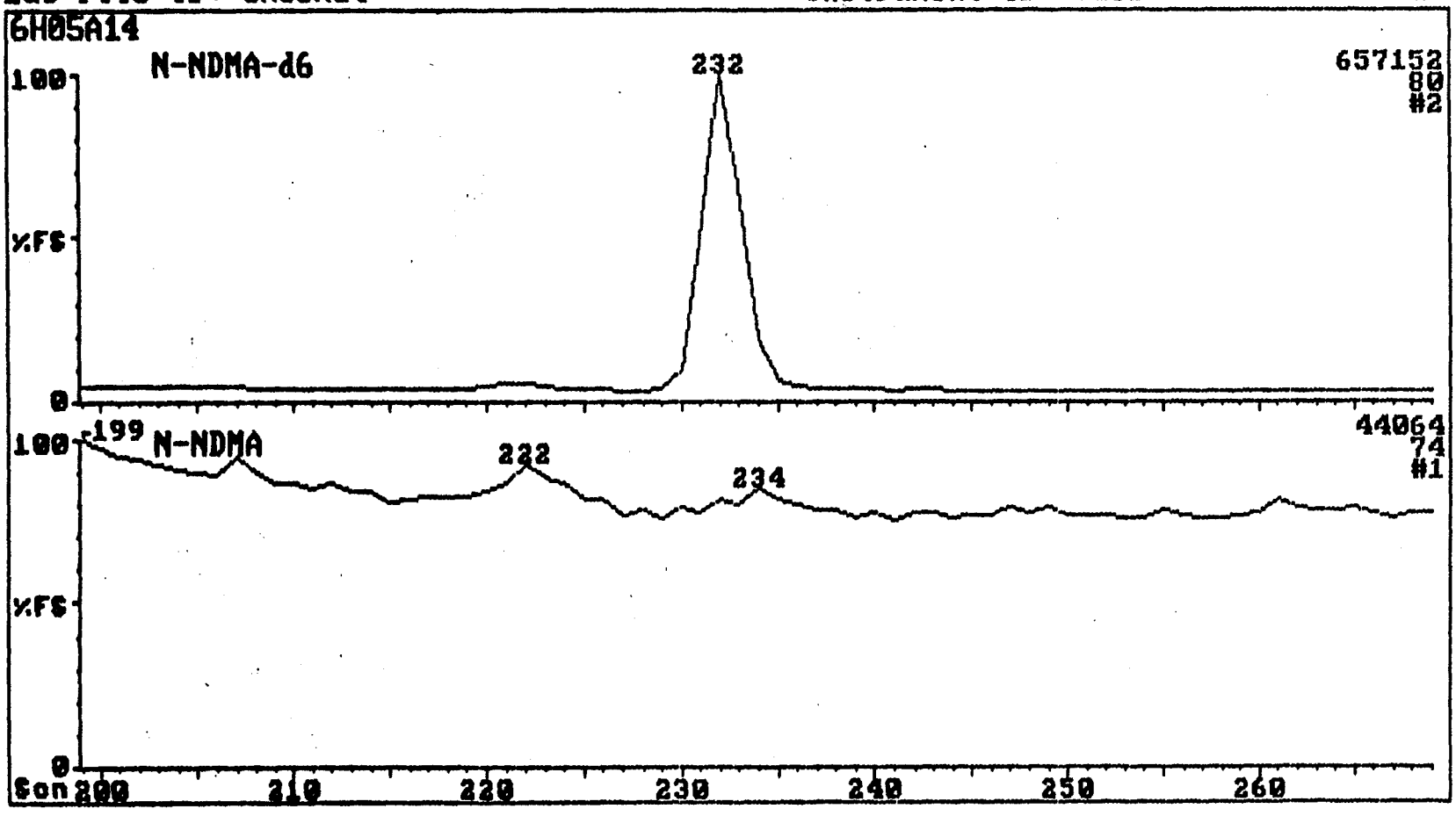
Analyzed: 08/05/98 1619
Instrument ID: VG06



000059

Sample No.: LAB BLANK
Lab File ID: 6H05A14

Analyzed: 08/05/98 1619
Instrument ID: VG06



090060

Sample: LAB BLANK 8806 Analyzed: 08/05/98 1619
Lab File: 6H05A14 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0720

Raw Datafile : 6H05A14 Quan DB : 6H05A14
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	9831365	?v	767	767	190	2,2'-Difluorobiphenyl
2	100	88	99	0	1504980	b?	232	232	80	N-Nitrosodimethylamine-d6
3	71	66	89	-7	960	!!	228	235	74	N-Nitrosodimethylamine
	62	66	95	9	1296	!!	244			
	42	68	93	14	1510	!!	249			

Quantitation Results

EPA Name: LAB BLANK Lab ID: 8806 Lab File: 6H05A14

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1619

Compound	Target Conc.	Sample Conc.	Label Rec.	Limits
N-Nitrosodimethylamine	0.00	0.00	83.5	25 - 175

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

00.10

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: P&R B96
Lab File ID: 6H05A12
Date Sampled:
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1525

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.11		72 %

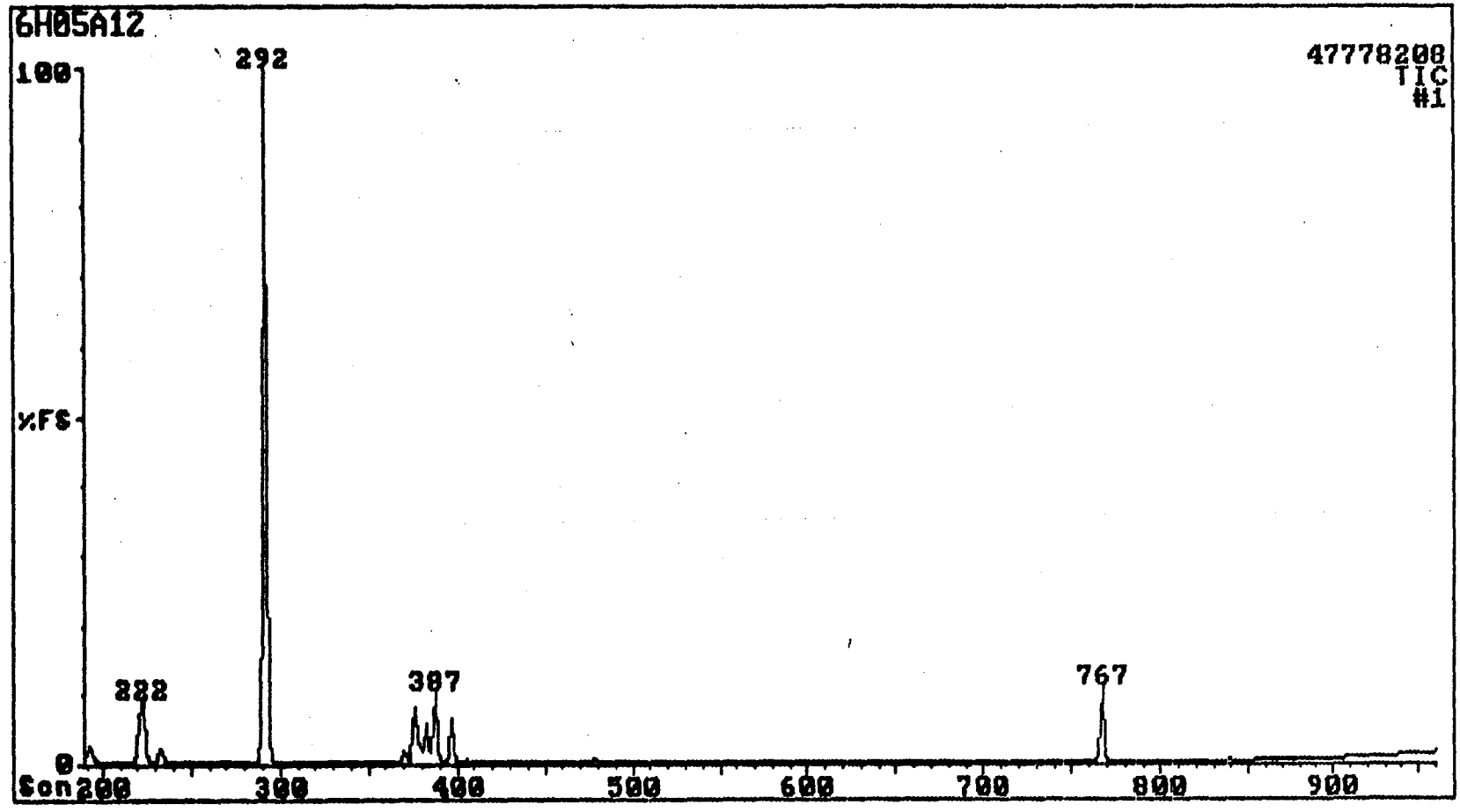
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

PQL = 0.03 ug/L

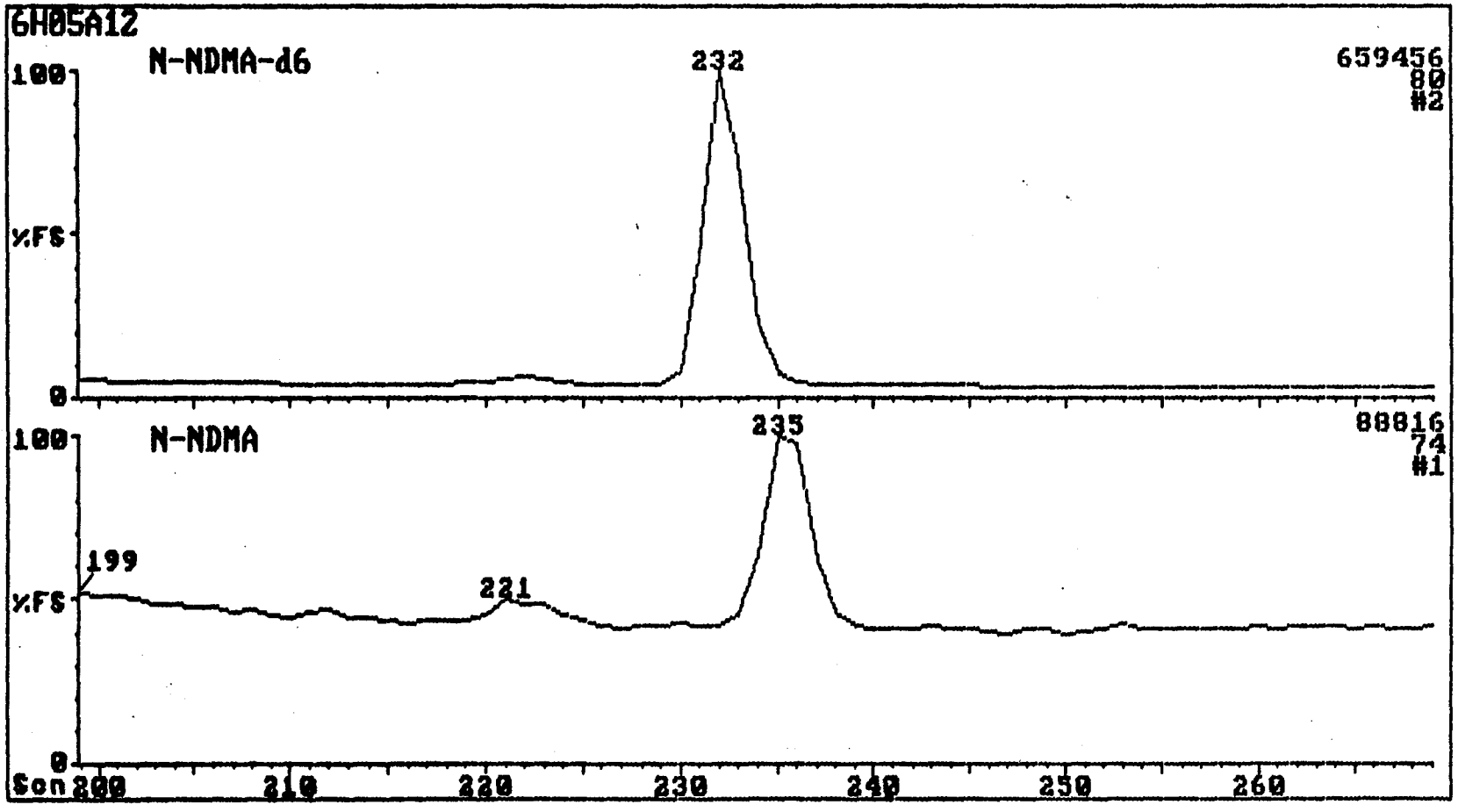
Sample No.: 00.10
Lab File ID: 6H05A12

Analyzed: 08/05/98 1525
Instrument ID: VG06



Sample No.: 00.10
Lab File ID: 6H05A12

Analyzed: 08/05/98 1525
Instrument ID: VG06



000065

Sample: 00.10 P&R B96 Analyzed: 08/05/98 1525
Lab File: 6H05A12 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0714

Raw Datafile : 6H05A12 Quan DB : 6H05A12
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	93	100	0	11656536	?v	767	767	190	2,2'-Difluorobiphenyl
2	100	87	100	0	1529788	b?	232	232	80	N-Nitrosodimethylamine-d6
3	100	78	96	0	143840	??	235	235	74	N-Nitrosodimethylamine
	71	67	88	-7	184	!!	228			

On-going Accuracy (P&R) Check

EPA Name: 00.10 Lab ID: P&R B96 Lab File: 6H05A12

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1525

Compound	Target Conc.	Rec.	Label Rec.	Limits
N-Nitrosodimethylamine	0.11	108.39	71.5	25 - 175

ISOTOPE DILUTION
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
FORWARD SEARCH LIST

CLIENT SAMPLE NO.

00.10

Lab Name: PACIFIC ANALYTICAL, INC.
Matrix: WATER
Sample wt/vol: 1000 ml
Concentrated Extract Volume: 1000 ul
Injection Volume: 1 ul
GPC Cleanup: N/A
Fraction: Base/Neutral

Lab Sample ID: P&R B96 DUP
Lab File ID: 6H05A13
Date Sampled:
Date Extracted: 08/03/98
Date Analyzed: 08/05/98
Time Analyzed: 1552

Compound	Concentration (ug/L)	Flags	Labelled Cpd. Recovery
N-Nitrosodimethylamine	0.10		73 %

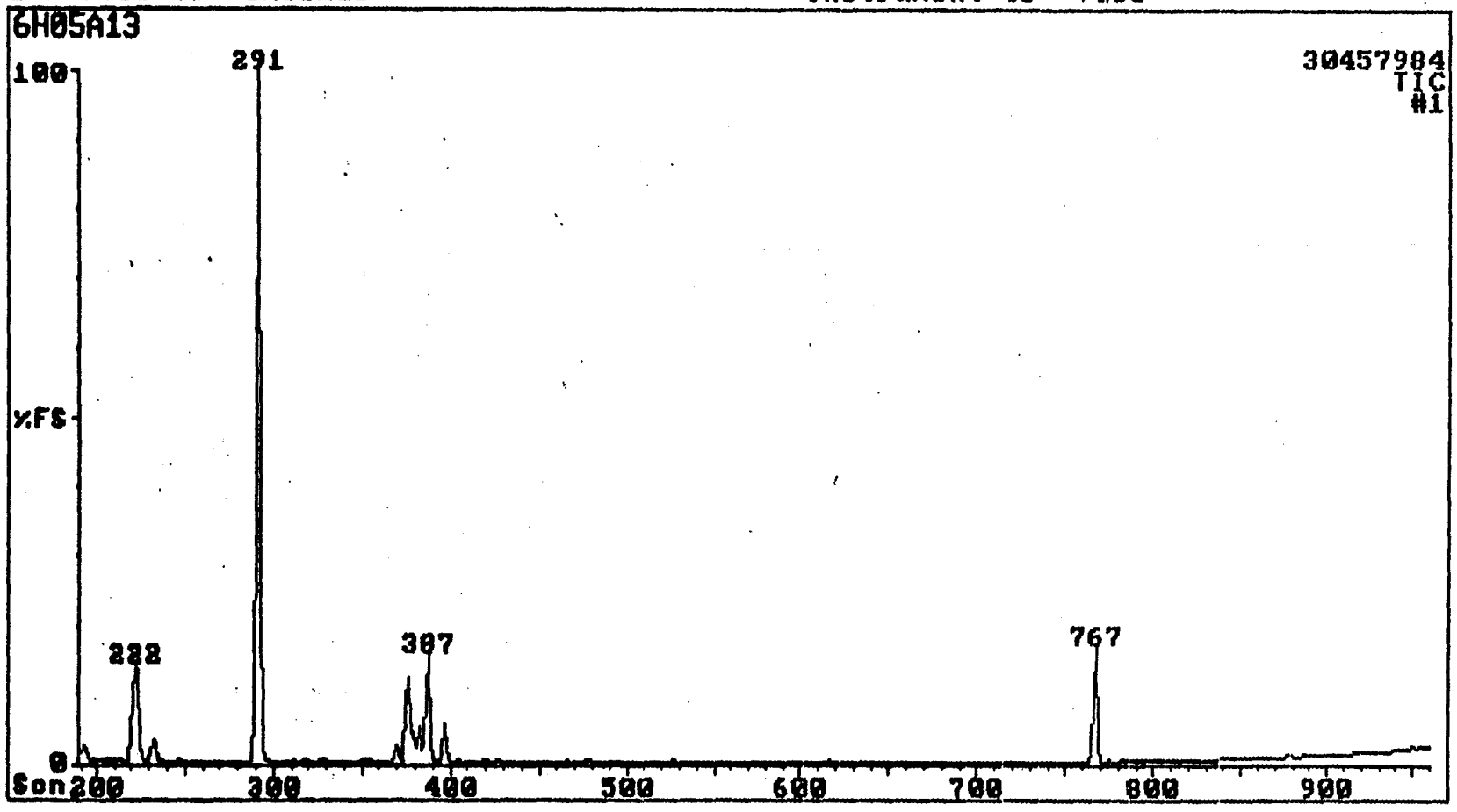
U = Undetected J = Estimated Concentration B = Found in Blank
D = Dilution Results E = Result Exceeds Calibration Curve

MDL = 0.005 ug/L

PQL = 0.03 ug/L

Sample No.: 00.10
Lab File ID: 6H05A13

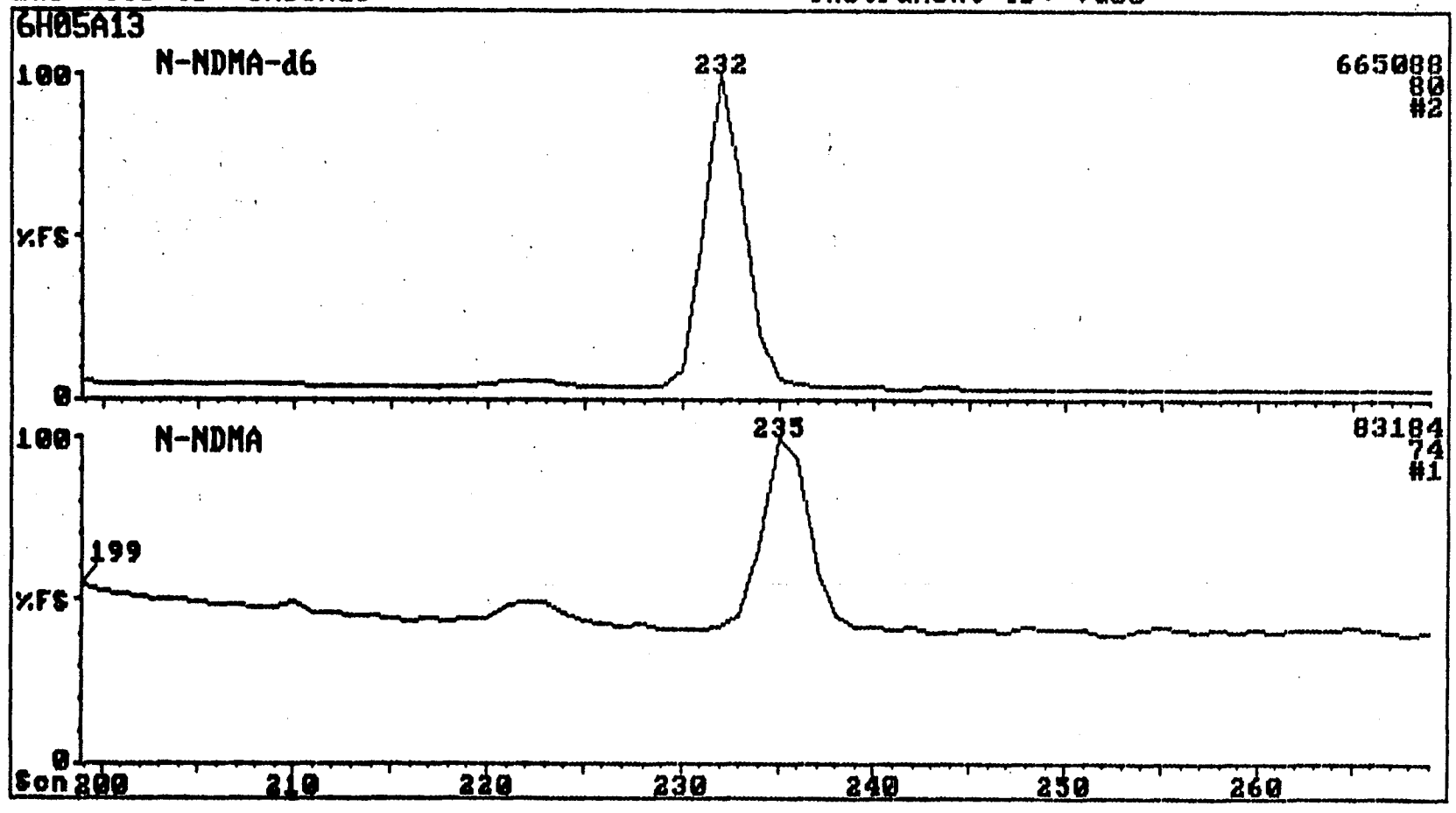
Analyzed: 08/05/98 1552
Instrument ID: VG06



690000

Sample No.: 00.10
Lab File ID: 6H05A13

Analyzed: 08/05/98 1552
Instrument ID: VG06



000070

Sample: 00.10 P&R B96 DUP Analyzed: 08/05/98 155
Lab File: 6H05A13 Instrument ID: 06

Interim Report LAB-BASE FIND 08/06/98 0715

Raw Datafile : 6H05A13 Quan DB : 6H05A13
Find DB : NNDMA Scan DB : NONE

No.	Spectrum MAT	FOR	REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	94	100	0	11316661	?v	767	767	190	2,2'-Difluorobiphenyl
2	100	88	99	0	1515332	b?	232	232	80	N-Nitrosodimethylamine-d6
3	100	73	98	0	130544	??	235	235	74	N-Nitrosodimethylamine
	72	64	94	6	752	!!	241			

On-going Accuracy (P&R) Check

EPA Name: 00.10 Lab ID: P&R B96 DUP Lab File: 6H05A13

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1552

Compound	Target Conc.	Rec.	Label Rec.	Limits
N-Nitrosodimethylamine	0.10	99.41	73.0	25 - 175

On-going Accuracy (P&R) Check

EPA Name: 00.10 Lab ID: P&R B96 DUP Lab File: 6H05

Instr: 06 ICAL: 6H05 Acquisition Date: 08/05/98 Acquisition Time: 1552

Compound	Target Conc.	Rec.	Label Rec.	Limits
N-Nitrosodimethylamine	0.10	99.41	73.0	25 - 175

PACIFIC ANALYTICAL, INC.

*** SAMPLE RECEIPT LOG ***

PA JOB NUMBER: M82
(Sample Tracking Information)

JOB _____ TASK _____-_____
(Invoice Information Only)

CUSTOMER: MONTGOMERY WATSON

RECEIVED BY: AMH

REVISION DATE: 08/03/98

REVISION TIME: 08:23

CHAIN OF CUSTODY RECEIVED: Y

SHIPPER: FEDEX
SHIPPER CODE: 414782604189

LAB SAMPLE NUMBER OF FIRST SAMPLE TO BE LOGGED IN: M8201

LAB SAMPLE NUMBER	CUSTOMER SAMPLE ID	DATE SAMPLED	DATE OF RECEIPT	DESCRIPTION (soil, water, tissue, etc.)	CONDITION
M8201	MW-983-005	07/29/98	07/31/98	1 X 1L WATER	INTACT
M8202	MW-983-038	07/29/98	07/31/98	1 X 1L WATER	INTACT
M8203	MW-983-072	07/29/98	07/31/98	1 X 1L WATER	INTACT
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COMMENTS: 1 LG COOLER, RECEIVED 2 OF EACH SAMPLE, BUT SENT ONE BACK.

PACIFIC ANALYTICAL, INC.

*** SAMPLE RECEIPT LOG ***

PA JOB NUMBER: M85
(Sample Tracking Information)

JOB _____ TASK _____-_____
(Invoice Information Only)

CUSTOMER: MONTGOMERY WATSON

RECEIVED BY: AMH

REVISION DATE: 08/01/98

REVISION TIME: 12:46

CHAIN OF CUSTODY RECEIVED: Y

SHIPPER: FEDEX
SHIPPER CODE: 804733304366

LAB SAMPLE NUMBER OF FIRST SAMPLE TO BE LOGGED IN: M8501

LAB SAMPLE NUMBER	CUSTOMER SAMPLE ID	DATE SAMPLED	DATE OF RECEIPT	DESCRIPTION (soil, water, tissue, etc.)	CONDITION
M8501	MW-983-041	07/31/98	08/01/98	1 X 1L WATER	INTACT
M8502	MW-983-049	07/31/98	08/01/98	1 X 1L WATER	INTACT
M8503	MW-983-065	07/31/98	08/01/98	1 X 1L WATER	INTACT
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COMMENTS: 1 MED COOLER

SAMPLE LOG-IN SHEET -TEMPORARY

M82

LAB NAME: PACIFIC ANALYTICAL, INC.

Received By (Print Name): José L. Toledo Log-in Date: 7/31/98

Received By (Signature): José L. Toledo

Client Montgomery-Watson

# of coolers: 1 Large Cooler

REMARKS:

1. Custody Seal(s) Present/~~Absent~~ Intact/Broken
2. Custody Seal Nos.:
3. Chain of Custody Records: Present/Absent*
4. Traffic Reports or Packing List Present/~~Absent~~*
5. Airbill Airbill/~~Sticker~~ Present/Absent*
6. Airbill No.: 9147 8260 4189
7. Sample Tags ~~Present~~/Absent*

   Sample Tag Numbers Listed/Not Listed on Chain of Custody
8. Sample Condition ~~Intact~~/Broken/Leaking* cold
9. Does informatin on Custody Records, Traffic Reports and sample tags agree? ~~Yes~~/No
10. Date Received at Lab: 7/31/98
11. Time Received at Lab: 10:30 Am

LAB ID	SAMPLE NO	REMARKS #CONTAINERS; CONDITION
M8201	MW983-~~038~~ 005	WATER, 1x1 L BOTTLE, ~~TAG~~ 01
M8202	MW983-038	↓ ↓ TAG: 01014, ~~NO TAG~~
M8203	MW983-072	↓ ↓, ~~TAG: 01039~~ NO TAG

SAMPLE LOG-IN SHEET -TEMPORARY

LAB NAME: PACIFIC ANALYTICAL, INC.

Received By (Print Name): [illegible] Log-in Date:

Received By (Signature):

Client Montgomery

# of coolers: 1 med.

REMARKS:

1. Custody Seal(s) Present/Absent*
   Intact/Broken
2. Custody Seal Nos.:
3. Chain of Custody Records: Present/Absent*
4. Traffic Reports or Packing List Present/Absent*
5. Airbill Airbill/Sticker Present/Absent*
6. Airbill No.: Fed Ex 804733364366
7. Sample Tags Present/Absent*
   Sample Tag Numbers Listed/Not Listed on Chain of Custody
8. Sample Condition Intact/Broken/Leaking*
9. Does informatin on Custody Records, Traffic Reports and sample tags agree? Yes/No
10. Date Received at Lab: 8-1-98
11. Time Received at Lab: 1140

LAB ID	SAMPLE NO	REMARKS #CONTAINERS; CONDITION		
				tag #
M8501		M4983.041	1x 1L	01098
M8502		049		01085
M8303		065		01106

Chemist JLT

SEMI-VOA/BNA

JOB # M82/85

Extraction Date 8/3/98 1625M (N-NDMA) (analysis)

Client Mont. / Water

Extraction Method 1625M(N-NDMA) Extraction Solvent MeCl2 Lot # 38A1

Matrix Water Fraction(s) Extracted

Extracts concentrated to 10 mL using K-D apparatus. Extracts then transferred to nitrogen evaporator and concentrated to final volumes listed below. If clean-up is required, reference clean-up method for procedure. Base/neutral and acid fractions combined for Blank and P and R samples only.

SURROGATE: NNDMA Label Date Made 2/2/98 Volume 50 µL Conc. 20 µg/mL Init. MD

MATRIX SPIKE: NNDMA 10ug Std. Date Made 5/18/98 Volume 100 µL Conc. 1.0 µg/mL Init. MD

INTERNAL STANDARD:

BN NNDMA Int Std Vol. 10 µl Date Made 5/18/98 Date Spiked 8/5/98 Conc. 100 µg/ml Init. dw

ACID Vol. Date Made Date Spiked Conc. Init.

Sample #	Amount Extracted	% Moisture/ Solids	pH at 1st Extraction	Final Vol. 1st Extract	pH at 2nd Extraction	Final Vol. 2nd Extract	Clean-Up	Comments
8806	1000mL	N/A	>12	1.0 ml	N/A	N/A	None	
8807								
P&RB96								
P&RB96dup								
M8201								
M8202								
M8203								
M8501								
M8502								
M8503								
M8601								
M8602								
M8603								
M8604								

ST 13/98

ST 8/3/98

Pacific Analytical, Inc.

000078

00057

Pacific Analytical
GC/MS SEMI-VOLATILES
RUN LOG

Instrument: VG-06 Page: 297

Cal File: 6H05 Date: 8/5/93

Notes: JOB M82, MONTGOMERY WATSON MWL GROUP # 45562 / NNDMA
JOB M85, MONTGOMERY WATSON MWL GROUP # 45659 / NNDMA
JOB M86, SCWC-I / NNDMA
TUNE PAR: SIR=5.0; SEC=100; SFI=14; SF3=210; QL=6.0; QH=10.9; DM=750; HEAD PRESS=10 psi; SD=3.0 min
SEE=70; SF3=21.0; SF4=21; QIE=1.5; QIR=1.0 STD'S PREPARED 5/19/98 by M.G. 2AL INT.
GC PAR: 40° hold 2.5 min, 15°/min to 280°, hold 0.5 min.

Taped	Sample ID	File Name	OK	Description	OP
	M_2Cl_2	6H05A01	✓	WARM UP	M.G.
		02	✓		
		03	✓		
		04	✓		
		05	✓		
	NSTD0.02	06	✓	NNDMA STD 0.02 µg/mL	
	NSTD0.05	07	✓	0.05	
	NSTD0.10	08	✓	0.10	
	NSTD0.50	09	✓	0.50	
	NSTD 1.00	10	✓	1.00	
	NSTD 0.10	11	✓	NNDMA STD 0.10 µg/mL	
	P&R B96	12	✓	00.10	
	P&R B96 DUP	13	✓	00.10	
	8806	14	✓	LAB BLANK	
	8807	15	✓	LAB BLANK	
	M8201	16	✓	980729131 TAG# 01039	
	M8202	17	✓	980729130 TAG# 01014	
	M8203	18	✓	980729132 TAG# (NONE)	
	M8501	19	✓	980731071 TAG# 01098	
	M8502	20	✓	980731070 TAG# 01085	
	M8503	21	✓	980731072 TAG# 01106	
	M8601	22	✓	#1 ALICANTE	
	M8602	23	✓	#20 COLOMA	
	M8603	24	✓	#22 SOUTH BRIDGE	
	M8604	25	✓	#23 CAPITAL	

000079

06/21/93 Reviewed by: _____ on: _____

JOB # M52

CLIENT Montgomery Watson

LOCATION #7

SAMPLE TRACKING FORM

Pacific Analytical

SAMPLE NUMBER	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date
M1201	JK	7/3/98	MD	8/3/98														
M1202																		
M1203																		

LINE OUT REMAINING ENTRIES IF CONTAINERS WILL NOT BE RETURNED.

000080

M52

JOB # 1185

CLIENT Montchanin Watson Labs

SAMPLE TRACKING FORM

LOCATION #2

Pacific Analytical

SAMPLE NUMBER	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date
118501	W	3/1/91	MDB	3/8/91		/ /		/ /		/ /		/ /		/ /		/ /		/ /
118502	↓	/ /	↓	/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
118503	↓	/ /	↓	/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
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LINE OUT REMAINING ENTRIES IF CONTAINER WILL NOT BE RETURNED.

JOB # 1185

000081

JOB # M82/85

CLIENT Mont/Watson

SAMPLE TRACKING FORM

LOCATION ⇒

Pacific Analytical

Extract

SAMPLE NUMBER	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date	OUT By	OUT Date	IN By	IN Date
8806	dw	8 15 PM	MA	8 15 PM	MA	8 16 PM		/ /		/ /		/ /		/ /		/ /		/ /
8807		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
P+R B96		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
P+R B96 dup		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
M8201		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
02		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
03		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
M8501		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /		/ /
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LINE OUT REMAINING ENTRIES IF CONTAINER WILL NOT BE RETURNED.

JOB # M82/85

[redacted]

5.24.94 US — Chlorinated phenol Surrogate 2.25 ppm

(5.24.94) 2 fluorophenol @ 1000 ppm — 225 µl
(5.24.94) 246 tribromophenol @ 1000 ppm — 225 µl
up to 100 mL in Acetone
lot 33349

5.24.94 US — Chlorinated phenol Matrix 2.25 ppm

~~2 fluorophenol~~ US 5.24.94
(5.24.94) Pentachlorophenol — 1000 ppm — 225 µl
Phenol
246 Trichlorophenol
245 Trichlorophenol
4 chloro 3 methyl phenol
2 chloro phenol
2,4 Dichlorophenol
2,6 Dichlorophenol
Ortho phenyl phenol (2)
up to 100 mL in Acetone lot 3
24 May 94 [illegible]

Trifluralin — Reid de Haen lot # 7230
0.010 g / 10 mL Hexane — 1000 ug/mL — 24 May 94 [illegible]

Prometon — Reid de Haen lot # 7251
0.010 g / 10 mL Hexane — 1000 ug/mL — 24 May 94 [illegible]

Metolachlor — Chem Serv lot # 31-98A
0.010 g / 10 mL Hexane — 1000 ug/mL — 24 May 94 [illegible]

3349

US 5.25.94 — NDMA$_{d6}$ @ 1000 ppm

MSD Lot 3414P NDMA$_{d6}$ — 0.1 g from sealed vial rinsed into 100 mL in $MeCl_2$ lot 33316

US 5.25.94 — NDMA$_{d6}$ @ 1000 ppm

(5.25.94) NDMA$_{d6}$ @ 1000 ppm — 200 µl
up to 10 mL in $MeCl_2$ lot 33316

PRIVILEGED AND CONFIDENTIAL
ATTORNEY WORK PRODUCT

MSD
0.1 g — MD-2937
N-NITROSODIMETHYL-d_6-AMINE
(99.8 atom % D)
Lot No. 3414-P
MSD ISOTOPES

WARNING — CAS 62-75-9
HIGHLY TOXIC — LD_{50} = 28 mg/kg
CANCER SUSPECT
COMBUSTIBLE
Reacts with oxidizing/reducing agents
MSD ISOTOPES MSDS No. 9220

000083

5/27/97

Parent	Parent Conc	aliquot	F. vol.	F. Conc
Arochlor	1000 µg/ml	100 µl	10 ml	10 µg/ml

08 Sept 97 PB Surrogate Spike @ 0.2 ug/mL CSP
2.5 mL 8080 Surr (4/14/97) into 25 mL Acetone

08 Sept 97 Benomyl lot #81830 CSP
0.010 gram/10 mL Methanol.

(1625 I.S.)

SEPT. 10, 1997 2,2'-Difluorobiphenyl 10,000 ppm

M.G. 0.2501 g 2,2'-Difluorobiphenyl (PFALTZ + BAUER LOT # 042605)
DISOLVED IN BENZENE (E.M. Sci LOT # 35114)
THEN BROUGHT TO 25.0 mL IN A VOLUMETRIC FLASK WITH 2,2,4-Trimethylpentane (E M Sci LOT 32365) (~50:50)

FINAL VOL = 25.0 ml FINAL CONC = 10000 µg/mL

1/21/98 1625 ICAL STD'S

M.G.

Conc (µg/mL)	(µL) LABEL	(µL) UNLABEL	(µL) I.S.	(µL) DFTPP
200	250	250	5	1
100	250	125	5	1
50	250	62.5	5	1
20	250	25.0	5	1
10	250	12.5	5	1

DILUTED TO A FINAL VOL. OF 0.5 mL WITH $MeCl_2$ (E.M. Sci LOT 37254)

Where:

LABEL = 200 µg/mL SCC LABELS, 1/19/98, M.G.

UNLABEL = 400 µg/mL UNLABELED, 1/20/98, M.G.

I.S. = 10000 µg/mL 1625 I.S., 9/10/97, M.G.

DFTPP = SUPELCO LOT LA18741, 25000 µg/mL

~~1/21/98~~

2/2/98 N-Nitrosodimethylamine-d6 20 µg/mL

M.G.

1.000 mL OF 1000 µg/mL N-Nitrosodimethylamine-d6 (G.S. 5/25/94, 1000 µg/mL) DILUTED TO 50.0 mL IN A VOLUMETRIC FLASK w/ ACETONE (EM Sci LOT # 37197)

FINAL CONC = 20 µg/mL F.V. = 50.0 mL

2/2/98 N-Nitrosodimethylamine STOCK 1000 µg/mL

M.G.

0.100 g N-Nitrosodimethylamine (ALDRICH LOT # 06582TT) DILUTED TO 100.0 mL IN A VOLUMETRIC FLASK w/ACETONE (EM Sci LOT 37197)

FINAL CONC = 1000 µg/mL FV = 100.0 mL

05/05/98 1625 ICAL STD'S

MG.

CONC (µg/L)	(µL) LABEL	(µL) UNLABEL	(µL) I.S.	(µL) DFTPP
200	250	250	5	1
100	250	125	5	1
50	250	62.5	5	1
20	250	25.0	5	1
10	250	12.5	5	1

Where LABEL = 200 µg/mL SCC LABELS, 4/6/98, M.G.
UNLABEL = 400 µg/mL UNLABELED, 4/6/98, M.G.
I.S. = 10000 µg/mL 1625 I.S. 9/10/97, M.G.
DFTPP = SUPELCO LOT LA 18741, 25000 µg/mL

DILUTED TO A FINAL VOLUME OF 0.5 mL WITH MeCl2 (EM SCI. LOT 38071)

05/12/98 NNDMA STD'S goes with set on 2-9-98

MG.

CONC (µg/mL)	(µL) NATIVE	(µL) LABEL	(µL) I.S.
1.00	1	50	10
10.00	5	50	10
0.02	*20	50	10

where NATIVE = NNDMA 1000 µg/mL, 2/2/98, M.G.
* NATIVE = NNDMA WORKING STD 1.0 µg/mL, 2/9/98, M.G.
LABEL = NNDMA-d6 20 µg/mL, 2/2/98, M.G.
I.S. = MILK INT. STD. 100 µg/mL, 1/8/98, M.G.

5/18/98 NNDMA INT. STD. 100 µg/mL

MG.

0.100 mL 1625 I.S. (10000 µg/mL, 9/10/97 M.G)

DILUTED IN A VOLUMETRIC FLASK WITH BENZENE (BAKER LOT C51712) TO 10.0 mL

FV = 10.0 mL FINAL CONC = 100 µg/mL

5/18/98 NNDMA WORKING STD 1.0 µg/mL
M.G. ~~0.100 mL of~~

0.010 mL OF N-Nitrosodimethylamine STOCK
(1000 µg/mL, 2/2/98, M.G.)
DILUTED TO 10.0 mL IN A VOLUMETRIC FLASK
WITH $MeCl_2$ (EM Sci LOT 38090)
FV = 10.0 mL FINAL CONC = 1.0 µg/mL

~~5/18/98~~ NNDMA ICAL STD'S
M.G.

	(µg/mL) CONC	(µL) NATIVE	(µL) LABEL	(µL) I.S.
5/19/98	0.01	10	50	10
	0.02	20	50	10
	0.05	50	50	10
	0.10	100	50	10
	0.50	500	50	10
	1.00	1000	50	10

Where: NATIVE = NNDMA WORKING STD (1.0 µg/mL 5/18/98, M.G.)
LABEL = N-NDMA-d6 (20 µg/mL, 2/2/98, M.G.)
I.S. = NNDMA INT STD (100 µg/mL, 5/18/98, M.G.)
DILUTED (OR BLOWN DOWN) TO 1.0 mL w/ $MeCl_2$
(EM Sci LOT: 38090)

MONTGOMERY WATSON LABORATORIES

September 15, 1998

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

Attention: Mark Cutler

Re: Report # 45563 (MW-983-096, -097, -038, -005, -072, -071)

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):
(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used are 70-130. All data is acceptable.
(@EBASVOA) QC batch 81648 analyzed 7/31/98: The MSD for Benzene exceeds the MWL acceptance limits of 70-130% at 131.2%. The RPD with the MS is acceptable. The LCS and Method Blank are acceptable. The sample used for the MS/MSD is not a part of this report group. There is no qualification required for reported data. All data is acceptable.

Samples requiring dilution (with increased MRL's):
Diluted for Anions: MW-983-072

Method blanks with compounds detected:
None

Other Comments:
Cations are analyzed by EPA 200.7.
The ion balance exceeds QC criteria for sample ID: MW-983-038, -005, -072
Lead was detected in sample ID: MW-983-097
1,1-Dichloroethane was detected in sample ID: MW-983-071
Carbon Tetrachloride was detected in sample ID: MW-983-072, -071
Chloroform was detected in sample ID: MW-983-038, -005, -072, -071
Tetrachloroethylene was detected in sample ID: MW-983-072, -071
Trichloroethylene was detected in sample ID: MW-983-038, -005, -072, -071
Chromium was detected in sample ID: MW-983-072
Perchlorate as detected in sample ID: MW-983-005, -072, -071

TICS:
An unknown compound was detected at RT=3.89 in sample ID: MW-983-097
An unknown compound was detected at RT=7.15 in sample ID: MW-983-097

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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

Quality Environmental Analysis

Tue Sep 15 15:13:39 1998

```
1> select distinct group#, sample#, protocol_code
2> from results
3> where bulkqc# in (
4> select qc# from qchistory
5> where test_code='@EBASVOA'
6> and category_code='AASPKS'
7> and qc_found='0730105')
```

group#	sample#	protocol
45563	980729138	@EBASVOA
45564	980729139	@EBASVOA
45622	980730102	@EBASVOA
45622	980730103	@EBASVOA
45622	980730104	@EBASVOA
45622	980730105	@EBASVOA
45622	980730106	@EBASVOA
45622	980730107	@EBASVOA
45660	980731074	@EBASVOA
45660	980731075	@EBASVOA
45660	980731076	@EBASVOA
45660	980731077	@EBASVOA
45660	980731078	@EBASVOA
45660	980731079	@EBASVOA
45711	980803025	@EBASVOA
45711	980803026	@EBASVOA
45711	980803027	@EBASVOA
45711	980803028	@EBASVOA
45711	980803029	@EBASVOA
45711	980803030	@EBASVOA

(20 rows)
End of Request

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#007618-0003
Group#: 45563
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/29/98. 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
980729133	MW-983-096			Water			07/29/98
		@EBASVOA					
980729134	MW-983-097			Water			07/29/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI	
		CLO4					
980729135	MW-983-038			Water			07/29/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980729136	MW-983-005			Water			07/29/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980729137	MW-983-072			Water			07/29/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980729138	MW-983-071			Water			07/29/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI	
		CLO4					

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA	Calcium, Total, ICAP

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

Customer Code: ENSERCH
PO#: Sub PO#007618-0003
Group#: 45563
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
CATION1	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	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
NA	Sodium, Total, ICAP
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

NUMBER 2669

45563

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO: 1572.0250

PROJECT ADDRESS: 4800 OAK GROVE PASADENA CA

SAMPLER (Name): T BLANEY

SAMPLER (Signature): [illegible]

LABORATORY: MONTGOMERY WATSON

REPORTS TO BE SENT TO:

HAZARD IDENTIFICATION: Non Hazard ☑ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☑ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED: VOCs (8260); TOTAL Cr, Pb, Ni & TPH (modified); AN ions & TDS; Cr 6+; pH; Cr FOR Cr 6+

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SOIL	OTHER (Describe)	VOCs (8260)	Total Cr, Pb, Ni & TPH (modified)	AN ions & TDS	Cr 6+	pH	Cr FOR Cr 6+				
MW-983-096	0830	7/29/98	2	2x40ml	✓			X						980729133			
MW-983-017	0845	7/29/98	5	2x40ml, 1x250ml, 2x125ml	✓			✓	X		X	✓					
* MW-983-038	0935	7/29/98	6	2x40ml, 1x250ml, 1x500ml, 2x125ml	✓			✓	✓	✓	✓	✓					
MW-983-050	1200	7/29/98	6	2x40ml, 1x250ml, 1x500ml, 2x125ml	✓			✓	✓	✓	✓	✓	X				
MW-983-072	1345	7/29/98	6	2x40ml, 1x250ml, 1x500ml, 2x125ml	✓			✓	✓	✓	✓	✓					
MW-983-071	1445	7/29/98	5	2x40ml, 1x250ml, 2x125ml	X			✓	✓		✓	✓					

~~* Say MW-983-039 on samples~~ mc

LABORATORY INSTRUCTIONS/COMMENTS

LEVEL IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[illegible]	7/29/98	[illegible]			
COMPANY: FWEC	TIME: 1530	COMPANY: [illegible]	COMPANY	TIME	COMPANY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: ENSERCH Date Received: 7-29-98

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: 7-29-98
by (print) Mike Chhuang (sign) [signature]

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: Samples were in the custody of the Sampler until delivery to MWLS [illegible] personnel. 7/30/98 DEB
   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? Yes **No** → hard

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: _____(date)_____

B. LOG-IN PHASE: Date samples were logged-in: 7-29-98 by:
(print) M DE MESA (sign) [signature]

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? **Yes** No
    If NO, indicate descrepancies on back.

15. Were correct containers useed 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? **Yes** No
    If NO, list by sample id on back.

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

Report Summary of positive results, PR45563

		Result	MDL	UNITS
Analyzed	980729133 MW-983-096			
Analyzed	980729134 MW-983-097			
09/10/98	Lead, Total, ICAP/MS	2.3	2.000	UGL
Analyzed	980729135 MW-983-038			
07/31/98	Chloroform (Trichloromethane)	4.9	.500	UGL
07/31/98	Trichloroethylene (TCE)	1.0	.500	UGL
08/03/98	Alkalinity	150	2.000	MGL
08/04/98	Anion Sum	3.93	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	183	.001	MGL
08/20/98	Calcium, Total, ICAP	43	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.596	.001	MGL
08/23/98	Cation Sum	4.49	.001	MEQL
07/31/98	Chloride	9.1	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	130	******	UGL
07/30/98	Lab pH	7.7	.001	UNIT
08/20/98	Magnesium, Total, ICAP	17	.100	MGL
07/31/98	Nitrate-N by IC	0.9	.100	MGL
08/20/98	Potassium, Total, ICAP	2.9	1.000	MGL
08/20/98	Sodium, Total, ICAP	20	1.000	MGL
08/04/98	Specific Conductance	405	4.000	UMHO
07/31/98	Sulfate	29	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)	240	10.000	MGL
Analyzed	980729136 MW-983-005			
07/31/98	Chloroform (Trichloromethane)	0.9	.500	UGL
07/31/98	Trichloroethylene (TCE)	1.7	.500	UGL
08/03/98	Alkalinity	150	2.000	MGL
08/04/98	Anion Sum	4.03	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	183	.001	MGL
08/20/98	Calcium, Total, ICAP	49	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.376	.001	MGL
08/23/98	Cation Sum	4.59	.001	MEQL
07/31/98	Chloride	9.3	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	470	******	UGL
07/30/98	Lab pH	7.5	.001	UNIT
08/20/98	Magnesium, Total, ICAP	16	.100	MGL
07/31/98	Nitrate-N by IC	1.4	.100	MGL
08/05/98	Perchlorate	20	4.000	UGL
08/20/98	Potassium, Total, ICAP	3.1	1.000	MGL
08/20/98	Sodium, Total, ICAP	17	1.000	MGL
08/04/98	Specific Conductance	415	4.000	UMHO
07/31/98	Sulfate	32	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)	250	10.000	MGL
Analyzed	980729137 MW-983-072			
07/31/98	Carbon Tetrachloride	1.5	.500	UGL
07/31/98	Chloroform (Trichloromethane)	2.0	.500	UGL
07/31/98	Tetrachloroethylene (PCE)	0.8	.500	UGL
07/31/98	Trichloroethylene (TCE)	3.0	.500	UGL

08/03/98	Alkalinity	155	2.000	MGL
08/04/98	Anion Sum	7.69	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	189	.001	MGL
08/20/98	Calcium, Total, ICAP	89	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.123	.001	MGL
08/23/98	Cation Sum	8.40	.001	MEQL
07/31/98	Chloride	78	2.000	MGL
09/02/98	Chromium, Total, ICAP/MS	11	10.000	UGL
09/02/98	Iron, Total, ICAP/MS	3300	******	UGL
07/30/98	Lab pH	7.0	.001	UNIT
08/20/98	Magnesium, Total, ICAP	31	.100	MGL
07/31/98	Nitrate-N by IC	8.7	.200	MGL
08/05/98	Perchlorate	29	4.000	UGL
08/20/98	Potassium, Total, ICAP	3.5	1.000	MGL
08/20/98	Sodium, Total, ICAP	30	1.000	MGL
08/04/98	Specific Conductance	785	4.000	UMHO
07/31/98	Sulfate	85	4.000	MGL
08/05/98	Total Dissolved Solid (TDS)	470	10.000	MGL

Analyzed 980729138 MW-983-071

07/31/98	1,1-Dichloroethane	0.5	.500	UGL
07/31/98	Carbon Tetrachloride	1.4	.500	UGL
07/31/98	Chloroform (Trichloromethane)	1.8	.500	UGL
07/31/98	Tetrachloroethylene (PCE)	0.7	.500	UGL
07/31/98	Trichloroethylene (TCE)	2.9	.500	UGL
08/05/98	Perchlorate	29	4.000	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
SEP 14 1998
DEB* Debbie Frank

Report#: 45563
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 #45563

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

Samples Received
29-jul-1998 16:09:01

MW-983-096 (980729133) Sampled on 07/29/98

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/31/98	81647	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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
#45563

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/31/98	81647	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81647	(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	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-097 (980729134) Sampled on 07/29/98								
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	08/04/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/29/98	81640	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.3	ug/l	2.0	1
				Regulated VOCs plus Lists 1&3				
	07/31/98	81647	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(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
	07/31/98	81647	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown RT=3.89	2.6	ug/L		1
			(EPA 524.2)	Unknown RT=7.15	1.3	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

MW-983-038 (980729135) Sampled on 07/29/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	3.93	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	43	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.49	meq/l	0.0010	1
	07/31/98	81726	(ML/EPA 300)	Chloride	9.1	mg/l	1.0	1
	08/05/98	81896	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.596	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/29/98	81640	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81671	(ML/S2510B)	Specific Conductance	405	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	2.9	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	17	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	20	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	0.9	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/30/98	81454	(ML/SM 4500H)	Lab pH	7.7	Units	0.0010	1
	07/31/98	81730	(ML/EPA 300.0)	Sulfate	29	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1

Regulated VOCs plus Lists 1&3

	07/31/98	81647	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichloropropane	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
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.9	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Naphthalene	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
	07/31/98	81647	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.0	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	92	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-983-005 (980729136) Sampled on 07/29/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	4.03	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	49	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.59	meq/l	0.0010	1
	07/31/98	81726	(ML/EPA 300)	Chloride	9.3	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	20	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.376	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/29/98	81640	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81671	(ML/S2510B)	Specific Conductance	415	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	470	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.1	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	16	mg/l	0.10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	17	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	1.4	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/30/98	81454	(ML/SM 4500H)	Lab pH	7.5	Units	0.0010	1
	07/31/98	81730	(ML/EPA 300.0)	Sulfate	32	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	250	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/31/98	81647	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/31/98	81647	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.9	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.7	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81647	(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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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-072 (980729137) Sampled on 07/29/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	08/04/98		(ML/SM1040)	Anion Sum	7.69	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	89	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	8.40	meq/l	0.0010	1
	07/31/98	81726	(ML/EPA 300)	Chloride	78	mg/l	2.0	2
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	29	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.123	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	11	ug/l	10	1
	07/29/98	81640	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81671	(ML/S2510B)	Specific Conductance	785	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	3300	ug/l	100	5
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.5	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	31	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	30	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	8.7	mg/l	0.20	2
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/30/98	81454	(ML/SM 4500H)	Lab pH	7.0	Units	0.0010	1
	07/31/98	81730	(ML/EPA 300.0)	Sulfate	85	mg/l	4.0	2
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	470	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/31/98	81647	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(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
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81647	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Carbon Tetrachloride	1.5	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.0	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(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
	07/31/98	81647	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.8	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.0	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81647	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81647	(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	93	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

MW-983-071 (980729138) Sampled on 07/29/98

08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	29	ug/l	4.0	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/29/98	81640	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

Regulated VOCs plus Lists 1&3

	07/31/98	81648	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethane	0.5	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Carbon Tetrachloride	1.4	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.8	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.7	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.9	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81648	(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	84	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Laboratory QC Report #45563

Foster Wheeler Environmental, Inc

QC Batch #81454 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0729137		(0.00 - 0.00)	

QC Batch #81640 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	80729136		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0503	100.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0515	103.0	(78.00 - 118.00)	2.4
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0515	103.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0528	105.6	(80.00 - 120.00)	2.5

QC Batch #81647 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	8	9.05	113.1	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.98	112.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	9.19	114.9	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	8.93	111.6	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.48	118.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.15	114.4	(70.00 - 130.00)	3.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	9.23	115.4	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				

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

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LCS1	1,2-Dichloroethane	8	9.40	117.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	9.39	117.4	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.95	111.9	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.11	113.9	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Benzene	8	9.89	123.6	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	9.90	123.8	(70.00 - 130.00)	
MSD	Benzene	8	9.86	123.2	(70.00 - 130.00)	0.40
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	9.82	122.8	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	9.47	118.4	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	8.96	112.0	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.44	118.0	(70.00 - 130.00)	5.2
LCS1	Carbon Tetrachloride	8	8.59	107.4	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	8.38	104.8	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	9.10	113.8	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				

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

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MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	8.64	108.0	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	8.47	105.9	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	9.47	118.4	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	9.45	118.1	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	3.74	93.5	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	18.9	118.1	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	9.26	115.8	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.74	109.2	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	9.29	116.1	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.43	117.9	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	102	102.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	94	94.0		
MS	1,2-dichloroethane-d4	100	105	105.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	108	108.0	(80.00 - 120.00)	2.8
LCS1	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	99	99.0		

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MS	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	102	102.0	(80.00 - 120.00)	2.0
LCS1	4-Bromofluorobenzene	100	105	105.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	107	107.0		
MS	4-Bromofluorobenzene	100	102	102.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	104	104.0	(80.00 - 120.00)	1.9
LCS1	trans-1,2-Dichloroethylene	8	9.56	119.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	9.36	117.0	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.19	114.9	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.55	119.4	(70.00 - 130.00)	3.8
LCS1	Trichlorotrifluoroethane(Freon	4	4.25	106.2	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	9.92	124.0	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.55	119.4	(70.00 - 130.00)	
MSD	Toluene	8	9.57	119.6	(70.00 - 130.00)	0.21
LCS1	Vinyl chloride (VC)	4	3.70	92.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #81648 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	8	9.05	113.1	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.98	112.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	9.19	114.9	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	8.93	111.6	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	

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MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.77	122.1	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	1.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	9.23	115.4	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	9.40	117.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	9.39	117.4	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.95	111.9	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.11	113.9	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0730105		(0.00 - 0.00)	
LCS1	Benzene	8	9.89	123.6	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	10.4	130.0	(70.00 - 130.00)	
MSD	Benzene	8	10.5	131.2	(70.00 - 130.00)	0.96
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	9.82	122.8	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	9.47	118.4	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	9.53	119.1	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.80	122.5	(70.00 - 130.00)	2.8

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LCS1	Carbon Tetrachloride	8	8.59	107.4	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	Bromoform	8	8.38	104.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
LCS1	Chloroform (Trichloromethane)	8	9.10	113.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Bromochloromethane	ND			
MBLK	Chloroethane	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	8	8.64	108.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	8	8.47	105.9	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	8	9.47	118.4	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	8	9.45	118.1	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	4	3.74	93.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	16	18.9	118.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	Naphthalene	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
LCS1	o-Xylene	8	9.26	115.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.74	109.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	Tetrachloroethylene (PCE)	8	9.29	116.1	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
MBLK	p-Isopropyltoluene	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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Foster Wheeler Environmental, Inc
(continued)

MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.43	117.9	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	102	102.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	94	94.0		
MS	1,2-dichloroethane-d4	100	103	103.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 120.00)	2.9
LCS1	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	99	99.0		
MS	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	95	95.0	(80.00 - 120.00)	2.1
LCS1	4-Bromofluorobenzene	100	105	105.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	107	107.0		
MS	4-Bromofluorobenzene	100	96	96.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	100	100.0	(80.00 - 120.00)	4.1
LCS1	trans-1,2-Dichloroethylene	8	9.56	119.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	9.36	117.0	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.56	119.5	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.72	121.5	(70.00 - 130.00)	1.7
LCS1	Trichlorotrifluoroethane(Freon	4	4.25	106.2	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	9.92	124.0	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.96	124.5	(70.00 - 130.00)	
MSD	Toluene	8	9.66	120.8	(70.00 - 130.00)	3.1
LCS1	Vinyl chloride (VC)	4	3.70	92.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

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Laboratory
QC Report
#45563

Foster Wheeler Environmental, Inc
(continued)

QC Batch #81671 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0730107		(0.00 - 0.00)	

QC Batch #81726 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0729135		(0.00 - 0.00)	
LCS1	Chloride	25	26	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(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 #81729 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0729135		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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 #81730 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0729135		(0.00 - 0.00)	
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				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Sulfate	50	54	108.0	(80.00 - 120.00)	
MSD	Sulfate	50	54	108.0	(80.00 - 120.00)	0.00

QC Batch #81896 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0723155		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.5	97.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.2	96.0	(90.00 - 110.00)	1.6
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	17.3	86.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	16.9	84.5	(75.00 - 125.00)	2.3

QC Batch #81899 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.4	97.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.9	99.5	(90.00 - 110.00)	2.5
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	1.0

QC Batch #81957 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0801045		(0.00 - 0.00)	
LCS1	Total Dissolved Solid (TDS)	175	164	93.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	672	96.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #82290 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0183	91.5	(85.00 - 115.00)	18
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0248	124.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0253	126.5	(85.00 - 115.00)	2.0

QC Batch #82722 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	0.00
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	53.5	107.0	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	52.5	105.0	(80.00 - 120.00)	1.9

QC Batch #82724 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	0.00
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.4	107.0	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.0	105.0	(80.00 - 120.00)	1.9

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

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Laboratory
QC Report
#45563

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82726 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	0.00
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	21.1	105.5	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	20.7	103.5	(70.00 - 130.00)	1.9

QC Batch #82728 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	50.7	101.4	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	50.8	101.6	(80.00 - 120.00)	0.20
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	50.5	101.0	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	49.7	99.4	(80.00 - 120.00)	1.6

QC Batch #82748 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.9	103.8	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	99.7	103.6	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.3	99.1	(80.00 - 120.00)	1.4

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

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Pasadena, California 91101
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #83408 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	92.9	93.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	1.5
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	92.4	92.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.1	98.0	(70.00 - 130.00)	6.0

QC Batch #83418 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	522	104.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	530	106.0	(85.00 - 115.00)	1.5
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	478	95.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	502	100.4	(70.00 - 130.00)	4.9

QC Batch #83810 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	20.0	100.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.8	104.0	(85.00 - 115.00)	3.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.8	104.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	22.8	114.0	(70.00 - 130.00)	9.2

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

September 15, 1998

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

Attention: Mark Cutler

Re: Report # 45622 (MW-983-099, -100, -068, -069, -070, -073)

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):

(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used are 70-130. All data is acceptable.

(@EBASVOA) QC batch 81648 analyzed 7/31/98: The MSD for Benzene exceeds the MWL acceptance limits of 70-130% at 131.2%. The RPD with the MS is acceptable. The LCS and Method Blank are acceptable. The sample used for the MS/MSD is your sample ID: MW-983-069. There is no detect for Benzene in this sample. There is no qualification required for reported data. All data is acceptable. QC batch 82045 analyzed 8/5/98 is batched with the same MS/MSD sample ID: MW-983-069, which is acceptable for batches defined as <20 samples (QAPP Section 7.0, Rev 3, 2/10/98, page 34 of 64). It is given a new QC batch number due to the new LCS and Method Blank run for that day's analysis per the method requirement (EPA 524.2).

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Cations are analyzed by EPA 200.7.

The ion balance exceeds QC criteria for sample ID: MW-983-068, -069, -070, -073

Arsenic was detected in sample ID: MW-983-068

Lead was detected in sample ID: MW-983-069

Dichloromethane was detected in sample ID: MW-983-070, -073

The laboratory was experiencing inconsistent contamination with this compound at the time of this analysis. It is the opinion of Montgomery Watson Laboratories that this detect is due to laboratory contamination, even though it is not detected in the Method Blank associated with these samples.

The sample ID for MW-983-099 was listed as -098 on the sample containers. After confirmation with Tom Blaney, MWL logged the sample as MW-983-099 per the COC.

TICS:

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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

Quality Environmental Analysis

___ Tue Sep 15 15:13:39 1998 _____

```
  1> select distinct group#, sample#, protocol_code
  2> from results
  3> where bulkqc# in (
  4> select qc# from qchistory
  5> where test_code='@EBASVOA'
  6> and category_code='AASPKS'
  7> and qc_found='0730105')
```

group#	sample#	protocol
45563	980729138	@EBASVOA
45564	980729139	@EBASVOA
45622	980730102	@EBASVOA
45622	980730103	@EBASVOA
45622	980730104	@EBASVOA
45622	980730105	@EBASVOA
45622	980730106	@EBASVOA
45622	980730107	@EBASVOA
45660	980731074	@EBASVOA
45660	980731075	@EBASVOA
45660	980731076	@EBASVOA
45660	980731077	@EBASVOA
45660	980731078	@EBASVOA
45660	980731079	@EBASVOA
45711	980803025	@EBASVOA
45711	980803026	@EBASVOA
45711	980803027	@EBASVOA
45711	980803028	@EBASVOA
45711	980803029	@EBASVOA
45711	980803030	@EBASVOA

(20 rows)
End of Request

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 626-568-6400/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#007618-0003
Group#: 45622
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/30/98. 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
980730102	MW-983-099						Water	07/30/98
		@EBASVOA						
980730103	MW-983-100						Water	07/30/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI		
		CLO4						
980730104	MW-983-068						Water	07/30/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS		
		CATION1	ANION1	PH	EC	HCO3	CO3	
		ALK	NO3	SO4	CL	FE-MS	K	
		NA	MG	CA	CR-VI	CLO4		
980730105	MW-983-069						Water	07/30/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS		
		CATION1	ANION1	PH	EC	HCO3	CO3	
		ALK	NO3	SO4	CL	FE-MS	K	
		NA	MG	CA	CR-VI	CLO4		
980730106	MW-983-070						Water	07/30/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS		
		CATION1	ANION1	PH	EC	HCO3	CO3	
		ALK	NO3	SO4	CL	FE-MS	K	
		NA	MG	CA	CR-VI	CLO4		
980730107	MW-983-073						Water	07/30/98
		@EBASVOA	CLO4	CR-VI	CA	MG		
		NA	K	FE-MS	CL	SO4	NO3	
		ALK	CO3	HCO3	EC	PH	ANION	
		CATION1	TDS	PB-MS	AS-GF	CR-MS		

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum

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

Customer Code: ENSERCH
PO#: Sub PO#007618-0003
Group#: 45622
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
AS-GF	Arsenic, Total, GF
CA	Calcium, Total, ICAP
CATION1	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	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
NA	Sodium, Total, ICAP
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

45622

NUMBER 2666

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO: [illegible]

PROJECT ADDRESS: 4800 OAK GROVE DRIVE PASADENA CA

SAMPLER (Name): [illegible]

SAMPLER (Signature): [illegible]

LABORATORY: M Tomorry Watson

REPORTS TO BE SENT TO: Mark [illegible] says 098 on samples *

HAZARD IDENTIFICATION: Non Hazard ☒ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☒ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SOIL	OTHER (Describe)	VOC (524.2)	Total Cr As Pb metals (6010/7000)	Anion + TD	Cr+6	CLO4	MS FOR VOCs	MSD FOR VOCs	MS/MSD FOR METALS	QC FOR Cr+6
MW-183-099	0820	7/30/98	2	2x40 ml	X		980730102	X								
MW-183-100	0830	7/30/98	3	2x40 1x250 2x125	X		103	X	X		X	X				
MW-183-068	0845	7/30/98	6	2x40 1x250 1x500 2x125	X		104	X	X	X	X	X				X
MW-183-061	1020	7/30/98	6	2x40 2x500 2x125	X		105	X	X	X	X	X			X	
MW-183-061MS	1020	7/30/98	2	2x40 ml	X								X			
MW-183-061MSD	1020	7/30/98	2	2x40 ml	X									X		
MW-183-070	1130	7/30/98	6	2x40 1x250 1x500 2x125	X		106	X	X	X	X	X				
MW-183-073	1220	7/30/98	6	2x40 1x250 1x500 2x125	X		107	X	X	X	X	X				
END																

* Sample ID should be 099 per T. Blaney 8/1/98. Analyst informed to make correction to BAlle ID to -099 as per COC

COL/DEB 8/1/98 DEB 8/1/98

LABORATORY INSTRUCTIONS/COMMENTS

Level IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[illegible]	7/30/98				
COMPANY: Fwenc	TIME: 1515	COMPANY	COMPANY	TIME	COMPANY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: Enserch Date Received: 7/30/98

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: 7/30/98

by (print) Vyay Nepam (sign) Vyay Nepam

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: 2
   If Yes, enter the following: seal date: 7/30/98 seal name: TPB

3. Were custody seals unbroken & intact at delivery? (Yes) ~~No~~ VKM

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

5. Were custody papers filled out properly (ink, etc.) VKM ~~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: 7-30-98 (date) TMD

B. LOG-IN PHASE: Date samples were logged-in: 7-30-98 by:
   (print) M. de Musso (sign) [illegible]

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? Yes (No)
    If NO, indicate descrepancies on back.

COC for MW-983-099 Bottle ID MW-983-098 099 Correct per T. Blaney 8.1.98

15. Were correct containers useed 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? (Yes) No
    If NO, list by sample id on back.

19. Was Client Services informed of problems? (Yes) ~~No~~ VKM

Report Summary of positive results, PR45622

			Result	MDL	UNITS
Analyzed	980730102	MW-983-099			
Analyzed	980730103	MW-983-100			
Analyzed	980730104	MW-983-068			
08/03/98	Alkalinity		170	2.000	MGL
08/12/98	Anion Sum		4.11	.001	MEQL
08/11/98	Arsenic, Total, GF		0.0051	.005	MGL
08/03/98	Bicarbonate as HCO3,calculated		207	.001	MGL
08/20/98	Calcium, Total, ICAP		38	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		1.07	.001	MGL
08/23/98	Cation Sum		4.44	.001	MEQL
07/31/98	Chloride		8.8	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		1000	******	UGL
08/01/98	Lab pH		7.9	.001	UNIT
08/20/98	Magnesium, Total, ICAP		10	.100	MGL
07/31/98	Nitrate-N by IC		1.2	.100	MGL
08/20/98	Potassium, Total, ICAP		2.5	1.000	MGL
08/20/98	Sodium, Total, ICAP		38	1.000	MGL
08/04/98	Specific Conductance		405	4.000	UMHO
07/31/98	Sulfate		18	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)		250	10.000	MGL
Analyzed	980730105	MW-983-069			
08/03/98	Alkalinity		155	2.000	MGL
08/12/98	Anion Sum		3.99	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		189	.001	MGL
08/20/98	Calcium, Total, ICAP		33	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		1.23	.001	MGL
08/23/98	Cation Sum		4.49	.001	MEQL
07/31/98	Chloride		15	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		100	******	UGL
08/01/98	Lab pH		8.0	.001	UNIT
09/10/98	Lead, Total, ICAP/MS		7.3	2.000	UGL
08/20/98	Magnesium, Total, ICAP		11	.100	MGL
07/31/98	Nitrate-N by IC		4.4	.100	MGL
08/20/98	Potassium, Total, ICAP		2.4	1.000	MGL
08/20/98	Sodium, Total, ICAP		43	1.000	MGL
08/04/98	Specific Conductance		410	4.000	UMHO
07/31/98	Sulfate		7.3	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)		240	10.000	MGL
Analyzed	980730106	MW-983-070			
07/31/98	Dichloromethane		1.0	.500	UGL
08/03/98	Alkalinity		140	2.000	MGL
08/12/98	Anion Sum		4.14	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		170	.001	MGL
08/20/98	Calcium, Total, ICAP		34	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		1.75	.001	MGL
08/23/98	Cation Sum		4.57	.001	MEQL
07/31/98	Chloride		23	1.000	MGL

08/01/98	Lab pH	8.2	.001	UNIT
08/20/98	Magnesium, Total, ICAP	15	.100	MGL
07/31/98	Nitrate-N by IC	6.4	.100	MGL
08/20/98	Potassium, Total, ICAP	2.6	1.000	MGL
08/20/98	Sodium, Total, ICAP	36	1.000	MGL
08/04/98	Specific Conductance	420	4.000	UMHO
07/31/98	Sulfate	11	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)	240	10.000	MGL

Analyzed 980730107 MW-983-073

07/31/98	Dichloromethane	3.4	.500	UGL
08/03/98	Alkalinity	150	2.000	MGL
08/12/98	Anion Sum	3.81	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	183	.001	MGL
08/20/98	Calcium, Total, ICAP	45	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.188	.001	MGL
08/23/98	Cation Sum	4.44	.001	MEQL
07/31/98	Chloride	5.2	1.000	MGL
08/01/98	Lab pH	7.2	.001	UNIT
08/20/98	Magnesium, Total, ICAP	15	.100	MGL
07/31/98	Nitrate-N by IC	1.4	.100	MGL
08/20/98	Potassium, Total, ICAP	3.3	1.000	MGL
08/20/98	Sodium, Total, ICAP	20	1.000	MGL
08/04/98	Specific Conductance	390	4.000	UMHO
07/31/98	Sulfate	27	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)	230	10.000	MGL

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON
SEP 14 1998
DEB* Debbie Frank

Report#: 45622
JPL

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Report
Comments
#45622

(980730106)
@EBASVOA
Sample reanalyzed twice and the result of methylene chloride are inconsistent.

(980730107)
@EBASVOA
Sample reanalyzed twice and the results for methylene chloride are inconsistent.

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Laboratory Report #45622

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

Samples Received
30-jul-1998 15:50:26

MW-983-099 (980730102) Sampled on 07/30/98

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/05/98	82045	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/05/98	82045	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/05/98	82045	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#45622

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/05/98	82045	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/05/98	82045	(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	96	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-100 (980730103) Sampled on 07/30/98								
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/30/98	81641	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/31/98	81648	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81648	(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	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	100	% Rec		
MW-983-068 (980730104) Sampled on 07/30/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	08/12/98		(ML/SM1040)	Anion Sum	4.11	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	0.0051	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	38	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.44	meq/l	0.0010	1
	07/31/98	81726	(ML/EPA 300)	Chloride	8.8	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.07	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/30/98	81641	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81671	(ML/S2510B)	Specific Conductance	405	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1000	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	2.5	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	10	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	38	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/01/98	81633	(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	07/31/98	81730	(ML/EPA 300.0)	Sulfate	18	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	250	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/31/98	81648	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81648	(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	96	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

MW-983-069 (980730105) Sampled on 07/30/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	08/12/98		(ML/SM1040)	Anion Sum	3.99	meq/l	0.0010	1
08/06/98	08/11/98	82290	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	33	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.49	meq/l	0.0010	1
	07/31/98	81726	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.23	mg/l	0.0010	1
08/06/98	09/02/98	83408	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/30/98	81641	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81671	(ML/S2510B)	Specific Conductance	410	umho/cm	4.0	1
08/07/98	09/02/98	83418	(EPA/ML 200.8)	Iron, Total, ICAP/MS	100	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	2.4	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	11	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	43	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	4.4	mg/l	0.10	1
08/06/98	09/10/98	83810	(EPA/ML 200.8)	Lead, Total, ICAP/MS	7.3	ug/l	2.0	1
	08/01/98	81633	(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	07/31/98	81730	(ML/EPA 300.0)	Sulfate	7.3	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/31/98	81648	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81648	(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	94	% 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-983-070 (980730106) Sampled on 07/30/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	08/12/98		(ML/SM1040)	Anion Sum	4.14	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	34	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.57	meq/l	0.0010	1
	07/31/98	81727	(ML/EPA 300)	Chloride	23	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.75	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/30/98	81641	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81671	(ML/S2510B)	Specific Conductance	420	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	170	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	2.6	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	15	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	36	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	6.4	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/01/98	81633	(ML/SM 4500H)	Lab pH	8.2	Units	0.0010	1
	07/31/98	81731	(ML/EPA 300.0)	Sulfate	11	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	240	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	07/31/98	81648	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichloromethane	1.0	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	104	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-983-073 (980730107) Sampled on 07/30/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	08/12/98		(ML/SM1040)	Anion Sum	3.81	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	45	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.44	meq/l	0.0010	1
	07/31/98	81727	(ML/EPA 300)	Chloride	5.2	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.188	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/30/98	81641	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81671	(ML/S2510B)	Specific Conductance	390	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.3	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	15	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	20	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	1.4	mg/l	0.10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/01/98	81633	(ML/SM 4500H)	Lab pH	7.2	Units	0.0010	1
	07/31/98	81731	(ML/EPA 300.0)	Sulfate	27	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	230	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/31/98	81648	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/31/98	81648	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/31/98	81648	(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
	07/31/98	81648	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichloromethane	3.4	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/31/98	81648	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/31/98	81648	(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	92	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Laboratory QC Report #45622

Foster Wheeler Environmental, Inc

QC Batch #81633 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0730200		(0.00 - 0.00)	

QC Batch #81641 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	80730103		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0504	100.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0504	100.8	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0504	100.8	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0491	98.2	(80.00 - 120.00)	2.6

QC Batch #81648 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	8	9.05	113.1	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.98	112.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	9.19	114.9	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	8.93	111.6	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.77	122.1	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	1.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	9.23	115.4	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				

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LCS1	1,2-Dichloroethane	8	9.40	117.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	9.39	117.4	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.95	111.9	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.11	113.9	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0730105		(0.00 - 0.00)	
LCS1	Benzene	8	9.89	123.6	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	10.4	130.0	(70.00 - 130.00)	
MSD	Benzene	8	10.5	131.2	(70.00 - 130.00)	0.96
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	9.82	122.8	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	9.47	118.4	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	9.53	119.1	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.80	122.5	(70.00 - 130.00)	2.8
LCS1	Carbon Tetrachloride	8	8.59	107.4	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	8.38	104.8	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	9.10	113.8	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				

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MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	8.64	108.0	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	8.47	105.9	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	9.47	118.4	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	9.45	118.1	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	3.74	93.5	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	18.9	118.1	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	9.26	115.8	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.74	109.2	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	9.29	116.1	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.43	117.9	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	102	102.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	94	94.0		
MS	1,2-dichloroethane-d4	100	103	103.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 120.00)	2.9
LCS1	Toluene-d8	100	100	100.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	99	99.0		

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MS	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	95	95.0	(80.00 - 120.00)	2.1
LCS1	4-Bromofluorobenzene	100	105	105.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	107	107.0		
MS	4-Bromofluorobenzene	100	96	96.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	100	100.0	(80.00 - 120.00)	4.1
LCS1	trans-1,2-Dichloroethylene	8	9.56	119.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	9.36	117.0	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.56	119.5	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.72	121.5	(70.00 - 130.00)	1.7
LCS1	Trichlorotrifluoroethane(Freon	4	4.25	106.2	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	9.92	124.0	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.96	124.5	(70.00 - 130.00)	
MSD	Toluene	8	9.66	120.8	(70.00 - 130.00)	3.1
LCS1	Vinyl chloride (VC)	4	3.70	92.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #81671 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0730107		(0.00 - 0.00)	

QC Batch #81726 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0729135		(0.00 - 0.00)	
LCS1	Chloride	25	26	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				

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MS	Chloride	25	27	108.0	(80.00 - 120.00)	
MSD	Chloride	25	27	108.0	(80.00 - 120.00)	0.00

QC Batch #81727 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(90.00 - 110.00)	3.9
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 #81729 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0729135		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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 #81730 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0729135		(0.00 - 0.00)	
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	54	108.0	(80.00 - 120.00)	
MSD	Sulfate	50	54	108.0	(80.00 - 120.00)	0.00

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QC Batch #81731 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
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	53	106.0	(80.00 - 120.00)	
MSD	Sulfate	50	53	106.0	(80.00 - 120.00)	0.00

QC Batch #81899 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.4	97.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.9	99.5	(90.00 - 110.00)	2.5
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	1.0

QC Batch #81957 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0801045		(0.00 - 0.00)	
LCS1	Total Dissolved Solid (TDS)	175	164	93.7	(85.00 - 115.00)	
LCS2	Total Dissolved Solid (TDS)	700	672	96.0	(85.00 - 115.00)	
MBLK	Total Dissolved Solid (TDS)	ND				

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QC Batch #82045 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	8	7.68	96.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	7.79	97.4	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	7.22	90.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	7.38	92.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	6.54	81.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.77	122.1	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	1.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.01	100.1	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	7.21	90.1	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	7.43	92.9	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.27	90.9	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	8.98	112.2	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				

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MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0730105		(0.00 - 0.00)	
LCS1	Benzene	8	7.85	98.1	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	10.4	130.0	(70.00 - 130.00)	
MSD	Benzene	8	10.5	131.2	(70.00 - 130.00)	0.96
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	7.18	89.8	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.44	105.5	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	9.53	119.1	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.80	122.5	(70.00 - 130.00)	2.8
LCS1	Carbon Tetrachloride	8	7.88	98.5	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	6.34	79.2	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	7.76	97.0	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	7.18	89.8	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	7.42	92.8	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	6.30	78.8	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.23	102.9	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	3.90	97.5	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				

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MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	17.0	106.2	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	8.06	100.8	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	7.87	98.4	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	8.04	100.5	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	8.17	102.1	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	95	95.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	99	99.0		
MS	1,2-dichloroethane-d4	100	103	103.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 120.00)	2.9
LCS1	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	104	104.0		
MS	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	95	95.0	(80.00 - 120.00)	2.1
LCS1	4-Bromofluorobenzene	100	107	107.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	103	103.0		
MS	4-Bromofluorobenzene	100	96	96.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	100	100.0	(80.00 - 120.00)	4.1
LCS1	trans-1,2-Dichloroethylene	8	6.99	87.4	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	7.62	95.2	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.56	119.5	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.72	121.5	(70.00 - 130.00)	1.7

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LCS1	Trichlorotrifluoroethane(Freon	4	4.79	119.8	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	8.19	102.4	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.96	124.5	(70.00 - 130.00)	
MSD	Toluene	8	9.66	120.8	(70.00 - 130.00)	3.1
LCS1	Vinyl chloride (VC)	4	3.90	97.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #82290 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0219	109.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0183	91.5	(85.00 - 115.00)	18
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0248	124.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0253	126.5	(85.00 - 115.00)	2.0

QC Batch #82334 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0186	93.0	(85.00 - 115.00)	2.1
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0255	127.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0233	116.5	(85.00 - 115.00)	9.0

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

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

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82722 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	0.00
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	53.5	107.0	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	52.5	105.0	(80.00 - 120.00)	1.9

QC Batch #82724 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	0.00
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.4	107.0	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.0	105.0	(80.00 - 120.00)	1.9

QC Batch #82726 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	0.00
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	21.1	105.5	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	20.7	103.5	(70.00 - 130.00)	1.9

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

MONTGOMERY WATSON LABORATORIES

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

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82728 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	50.7	101.4	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	50.8	101.6	(80.00 - 120.00)	0.20
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	50.5	101.0	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	49.7	99.4	(80.00 - 120.00)	1.6

QC Batch #82748 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.9	103.8	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	99.7	103.6	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.3	99.1	(80.00 - 120.00)	1.4

QC Batch #83408 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	92.9	93.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	94.3	94.3	(85.00 - 115.00)	1.5
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	92.4	92.4	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.1	98.0	(70.00 - 130.00)	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.

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

Foster Wheeler Environmental, Inc
(continued)

QC Batch #83409 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	93.5	94.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.3	98.0	(85.00 - 115.00)	5.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	96.2	96.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.4	99.0	(70.00 - 130.00)	3.3

QC Batch #83418 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	522	104.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	530	106.0	(85.00 - 115.00)	1.5
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	478	95.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	502	100.4	(70.00 - 130.00)	4.9

QC Batch #83419 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	545	109.0	(85.00 - 115.00)	7.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	0.00

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

MONTGOMERY WATSON LABORATORIES

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

Foster Wheeler Environmental, Inc
(continued)

QC Batch #83810 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	20.0	100.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.8	104.0	(85.00 - 115.00)	3.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.8	104.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	22.8	114.0	(70.00 - 130.00)	9.2

QC Batch #83811 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	22.0	110.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.5	107.5	(85.00 - 115.00)	2.3
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.7	103.5	(70.00 - 130.00)	7.0

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

September 18, 1998

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

Attention: Mark Cutler

Re: Report # 45660 (MW-983-101, -049, -048, -041, -065, -200)

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):

(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used are 70-130. All data is acceptable.

(@EBASVOA) QC batch 82045 analyzed 8/5/98: The MSD for Benzene exceeds the MWL acceptance limits of 70-130% at 131.2%. The RPD with the MS is acceptable. The LCS and Method Blank are acceptable. The sample used for the MS/MSD is not reported with this report group. There is no qualification required for reported data. All data is acceptable. QC batch 81648 analyzed 7/31/98 and 82310, analyzed 8/6/98, is batched with the same MS/MSD sample ID: MW-983-069, which is acceptable for batches defined as <20 samples (QAPP Section 7.0, Rev 3, 2/10/98, page 34 of 64). It is given a new QC batch number due to the new LCS and Method Blank run for that day's analysis per the method requirement (EPA 524.2). See the attached batch summary.

Samples requiring dilution (with increased MRL's):

Diluted for Trichloroethylene: MW-983-049, -048, -065
Diluted for Perchlorate: MW-983-041, -065
Diluted for Iron: MW-983-065
Diluted for Chloroform: MW-983-041
Diluted for Carbon Tetrachloride: MW-983-041, -065

Method blanks with compounds detected:

None

a Division of Montgomery Watson Americas, Inc.

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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

Quality Environmental Analysis

Other Comments:

Cations are analyzed by EPA 200.7.

The ion balance exceeds QC criteria for sample ID: MW-983-049, -041, -065

Dichloromethane was detected in sample ID: MW-983-049, -048, -041, -065

The laboratory was experiencing inconsistent contamination with this compound at the time of this analysis. It is the opinion of Montgomery Watson Laboratories that this detect is due to laboratory contamination, even though it is not detected in the Method Blank associated with these samples. See the Attached QIR GCMS-98-27 and -25

1,1,1-Trichloroethane was detected in sample ID: MW-983-048, -041

1,1-Dichloroehtylene was detected in sample ID: MW0983-049, -048, -041, -065

1,2-Dichloroethane was detected in sample ID: MW-983-041, -065

Carbon Tetrachloride was detected in sample ID: MW-983-049, -048, -041, -065

Chloroform was detected in sample ID: MW-983-049, -048, -041, -065

Tetrachloroethylene was detected in sample ID: MW-983-049, -048, -041, -065

Trichloroethylene was detected in sample ID: MW-983-049, -048, -041, -065

Trichlorotrifluoroethane was detected in sample ID: MW-983-049, -048, -041, -065

Chromium was detected in sample ID: MW-983-049, -048

Hexavalent chrome was detected in sample ID: MW-983-049, -048

Perchlorate was detected in sample ID: MW-983-049, -048, -041, -065

(NO3) MW-983-049 and -041 results reported were over linear range. These results were confirmed within linear range but outside of the regulatory HT. The original over range results, within HT, are reported and are flagged with an " E" .

TICS:

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 626-568-6400/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#007618-0003
Group#: 45660
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/31/98. 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
980731074	MW-983-101			Water			07/31/98
		@EBASVOA					
980731075	MW-983-049			Water			07/31/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980731076	MW-983-048			Water			07/31/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI	
		CLO4					
980731077	MW-983-041			Water			07/31/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980731078	MW-983-065			Water			07/31/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	AS-GF	CR-MS	
980731079	MW-983-200			Water			07/31/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI	
		CLO4					

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA	Calcium, Total, ICAP

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

Customer Code: ENSERCH
PO#: Sub PO#007618-0003
Group#: 45660
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
CATION1	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	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
NA	Sodium, Total, ICAP
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

NUMBER 2001

ASTeLeD

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL	OFS NO.: 1572 0150
PROJECT ADDRESS: 4800 Oak Grove, Pasadena CA	
SAMPLER (Name): [illegible]	SAMPLER (Signature):
LABORATORY: Montgomery Watson	
REPORTS TO BE SENT TO: [illegible]	

HAZARD IDENTIFICATION: Non Hazard ☒ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☒ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SOIL	OTHER (Describe)	VOCs (5030)	TOTAL Cr, Pb, Ni (Metals/Inorg. SW846)	ANIONS - DS	[illegible]	[illegible]	QC for Cr6				
MW-983-101	0745	7/31/98	2	2x40ml	✓		98073 1074	✓									
MW-983-049	0900	7/31/98	6	[illegible]	✓		75	✓	✓	✓	✓	✓	X				
MW-983-048	0910	7/31/98	5	[illegible]	✓		76	✓	✓		✓	✓	76				
MW-983-041	1125	7/31/98	6	[illegible]	✓		77	✓	✓	✓	✓	✓					
MW-983-065	1015	7/31/98	6	[illegible]	✓		78	✓	✓	✓	✓	✓					
MW-983-200	1015	7/31/98	5	2x40ml, 1x500ml, 2x125ml	✓		79	✓	✓		✓	✓					

LABORATORY INSTRUCTIONS/COMMENTS

Level IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[illegible]	7/31/98	[illegible]			
COMPANY: FWEnc	TIME: 1525	COMPANY: M. W	COMPANY	TIME	COMPANY

F-2

SHIPPING COPY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: ENSERCH Date Received: 7-31-98

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: 7-31-98
by (print) Mike Chhiang (sign) [signature]

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: 2 opening of cooler
   If Yes, enter the following: seal date: 7-31-98, seal name: TB

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

4. Were custody papers sealed in bag & taped to lid? Yes **No** → hand-c

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: _____(date)_____

B. LOG-IN PHASE: Date samples were logged-in: 7-31-98 by:
(print) MARTIN L. DE MESA (sign) [signature]

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? **Yes** No
    If NO, indicate descrepancies on back.

15. Were correct containers useed 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? **Yes** No
    If NO, list by sample id on back.

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

Report Summary of positive results, PR45660

			Result	MDL	UNITS
Analyzed	980731074	MW-983-101			
Analyzed	980731075	MW-983-049			
08/04/98	1,1-Dichloroethylene		1.1	.500	UGL
08/04/98	Carbon Tetrachloride		15	.500	UGL
08/04/98	Chloroform (Trichloromethane)		7.5	.500	UGL
08/04/98	Dichloromethane		0.5	.500	UGL
08/04/98	Tetrachloroethylene (PCE)		0.6	.500	UGL
08/04/98	Trichloroethylene (TCE)		29	1.000	UGL
08/04/98	Trichlorotrifluoroethane(Freon		0.7	.500	UGL
08/03/98	Alkalinity		155	2.000	MGL
08/09/98	Anion Sum		5.84	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		189	.001	MGL
08/20/98	Calcium, Total, ICAP		66	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		0.123	.001	MGL
08/23/98	Cation Sum		6.50	.001	MEQL
07/31/98	Chloride		26	1.000	MGL
09/02/98	Chromium, Total, ICAP/MS		25	10.000	UGL
07/31/98	Hexavalent chromium (Cr VI)		0.0234	.005	MGL
08/01/98	Lab pH		7.0	.001	UNIT
08/20/98	Magnesium, Total, ICAP		22	.100	MGL
07/31/98	Nitrate-N by IC		10E	.100	MGL
08/05/98	Perchlorate		57	4.000	UGL
08/20/98	Potassium, Total, ICAP		3.5	1.000	MGL
08/20/98	Sodium, Total, ICAP		30	1.000	MGL
08/04/98	Specific Conductance		595	4.000	UMHO
07/31/98	Sulfate		62	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)		390	10.000	MGL
Analyzed	980731076	MW-983-048			
08/04/98	1,1,1-Trichloroethane		0.5	.500	UGL
08/04/98	1,1-Dichloroethylene		1.2	.500	UGL
08/04/98	Carbon Tetrachloride		14	.500	UGL
08/04/98	Chloroform (Trichloromethane)		7.7	.500	UGL
08/04/98	Dichloromethane		1.0	.500	UGL
08/04/98	Tetrachloroethylene (PCE)		0.6	.500	UGL
08/04/98	Trichloroethylene (TCE)		28	1.000	UGL
08/04/98	Trichlorotrifluoroethane(Freon		0.7	.500	UGL
09/02/98	Chromium, Total, ICAP/MS		25	10.000	UGL
07/31/98	Hexavalent chromium (Cr VI)		0.0234	.005	MGL
08/05/98	Perchlorate		59	4.000	UGL
Analyzed	980731077	MW-983-041			
08/04/98	1,1,1-Trichloroethane		1.0	.500	UGL
08/04/98	1,1-Dichloroethylene		2.7	.500	UGL
08/04/98	1,2-Dichloroethane		0.8	.500	UGL
08/04/98	Carbon Tetrachloride		58	2.500	UGL
08/04/98	Chloroform (Trichloromethane)		23	2.500	UGL
08/04/98	Dichloromethane		0.6	.500	UGL
08/04/98	Tetrachloroethylene (PCE)		1.3	.500	UGL
08/04/98	Trichloroethylene (TCE)		19	.500	UGL
08/04/98	Trichlorotrifluoroethane(Freon		1.2	.500	UGL

08/03/98	Alkalinity	130	2.000	MGL
08/09/98	Anion Sum	5.06	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	159	.001	MGL
08/20/98	Calcium, Total, ICAP	54	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.103	.001	MGL
08/23/98	Cation Sum	5.73	.001	MEQL
07/31/98	Chloride	21	1.000	MGL
08/01/98	Lab pH	7.0	.001	UNIT
08/20/98	Magnesium, Total, ICAP	21	.100	MGL
07/31/98	Nitrate-N by IC	13E	.100	MGL
08/11/98	Perchlorate	420	80.000	UGL
08/20/98	Potassium, Total, ICAP	3.2	1.000	MGL
08/20/98	Sodium, Total, ICAP	28	1.000	MGL
08/04/98	Specific Conductance	535	4.000	UMHO
07/31/98	Sulfate	45	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)	350	10.000	MGL

Analyzed 980731078 MW-983-065

08/04/98	1,1-Dichloroethylene	0.9	.500	UGL
08/04/98	1,2-Dichloroethane	0.6	.500	UGL
08/04/98	Carbon Tetrachloride	43	2.500	UGL
08/04/98	Chloroform (Trichloromethane)	9.0	.500	UGL
08/04/98	Dichloromethane	1.0	.500	UGL
08/04/98	Tetrachloroethylene (PCE)	0.8	.500	UGL
08/04/98	Trichloroethylene (TCE)	19	2.500	UGL
08/04/98	Trichlorotrifluoroethane(Freon	3.4	.500	UGL
08/03/98	Alkalinity	140	2.000	MGL
08/06/98	Anion Sum	4.69	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	171	.001	MGL
08/20/98	Calcium, Total, ICAP	57	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.222	.001	MGL
08/23/98	Cation Sum	5.37	.001	MEQL
07/31/98	Chloride	22	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	2600	******	UGL
08/01/98	Lab pH	7.3	.001	UNIT
08/20/98	Magnesium, Total, ICAP	19	.100	MGL
07/31/98	Nitrate-N by IC	5.2	.100	MGL
08/11/98	Perchlorate	190	40.000	UGL
08/20/98	Potassium, Total, ICAP	3.5	1.000	MGL
08/20/98	Sodium, Total, ICAP	20	1.000	MGL
08/04/98	Specific Conductance	485	4.000	UMHO
07/31/98	Sulfate	48	2.000	MGL
08/05/98	Total Dissolved Solid (TDS)	300	10.000	MGL

Analyzed 980731079 MW-983-200

___ Tue Sep 15 15:13:39 1998 _____

```
  1> select distinct group#, sample#, protocol_code
  2> from results
  3> where bulkqc# in (
  4> select qc# from qchistory
  5> where test_code='@EBASVOA'
  6> and category_code='AASPKS'
  7> and qc_found='0730105')
```

group#	sample#	protocol
45563	980729138	@EBASVOA
45564	980729139	@EBASVOA
45622	980730102	@EBASVOA
45622	980730103	@EBASVOA
45622	980730104	@EBASVOA
45622	980730105	@EBASVOA
45622	980730106	@EBASVOA
45622	980730107	@EBASVOA
45660	980731074	@EBASVOA
45660	980731075	@EBASVOA
45660	980731076	@EBASVOA
45660	980731077	@EBASVOA
45660	980731078	@EBASVOA
45660	980731079	@EBASVOA
45711	980803025	@EBASVOA
45711	980803026	@EBASVOA
45711	980803027	@EBASVOA
45711	980803028	@EBASVOA
45711	980803029	@EBASVOA
45711	980803030	@EBASVOA

(20 rows)
End of Request

QUALITY INVESTIGATION REPORT

QIR No. MS-98-027

Analysis Date: 8/17/98

Analysis: 524 (@ EBASVOA)

Extraction Date: —

Matrix: 1

Analyst: COL

Instrument ID: GCMSH

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
980813094	MW-983-114	Foster Wheeler	980813098	MW-983-008	Foster Wheeler
095	-115	↓	099	-009	↓
096	-006		100	-010	
097	-007				

Brief Description: (include reason for non-compliance)

Methylene chloride detected in all samples. LRB loaded at the same time as these samples (0817VH35) has 1.7 ppb of methylene chloride. (Suspect lab. contamination (0817VH18 is an acceptable ~~M.B.~~ COL LRB for this test

Action Taken: Informed P.M. (Debbie Frank), who advised not to rerun; fill out QIR and annotate report. Lab. Facilities is investigating lab. contamination issue.

Impact on Data Quality:

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

Other:

Annotation:

Client Contact: See QIR re report w/ annotation per Mark Lowe / Tom Blaney FWEN

msg for Mark Cutler 8/25

Extraction:	—	Date:	—
Analyst:	Cecilia Sei	Date:	8-18-98
Group Leader:	[signature]	Date:	8-21-98
QA Coordinator:	[signature]	Date:	8-25-98
Project Manager:	[signature]	Date:	8/25/98

PROPERTY OF MONTGOMERY WATSON LABORATORIES

QUALITY INVESTIGATION REPORT

QIR No. MS-98-025

Analysis Date: ~~8/12~~ 8/11/98

Analysis: 524

Extraction Date: —

Matrix: 1

Analyst: COL

Instrument ID: GCMSH

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
980805126	MW-983-106	Foster Wheeler	980805130	MW-983-067	Foster Wheeler
127	-066	↓	131	-069	↓
128	-062		127	MW-983-066 MS	
129	-061		127	-066 MSD	

Brief Description: (include reason for non-compliance)

Methylene chloride detected in all samples and LRB (file #9).
Suspect laboratory contamination

Action Taken: Informed P.M (Debbie Frank) of problem. Debbie advised not to rerun because methylene chloride is not an analyte of interest to Foster Wheeler. Document problem on a QIR. Facilities Dept is investigating the cause of contamination.

Impact on Data Quality:

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

Other:

Annotation: Mark Cutler on Vacation 8/10-24 - [illegible] w/ [illegible]

Client Contact: discussed laboratory contamination w/ Mark Lossi 8/3 he indicated it was not an analyte of concern if it is demonstrated to be Lab Contamination. Investigate and correct problem as quickly as possible but ok to Report w/ annotation Dec 8/17/98 [illegible]

Extraction:		Date:	
Analyst:	[signature]	Date:	8/12/98
Group Leader:	[signature]	Date:	8/12/98
QA Coordinator:	[signature]	Date:	08/17/98
Project Manager:	[signature]	Date:	8/17/98

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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
SEP 18 [illegible]
DEB* Debbie Frank

Report#: 45660
JPL

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Report
Comments
#45660

Group Comments

(524.2) Methylene Chloride detected in the samples could be due to laboratory contamination, since laboratory was experiencing intermittent problems with Methylene Chloride. GG 08/17/98

(980731075)
NO3
Result was over the linear range. Sample was re-analyzed for cconfirmation on 08/07/98 and got 11ppm with dilution.

(980731077)
NO3
Result was over the linear range. Sample was re-analyzed for confirmation on 08/07/98 and got 14ppm with dilution.

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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

SEP 21 [illegible]

DEB* Debbie Frank

Report#: 45660
JPL

MONTGOMERY WATSON LABORATORIES

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Laboratory Report #45660

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

Samples Received
31-jul-1998 15:56:59

MW-983-101 (980731074) Sampled on 07/31/98

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/05/98	82045	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/05/98	82045	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/05/98	82045	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#45660

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/05/98	82045	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-049 (980731075) Sampled on 07/31/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	08/09/98		(ML/SM1040)	Anion Sum	5.84	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	66	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	6.50	meq/l	0.0010	1
	07/31/98	81727	(ML/EPA 300)	Chloride	26	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	57	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.123	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	25	ug/l	10	1
	07/31/98	81589	(ML/SW 7196)	Hexavalent chromium (Cr VI)	0.0234	mg/l	0.005	1
	08/04/98	81672	(ML/S2510B)	Specific Conductance	595	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.5	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	22	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	30	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	10E	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/01/98	81633	(ML/SM 4500H)	Lab pH	7.0	Units	0.0010	1
	07/31/98	81731	(ML/EPA 300.0)	Sulfate	62	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	390	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/04/98	82033	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethylene	1.1	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(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
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Carbon Tetrachloride	15	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloroform (Trichloromethane)	7.5	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichloromethane	0.5	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/04/98	82033	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.6	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Trichloroethylene (TCE)	29	ug/l	1.0	2
	08/04/98	82033	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	0.7	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-983-048 (980731076) Sampled on 07/31/98

08/07/98	08/12/98	82334	(S3113B/E200.9)	**Arsenic, Total, GF**	**ND**	**mg/l**	**0.005**	**1**
	08/05/98	81899	(MOD/EPA 300)	**Perchlorate**	**59**	**ug/l**	**4.0**	**1**
08/07/98	09/02/98	83409	(EPA/ML 200.8)	**Chromium, Total, ICAP/MS**	**25**	**ug/l**	**10**	**1**
	07/31/98	81589	(ML/SW 7196)	**Hexavalent chromium (Cr VI)**	**0.0234**	**mg/l**	**0.005**	**1**
08/07/98	09/10/98	83811	(EPA/ML 200.8)	**Lead, Total, ICAP/MS**	**ND**	**ug/l**	**2.0**	**1**

Regulated VOCs plus Lists 1&3

	08/04/98	82033	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,1-Trichloroethane	0.5	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethylene	1.2	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(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
	08/04/98	82033	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Carbon Tetrachloride	14	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloroform (Trichloromethane)	7.7	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichloromethane	1.0	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/04/98	82033	(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
	08/04/98	82033	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.6	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Trichloroethylene (TCE)	28	ug/l	1.0	2
	08/04/98	82033	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	0.7	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/04/98	82033	(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	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-983-041 (980731077) Sampled on 07/31/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	08/09/98		(ML/SM1040)	Anion Sum	5.06	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	54	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.73	meq/l	0.0010	1
	07/31/98	81727	(ML/EPA 300)	Chloride	21	mg/l	1.0	1
	08/11/98	82341	(MOD/EPA 300)	Perchlorate	420	ug/l	80	20
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.103	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/31/98	81589	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81672	(ML/S2510B)	Specific Conductance	535	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	159	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.2	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	21	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	28	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	13E	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/01/98	81633	(ML/SM 4500H)	Lab pH	7.0	Units	0.0010	1
	07/31/98	81731	(ML/EPA 300.0)	Sulfate	45	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	350	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/04/98	82033	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,1-Trichloroethane	1.0	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethylene	2.7	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloroethane	0.8	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Carbon Tetrachloride	58	ug/l	2.5	5
	08/04/98	82033	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(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
	08/04/98	82033	(ML/EPA 524.2)	Chloroform (Trichloromethane)	23	ug/l	2.5	5
	08/04/98	82033	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichloromethane	0.6	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.3	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Trichloroethylene (TCE)	19	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	1.2	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-065 (980731078) Sampled on 07/31/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	08/06/98		(ML/SM1040)	Anion Sum	4.69	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82722	(EPA/ML 200.7)	Calcium, Total, ICAP	57	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.37	meq/l	0.0010	1
	07/31/98	81727	(ML/EPA 300)	Chloride	22	mg/l	1.0	1
	08/11/98	82341	(MOD/EPA 300)	Perchlorate	190	ug/l	40	10
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.222	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/31/98	81589	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81672	(ML/S2510B)	Specific Conductance	485	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2600	ug/l	100	5
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	171	mg/l	0.0010	1
08/11/98	08/20/98	82724	(ML/EPA 200.7)	Potassium, Total, ICAP	3.5	mg/l	1.0	1
08/11/98	08/20/98	82726	(ML/EPA 200.7)	Magnesium, Total, ICAP	19	mg/l	0.10	1
08/11/98	08/20/98	82728	(ML/EPA 200.7)	Sodium, Total, ICAP	20	mg/l	1.0	1
	07/31/98	81729	(ML/EPA 300.0)	Nitrate-N by IC	5.2	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/01/98	81633	(ML/SM 4500H)	Lab pH	7.3	Units	0.0010	1
	07/31/98	81731	(ML/EPA 300.0)	Sulfate	48	mg/l	2.0	1
	08/05/98	81957	(ML/S2540C)	Total Dissolved Solid (TDS)	300	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/04/98	82033	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloroethylene	0.9	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(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
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloroethane	0.6	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/04/98	82033	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Carbon Tetrachloride	43	ug/l	2.5	5
	08/04/98	82033	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloroform (Trichloromethane)	9.0	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichloromethane	1.0	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(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
	08/04/98	82033	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.8	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Trichloroethylene (TCE)	19	ug/l	2.5	5
	08/04/98	82033	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	3.4	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/04/98	82033	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/04/98	82033	(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	101	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

MW-983-200 (980731079) Sampled on 07/31/98

08/07/98	08/12/98	82334	(S3113B/E200.9)	**Arsenic, Total, GF**	**ND**	**mg/l**	**0.005**	**1**
	08/05/98	81899	(MOD/EPA 300)	**Perchlorate**	**ND**	**ug/l**	**4.0**	**1**
08/07/98	09/02/98	83409	(EPA/ML 200.8)	**Chromium, Total, ICAP/MS**	**ND**	**ug/l**	**10**	**1**
	07/31/98	81589	(ML/SW 7196)	**Hexavalent chromium (Cr VI)**	**ND**	**mg/l**	**0.005**	**1**
08/07/98	09/10/98	83811	(EPA/ML 200.8)	**Lead, Total, ICAP/MS**	**ND**	**ug/l**	**2.0**	**1**

Regulated VOCs plus Lists 1&3

	08/05/98	82045	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(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
	08/05/98	82045	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/05/98	82045	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/05/98	82045	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/05/98	82045	(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
	08/05/98	82045	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/05/98	82045	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	90	% Rec		
			(Surrogate)	4-Bromofluorobenzene	111	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Laboratory
QC Report
#45660

Foster Wheeler Environmental, Inc

QC Batch #81589 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	80731075		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0508	101.6	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(80.00 - 120.00)	1.2

QC Batch #81633 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0730200		(0.00 - 0.00)	

QC Batch #81672 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	

QC Batch #81727 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
LCS1	Chloride	25	25	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(90.00 - 110.00)	3.9
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

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
#45660

Foster Wheeler Environmental, Inc
(continued)

QC Batch #81729 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0729135		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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 #81731 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
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	53	106.0	(80.00 - 120.00)	
MSD	Sulfate	50	53	106.0	(80.00 - 120.00)	0.00

QC Batch #81899 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.4	97.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.9	99.5	(90.00 - 110.00)	2.5
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	1.0

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

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QC Batch #81957 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0801045		(0.00 - 0.00)	
LCS1	Total Dissolved Solid (TDS)	175	164	93.7	(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 #82033 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	8	8.22	102.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	7.34	91.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.33	104.1	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	7.91	98.9	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	9.17	114.6	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.77	122.1	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	1.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	7.93	99.1	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.01	100.1	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.37	104.6	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				

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

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MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.57	107.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	8.36	104.5	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0730105		(0.00 - 0.00)	
LCS1	Benzene	8	9.34	116.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	10.4	130.0	(70.00 - 130.00)	
MSD	Benzene	8	10.5	131.2	(70.00 - 130.00)	0.96
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	8.34	104.2	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.55	106.9	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	9.53	119.1	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.80	122.5	(70.00 - 130.00)	2.8
LCS1	Carbon Tetrachloride	8	9.04	113.0	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	7.79	97.4	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	8.41	105.1	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	8.23	102.9	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				

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

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LCS1	Bromodichloromethane	8	8.06	100.8	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	8.56	107.0	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.60	107.5	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	3.41	85.2	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	18.2	113.8	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	8.58	107.2	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.13	101.6	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	8.92	111.5	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	8.58	107.2	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	94	94.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	85	85.0		
MS	1,2-dichloroethane-d4	100	103	103.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 120.00)	2.9
LCS1	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	98	98.0		
MS	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	95	95.0	(80.00 - 120.00)	2.1
LCS1	4-Bromofluorobenzene	100	97	97.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	106	106.0		

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MS	4-Bromofluorobenzene	100	96	96.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	100	100.0	(80.00 - 120.00)	4.1
LCS1	trans-1,2-Dichloroethylene	8	9.44	118.0	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.52	106.5	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.56	119.5	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.72	121.5	(70.00 - 130.00)	1.7
LCS1	Trichlorotrifluoroethane(Freon	4	4.14	103.5	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	9.06	113.2	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.96	124.5	(70.00 - 130.00)	
MSD	Toluene	8	9.66	120.8	(70.00 - 130.00)	3.1
LCS1	Vinyl chloride (VC)	4	2.80	70.0	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #82045 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	8	7.68	96.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	7.79	97.4	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	7.22	90.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	7.38	92.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	6.54	81.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.77	122.1	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	1.5
MBLK	1,1-Dichloropropene	ND				

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MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.01	100.1	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	7.21	90.1	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	7.43	92.9	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.27	90.9	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	8.98	112.2	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0730105		(0.00 - 0.00)	
LCS1	Benzene	8	7.85	98.1	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	10.4	130.0	(70.00 - 130.00)	
MSD	Benzene	8	10.5	<u>131.2</u>	(70.00 - 130.00)	0.96
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	7.18	89.8	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.44	105.5	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	9.53	119.1	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.80	122.5	(70.00 - 130.00)	2.8
LCS1	Carbon Tetrachloride	8	7.88	98.5	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	6.34	79.2	(70.00 - 130.00)	

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MBLK	Bromoform	ND			
LCS1	Chloroform (Trichloromethane)	8	7.76	97.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Bromochloromethane	ND			
MBLK	Chloroethane	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	8	7.18	89.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	8	7.42	92.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	8	6.30	78.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	8	8.23	102.9	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	4	3.90	97.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	16	17.0	106.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	Naphthalene	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
LCS1	o-Xylene	8	8.06	100.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	8	7.87	98.4	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	Tetrachloroethylene (PCE)	8	8.04	100.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
LCS1	Styrene	8	8.17	102.1	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	1,2-dichloroethane-d4	100	95	95.0	(80.00 - 120.00)

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

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MBLK	1,2-dichloroethane-d4	100	99	99.0		
MS	1,2-dichloroethane-d4	100	103	103.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 120.00)	2.9
LCS1	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	104	104.0		
MS	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	95	95.0	(80.00 - 120.00)	2.1
LCS1	4-Bromofluorobenzene	100	107	107.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	103	103.0		
MS	4-Bromofluorobenzene	100	96	96.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	100	100.0	(80.00 - 120.00)	4.1
LCS1	trans-1,2-Dichloroethylene	8	6.99	87.4	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	7.62	95.2	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.56	119.5	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.72	121.5	(70.00 - 130.00)	1.7
LCS1	Trichlorotrifluoroethane(Freon	4	4.79	119.8	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	8.19	102.4	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.96	124.5	(70.00 - 130.00)	
MSD	Toluene	8	9.66	120.8	(70.00 - 130.00)	3.1
LCS1	Vinyl chloride (VC)	4	3.90	97.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #82334 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0186	93.0	(85.00 - 115.00)	2.1
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0255	127.5	(85.00 - 115.00)	

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

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MSD	Arsenic, Total, GF	0.020	0.0233	116.5	(85.00 - 115.00)	9.0

QC Batch #82341 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.4	97.0	(90.00 - 110.00)	3.5
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	21.5	107.5	(75.00 - 125.00)	6.7

QC Batch #82722 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	51.5	103.0	(90.00 - 110.00)	0.00
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	53.5	107.0	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	52.5	105.0	(80.00 - 120.00)	1.9

QC Batch #82724 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	20.6	103.0	(80.00 - 110.00)	0.00
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.4	107.0	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.0	105.0	(80.00 - 120.00)	1.9

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

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(continued)

QC Batch #82726 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	20.6	103.0	(85.00 - 115.00)	0.00
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	21.1	105.5	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	20.7	103.5	(70.00 - 130.00)	1.9

QC Batch #82728 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0728187		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	50.7	101.4	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	50.8	101.6	(80.00 - 120.00)	0.20
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	50.5	101.0	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	49.7	99.4	(80.00 - 120.00)	1.6

QC Batch #82748 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.9	103.8	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	99.7	103.6	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.3	99.1	(80.00 - 120.00)	1.4

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

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)

Foster Wheeler Environmental, Inc
(continued)

QC Batch #83409 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	93.5	94.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.3	98.0	(85.00 - 115.00)	5.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	96.2	96.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.4	99.0	(70.00 - 130.00)	3.3

QC Batch #83419 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	545	109.0	(85.00 - 115.00)	7.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	0.00

QC Batch #83811 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	22.0	110.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.5	107.5	(85.00 - 115.00)	2.3
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.7	103.5	(70.00 - 130.00)	7.0

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

September 15, 1998

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

Attention: Mark Cutler

Re: Report # 45711 (MW-983-102, -103, -050, -051, -052, -054, -053)

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):

(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used are 70-130. All data is acceptable.

(@EBASVOA) QC batch 82310 analyzed 8/6/98: The MSD for Benzene exceeds the MWL acceptance limits of 70-130% at 131.2%. The RPD with the MS is acceptable. The LCS and Method Blank are acceptable. The sample used for the MS/MSD is not reported with this report group. There is no qualification required for reported data. All data is acceptable. QC batch 81648 analyzed 7/31/98 and 82045, analyzed 8/5/98, is batched with the same MS/MSD sample ID: MW-983-069, which is acceptable for batches defined as <20 samples (QAPP Section 7.0, Rev 3, 2/10/98, page 34 of 64). It is given a new QC batch number due to the new LCS and Method Blank run for that day's analysis per the method requirement (EPA 524.2).

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Other Comments:

Cations are analyzed by EPA 200.7.
The ion balance exceeds QC criteria for sample ID: MW-983-050, -051, -052, -054
Lead was detected in sample ID: MW-983-052, -054, -053
Carbon Tetrachloride was detected in sample ID: MW-983-050, -051, -052, -054, -05
Chloroform was detected in sample ID: MW-983-050, -051, -052, -054, -053
Perchlorate was detected in sample ID: MW-983-051, -052, -054, -053

TICS:

An unknown compound was detected at RT=3.76 in sample ID: MW-983-103

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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

Quality Environmental Analysis

___ Tue Sep 15 15:13:39 1998 _____

```
  1> select distinct group#, sample#, protocol_code
  2> from results
  3> where bulkqc# in (
  4> select qc# from qchistory
  5> where test_code='@EBASVOA'
  6> and category_code='AASPKS'
  7> and qc_found='0730105')
```

group#	sample#	protocol
45563	980729138	@EBASVOA
45564	980729139	@EBASVOA
45622	980730102	@EBASVOA
45622	980730103	@EBASVOA
45622	980730104	@EBASVOA
45622	980730105	@EBASVOA
45622	980730106	@EBASVOA
45622	980730107	@EBASVOA
45660	980731074	@EBASVOA
45660	980731075	@EBASVOA
45660	980731076	@EBASVOA
45660	980731077	@EBASVOA
45660	980731078	@EBASVOA
45660	980731079	@EBASVOA
45711	980803025	@EBASVOA
45711	980803026	@EBASVOA
45711	980803027	@EBASVOA
45711	980803028	@EBASVOA
45711	980803029	@EBASVOA
45711	980803030	@EBASVOA

(20 rows)
End of Request

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 626-568-6400/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#007618-0003
Group#: 45711
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 08/03/98. 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
980803025	MW-983-102			Water			08/03/98
		@EBASVOA					
980803026	MW-983-103			Water			08/03/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI	
		CLO4					
980803027	MW-983-050			Water			08/03/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980803028	MW-983-051			Water			08/03/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980803029	MW-983-052			Water			08/03/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS	
		CATION1	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K
		NA	MG	CA	CR-VI	CLO4	
980803030	MW-983-054			Water			08/03/98
		@EBASVOA	CLO4	CR-VI	CA	MG	
		NA	K	FE-MS	CL	SO4	NO3
		ALK	CO3	HCO3	EC	PH	ANION
		CATION1	TDS	PB-MS	AS-GF	CR-MS	
980803031	MW-983-053			Water			08/03/98
		@EBASVOA	CLO4	CR-VI	PB-MS	AS-GF	
		CR-MS					

Test Acronym Description

Test Acronym	Description

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

Customer Code: ENSERCH
PO#: Sub PO#007618-0003
Group#: 45711
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA	Calcium, Total, ICAP
CATION1	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	Potassium, Total, ICAP
MG	Magnesium, Total, ICAP
NA	Sodium, Total, ICAP
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solid (TDS)

45711

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO.: 1572.0250

PROJECT ADDRESS: 4800 OAK GROVE PASADENA

SAMPLER (Name): TBLANEY

SAMPLER (Signature): [signature]

LABORATORY: MONTGOMERY WATSON

REPORTS TO BE SENT TO: MARK CUTLER

HAZARD IDENTIFICATION: Non Hazard ☑ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☑ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SAMPLE MATERIAL: SOIL	SAMPLE MATERIAL: OTHER (Describe)	VOCs (524.2)	Total Cr, As, Pb, Metals (6010/7000)	Anions TDS	Al, 6+	ClO_4^-	MS FOR VOCs	MSD FOR VOCs	MS/MSD FOR METALS	QC FOR Al, 6+
MW-983-102	0830	8/3/98	2	2x40ml	X	9808	03025	X								
MW-983-103	0845	8/3/98	5	2x40ml, 1x250ml, 2x125ml	✓		026	X	✓		✓	✓				
MW-983-050	0945	8/3/98	6	2x40ml, 2x500ml, 2x125ml	✓		027	X	X	✓	X	✓			X	X
MW-983-050MS	0945	8/3/98	2	2x40ml	✓								X			
MW-983-050MSD	0945	8/3/98	2	2x40ml	✓									X		
MW-983-051	1110	8/3/98	6	2x40ml, 1x250ml, 1x500ml, 2x125ml	✓		028	X	✓	X	✓	✓				
MW-983-052	1205	8/3/98	6	2x40ml, 1x250ml, 1x500ml, 2x125ml	✓		029	X	X	X	X	✓				
MW-983-054	1255	8/3/98	6	2x40ml, 1x250ml, 1x500ml, 2x125ml	✓		030	✓	✓	X	✓	✓				
MW-983-053	1305	8/3/98	5	2x40ml, 1x250ml, 2x125ml	✓		031	✓	✓		✓	✓				
~~MW-983-055~~		~~8/3/98~~	~~6~~	~~2x40ml, 1x250ml, 1x500ml, 2x125ml~~	~~✓~~			~~✓~~	~~✓~~	~~✓~~	~~✓~~					

LABORATORY INSTRUCTIONS/COMMENTS

LEVEL IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[signature]	8/3/98				
COMPANY: FWMC	TIME: 1522	COMPANY	COMPANY	TIME	COMPANY

F-2

SHIPPING COPY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: Enserch Date Received: 8/3/98

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: 8/3/98
by (print) Vijay Mepani (sign) Vijay Mepani

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: 2, on top
   If Yes, enter the following: seal date: 8/3/98, seal name: TPB

3. Were custody seals unbroken & intact at delivery? **Yes** **No** Dec 8/4/9
   Seals were unbroken & intact per Vijay Mepani upon receipt by MLO

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: VKM (date) 8/3/98

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

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? **Yes** No
    If NO, indicate descrepancies on back.

15. Were correct containers useed 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? **Yes** No
    If NO, list by sample id on back.

19. Was Client Services informed of problems? Yes No

Report Summary of positive results, PR45711

			Result	MDL	UNITS
Analyzed	980803025	MW-983-102			
Analyzed	980803026	MW-983-103			
Analyzed	980803027	MW-983-050			
08/06/98	Carbon Tetrachloride		2.1	.500	UGL
08/06/98	Chloroform (Trichloromethane)		0.6	.500	UGL
08/03/98	Alkalinity		175	2.000	MGL
08/18/98	Anion Sum		4.32	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		213	.001	MGL
08/20/98	Calcium, Total, ICAP		47	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		1.10	.001	MGL
08/23/98	Cation Sum		5.10	.001	MEQL
08/05/98	Chloride		14	1.000	MGL
08/05/98	Lab pH		7.9	.001	UNIT
08/20/98	Magnesium, Total, ICAP		13	.100	MGL
08/05/98	Nitrate-N by IC		1.2	.100	MGL
08/20/98	Potassium, Total, ICAP		2.7	1.000	MGL
08/20/98	Sodium, Total, ICAP		37	1.000	MGL
08/04/98	Specific Conductance		445	4.000	UMHO
08/05/98	Sulfate		21	2.000	MGL
08/10/98	Total Dissolved Solid (TDS)		260	10.000	MGL
Analyzed	980803028	MW-983-051			
08/06/98	Carbon Tetrachloride		5.1	.500	UGL
08/06/98	Chloroform (Trichloromethane)		1.2	.500	UGL
08/03/98	Alkalinity		185	2.000	MGL
08/18/98	Anion Sum		4.75	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		225	.001	MGL
08/20/98	Calcium, Total, ICAP		60	1.000	MGL
08/03/98	Carbonate as CO3, Calculated		0.923	.001	MGL
08/23/98	Cation Sum		5.44	.001	MEQL
08/05/98	Chloride		14	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		130	******	UGL
08/05/98	Lab pH		7.8	.001	UNIT
08/20/98	Magnesium, Total, ICAP		15	.100	MGL
08/05/98	Nitrate-N by IC		1.5	.100	MGL
08/05/98	Perchlorate		6.0	4.000	UGL
08/20/98	Potassium, Total, ICAP		3.1	1.000	MGL
08/20/98	Sodium, Total, ICAP		26	1.000	MGL
08/04/98	Specific Conductance		480	4.000	UMHO
08/05/98	Sulfate		31	2.000	MGL
08/10/98	Total Dissolved Solid (TDS)		290	10.000	MGL
Analyzed	980803029	MW-983-052			
08/06/98	Carbon Tetrachloride		35	.500	UGL
08/06/98	Chloroform (Trichloromethane)		2.2	.500	UGL
08/03/98	Alkalinity		190	2.000	MGL
08/18/98	Anion Sum		5.19	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated		231	.001	MGL
08/20/98	Calcium, Total, ICAP		65	1.000	MGL

08/03/98	Carbonate as CO3, Calculated	0.947	.001	MGL
08/23/98	Cation Sum	5.96	.001	MEQL
08/05/98	Chloride	19	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	310	******	UGL
08/05/98	Lab pH	7.8	.001	UNIT
09/10/98	Lead, Total, ICAP/MS	18	2.000	UGL
08/20/98	Magnesium, Total, ICAP	18	.100	MGL
08/05/98	Nitrate-N by IC	1.7	.100	MGL
08/05/98	Perchlorate	6.6	4.000	UGL
08/20/98	Potassium, Total, ICAP	3.7	1.000	MGL
08/20/98	Sodium, Total, ICAP	26	1.000	MGL
08/04/98	Specific Conductance	520	4.000	UMHO
08/05/98	Sulfate	40	2.000	MGL
08/10/98	Total Dissolved Solid (TDS)	330	10.000	MGL

Analyzed 980803030 MW-983-054

08/06/98	Carbon Tetrachloride	1.4	.500	UGL
08/06/98	Chloroform (Trichloromethane)	0.9	.500	UGL
08/03/98	Alkalinity	180	2.000	MGL
08/18/98	Anion Sum	4.98	.001	MEQL
08/03/98	Bicarbonate as HCO3,calculated	219	.001	MGL
08/20/98	Calcium, Total, ICAP	61	1.000	MGL
08/03/98	Carbonate as CO3, Calculated	0.567	.001	MGL
08/23/98	Cation Sum	5.84	.001	MEQL
08/05/98	Chloride	16	1.000	MGL
09/02/98	Iron, Total, ICAP/MS	230	******	UGL
08/05/98	Lab pH	7.6	.001	UNIT
09/10/98	Lead, Total, ICAP/MS	5.8	2.000	UGL
08/20/98	Magnesium, Total, ICAP	19	.100	MGL
08/05/98	Nitrate-N by IC	1.9	.100	MGL
08/05/98	Perchlorate	4.5	4.000	UGL
08/20/98	Potassium, Total, ICAP	3.9	1.000	MGL
08/20/98	Sodium, Total, ICAP	26	1.000	MGL
08/04/98	Specific Conductance	510	4.000	UMHO
08/05/98	Sulfate	43	2.000	MGL
08/10/98	Total Dissolved Solid (TDS)	320	10.000	MGL

Analyzed 980803031 MW-983-053

08/06/98	Carbon Tetrachloride	1.1	.500	UGL
08/06/98	Chloroform (Trichloromethane)	0.7	.500	UGL
09/10/98	Lead, Total, ICAP/MS	2.7	2.000	UGL
08/05/98	Perchlorate	5.1	4.000	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
SEP 14 1998
DEB* Debbie Frank

Report#: 45711
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
#45711

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

Samples Received
03-aug-1998 15:49:30

MW-983-102 (980803025) Sampled on 08/03/98

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/06/98	82310	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(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
	08/06/98	82310	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82310	(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	112	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-103 (980803026) Sampled on 08/03/98								
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/03/98	81646	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82310	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(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
	08/06/98	82310	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown RT = 3.76	2.5	ppb		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	100	% Rec		
MW-983-050 (980803027) Sampled on 08/03/98								
	08/03/98	82748	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	08/18/98		(ML/SM1040)	Anion Sum	4.32	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82723	(EPA/ML 200.7)	Calcium, Total, ICAP	47	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.10	meq/l	0.0010	1
	08/05/98	82156	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	1.10	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/03/98	81646	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81672	(ML/S2510B)	Specific Conductance	445	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
08/11/98	08/20/98	82725	(ML/EPA 200.7)	Potassium, Total, ICAP	2.7	mg/l	1.0	1
08/11/98	08/20/98	82727	(ML/EPA 200.7)	Magnesium, Total, ICAP	13	mg/l	0.10	1
08/11/98	08/20/98	82729	(ML/EPA 200.7)	Sodium, Total, ICAP	37	mg/l	1.0	1
	08/05/98	82158	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/05/98	81808	(ML/SM 4500H)	Lab pH	7.9	Units	0.0010	1
	08/05/98	82160	(ML/EPA 300.0)	Sulfate	21	mg/l	2.0	1
	08/10/98	82354	(ML/S2540C)	Total Dissolved Solid (TDS)	260	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82310	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(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
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Carbon Tetrachloride	2.1	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82310	(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
	08/06/98	82310	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82310	(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	101	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-983-051 (980803028) Sampled on 08/03/98

	08/03/98	82748	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	08/18/98		(ML/SM1040)	Anion Sum	4.75	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82723	(EPA/ML 200.7)	Calcium, Total, ICAP	60	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.44	meq/l	0.0010	1
	08/05/98	82156	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	6.0	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.923	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/03/98	81646	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81672	(ML/S2510B)	Specific Conductance	480	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	225	mg/l	0.0010	1
08/11/98	08/20/98	82725	(ML/EPA 200.7)	Potassium, Total, ICAP	3.1	mg/l	1.0	1
08/11/98	08/20/98	82727	(ML/EPA 200.7)	Magnesium, Total, ICAP	15	mg/l	0.10	1
08/11/98	08/20/98	82729	(ML/EPA 200.7)	Sodium, Total, ICAP	26	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/05/98	82158	(ML/EPA 300.0)	Nitrate-N by IC	1.5	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/05/98	81808	(ML/SM 4500H)	Lab pH	7.8	Units	0.0010	1
	08/05/98	82160	(ML/EPA 300.0)	Sulfate	31	mg/l	2.0	1
	08/10/98	82354	(ML/S2540C)	Total Dissolved Solid (TDS)	290	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82310	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Carbon Tetrachloride	5.1	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(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
	08/06/98	82310	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.2	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-052 (980803029) Sampled on 08/03/98								
	08/03/98	82749	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	08/18/98		(ML/SM1040)	Anion Sum	5.19	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82723	(EPA/ML 200.7)	Calcium, Total, ICAP	65	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.96	meq/l	0.0010	1
	08/05/98	82156	(ML/EPA 300)	Chloride	19	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	6.6	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.947	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/03/98	81646	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81672	(ML/S2510B)	Specific Conductance	520	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	310	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	231	mg/l	0.0010	1
08/11/98	08/20/98	82725	(ML/EPA 200.7)	Potassium, Total, ICAP	3.7	mg/l	1.0	1
08/11/98	08/20/98	82727	(ML/EPA 200.7)	Magnesium, Total, ICAP	18	mg/l	0.10	1
08/11/98	08/20/98	82729	(ML/EPA 200.7)	Sodium, Total, ICAP	26	mg/l	1.0	1
	08/05/98	82158	(ML/EPA 300.0)	Nitrate-N by IC	1.7	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	18	ug/l	2.0	1
	08/05/98	81808	(ML/SM 4500H)	Lab pH	7.8	Units	0.0010	1
	08/05/98	82160	(ML/EPA 300.0)	Sulfate	40	mg/l	2.0	1
	08/10/98	82354	(ML/S2540C)	Total Dissolved Solid (TDS)	330	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82310	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(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
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Carbon Tetrachloride	35	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.2	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(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
	08/06/98	82310	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82310	(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	94	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-983-054 (980803030) Sampled on 08/03/98

	08/03/98	82749	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	08/18/98		(ML/SM1040)	Anion Sum	4.98	meq/l	0.0010	1
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82723	(EPA/ML 200.7)	Calcium, Total, ICAP	61	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.84	meq/l	0.0010	1
	08/05/98	82156	(ML/EPA 300)	Chloride	16	mg/l	1.0	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	4.5	ug/l	4.0	1
	08/03/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.567	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/03/98	81646	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/04/98	81672	(ML/S2510B)	Specific Conductance	510	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	230	ug/l	100	1
	08/03/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
08/11/98	08/20/98	82725	(ML/EPA 200.7)	Potassium, Total, ICAP	3.9	mg/l	1.0	1
08/11/98	08/20/98	82727	(ML/EPA 200.7)	Magnesium, Total, ICAP	19	mg/l	0.10	1
08/11/98	08/20/98	82729	(ML/EPA 200.7)	Sodium, Total, ICAP	26	mg/l	1.0	1
	08/05/98	82158	(ML/EPA 300.0)	Nitrate-N by IC	1.9	mg/l	0.10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	5.8	ug/l	2.0	1
	08/05/98	81808	(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	08/05/98	82160	(ML/EPA 300.0)	Sulfate	43	mg/l	2.0	1
	08/10/98	82354	(ML/S2540C)	Total Dissolved Solid (TDS)	320	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82310	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82310	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Carbon Tetrachloride	1.4	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.9	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/06/98	82310	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82310	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-053 (980803031) Sampled on 08/03/98								
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	08/05/98	81899	(MOD/EPA 300)	Perchlorate	5.1	ug/l	4.0	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/03/98	81646	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.7	ug/l	2.0	1
Regulated VOCs plus Lists 1&3								
	08/06/98	82301	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Carbon Tetrachloride	1.1	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/06/98	82301	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	98	% Rec		

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Laboratory QC Report #45711

Foster Wheeler Environmental, Inc

QC Batch #81646 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	80803027		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0505	101.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0505	101.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0505	101.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0499	99.8	(80.00 - 120.00)	1.2

QC Batch #81672 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	

QC Batch #81808 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0804162		(0.00 - 0.00)	

QC Batch #81899 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0730106		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.4	97.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.9	99.5	(90.00 - 110.00)	2.5
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.9	99.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	1.0

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

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QC Batch #82156 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Chloride	25	26	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(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 #82158 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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 #82160 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Sulfate	50	52	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	52	104.0	(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

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QC Batch #82301 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	8	8.24	103.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.65	108.1	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.44	105.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	7.46	93.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	6.38	79.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	6.48	81.0	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	6.27	78.4	(70.00 - 130.00)	3.3
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.89	111.1	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.18	102.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.29	103.6	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.26	103.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.02	112.8	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				

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MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Benzene	8	8.06	100.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	8.53	106.6	(70.00 - 130.00)	
MSD	Benzene	8	8.72	109.0	(70.00 - 130.00)	2.2
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	8.09	101.1	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.87	110.9	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	8.78	109.7	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.15	114.4	(70.00 - 130.00)	4.1
LCS1	Carbon Tetrachloride	8	8.11	101.4	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	9.09	113.6	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	8.58	107.2	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	9.23	115.4	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	8.53	106.6	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	7.50	93.8	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.53	106.6	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	4.00	100.0	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				

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MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	17.3	108.1	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	9.01	112.6	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.71	108.9	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	8.02	100.2	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.11	113.9	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	96	96.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	104	104.0		
MS	1,2-dichloroethane-d4	100	98	98.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	107	107.0	(80.00 - 120.00)	8.8
LCS1	Toluene-d8	100	95	95.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	98	98.0		
MS	Toluene-d8	100	99	99.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	86	86.0	(80.00 - 120.00)	14
LCS1	4-Bromofluorobenzene	100	101	101.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	94	94.0		
MS	4-Bromofluorobenzene	100	103	103.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	99	99.0	(80.00 - 120.00)	4.0
LCS1	trans-1,2-Dichloroethylene	8	7.29	91.1	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.27	103.4	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	8.42	105.2	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	8.93	111.6	(70.00 - 130.00)	5.9

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LCS1	Trichlorotrifluoroethane(Freon	4	4.80	120.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	8.58	107.2	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.02	112.8	(70.00 - 130.00)	
MSD	Toluene	8	8.10	101.2	(70.00 - 130.00)	11
LCS1	Vinyl chloride (VC)	4	4.09	102.2	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #82310 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	8	8.24	103.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.65	108.1	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.44	105.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	7.46	93.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	8	6.38	79.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	9.77	122.1	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	9.62	120.2	(70.00 - 130.00)	1.5
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.89	111.1	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.18	102.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.29	103.6	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				

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MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.26	103.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.02	112.8	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0730105		(0.00 - 0.00)	
LCS1	Benzene	8	8.06	100.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	10.4	130.0	(70.00 - 130.00)	
MSD	Benzene	8	10.5	131.2	(70.00 - 130.00)	0.96
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	8.09	101.1	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.87	110.9	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	9.53	119.1	(70.00 - 130.00)	
MSD	Chlorobenzene	8	9.80	122.5	(70.00 - 130.00)	2.8
LCS1	Carbon Tetrachloride	8	8.11	101.4	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	9.09	113.6	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	8.58	107.2	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	9.23	115.4	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				

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LCS1	Bromodichloromethane	8	8.53	106.6	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	7.50	93.8	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.53	106.6	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	4.00	100.0	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	17.3	108.1	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	9.01	112.6	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.71	108.9	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	8.02	100.2	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.11	113.9	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	96	96.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	104	104.0		
MS	1,2-dichloroethane-d4	100	103	103.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 120.00)	2.9
LCS1	Toluene-d8	100	95	95.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	98	98.0		
MS	Toluene-d8	100	97	97.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	95	95.0	(80.00 - 120.00)	2.1
LCS1	4-Bromofluorobenzene	100	101	101.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	94	94.0		

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MS	4-Bromofluorobenzene	100	96	96.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	100	100.0	(80.00 - 120.00)	4.1
LCS1	trans-1,2-Dichloroethylene	8	7.29	91.1	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.27	103.4	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	9.56	119.5	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	9.72	121.5	(70.00 - 130.00)	1.7
LCS1	Trichlorotrifluoroethane(Freon	4	4.80	120.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	8.58	107.2	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.96	124.5	(70.00 - 130.00)	
MSD	Toluene	8	9.66	120.8	(70.00 - 130.00)	3.1
LCS1	Vinyl chloride (VC)	4	4.09	102.2	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #82334 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0186	93.0	(85.00 - 115.00)	2.1
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0255	127.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0233	116.5	(85.00 - 115.00)	9.0

QC Batch #82354 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0804036		(0.00 - 0.00)	
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)	

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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Foster Wheeler Environmental, Inc
(continued)

MBLK	Total Dissolved Solid (TDS)	ND

QC Batch #82723 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	54.9	109.8	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	55.3	110.6	(90.00 - 110.00)	0.73
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	54.4	108.8	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	53.7	107.4	(80.00 - 120.00)	1.3

QC Batch #82725 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	21.3	106.5	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	21.5	107.5	(80.00 - 110.00)	0.93
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.7	108.5	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.6	108.0	(80.00 - 120.00)	0.46

QC Batch #82727 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	21.5	107.5	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	21.7	108.5	(85.00 - 115.00)	0.93
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	21.4	107.0	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	21.1	105.5	(70.00 - 130.00)	1.4

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #82729 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	51.3	102.6	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	51.7	103.4	(80.00 - 120.00)	0.78
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	52.0	104.0	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	51.5	103.0	(80.00 - 120.00)	0.97

QC Batch #82748 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803030		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.9	103.8	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	99.7	103.6	(90.00 - 110.00)	0.20
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.3	99.1	(80.00 - 120.00)	1.4

QC Batch #82749 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803029		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.3	103.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	99.3	103.2	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	85.2	88.6	(80.00 - 120.00)	
MSD	Alkalinity	96.2	86.4	89.8	(80.00 - 120.00)	1.4

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #83409 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	93.5	94.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.3	98.0	(85.00 - 115.00)	5.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	96.2	96.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.4	99.0	(70.00 - 130.00)	3.3

QC Batch #83419 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	545	109.0	(85.00 - 115.00)	7.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	0.00

QC Batch #83811 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	22.0	110.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.5	107.5	(85.00 - 115.00)	2.3
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.7	103.5	(70.00 - 130.00)	7.0

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

September 20, 1998

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

Attention: Mark Cutler

Re: Report # 45760 (MW-983-104, -105, -055, -001)

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):
(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used for MS/MSD are 70-130%. All data is acceptable.
(Ca-FL) The Limits for LCS are incorrectly listed in the QC report as 90-110%. The actual limits used for LCS are 85-115%. All data is acceptable.

Samples requiring dilution (with increased MRL's):
Diluted for Anions: MW-983-055

Method blanks with compounds detected:
None

Other Comments:
Cations are analyzed by EPA 200.7.
The ion balance exceeds QC criteria for sample ID: MW-983-055, -001

TICS:
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

4820 South Mill Avenue
Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

Quality Environmental Analysis

Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 626-568-6400/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#007618-0003
Group#: 45760
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 08/04/98. 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
980804159	MW-983-104						Water	08/04/98
		@EBASVOA						
980804160	MW-983-105						Water	08/04/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI		
		CLO4						
980804161	MW-983-055						Water	08/04/98
		@EBASVOA	CR-MS	PB-MS	AS-MS	TDS		
		CATION1	ANION1	PH	EC	HCO3	CO3	
		ALK	NO3	SO4	CL	FE-MS	K	
		NA	MG	CA	CR-VI	CLO4		
980804162	MW-983-001						Water	08/04/98
		@EBASVOA	CLO4	CR-VI	CA	MG		
		NA	K	FE-MS	CL	SO4	NO3	
		ALK	CO3	HCO3	EC	PH	ANION	
		CATION1	TDS	AS-MS	PB-MS	CR-MS		

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
AS-MS	Arsenic, Total, ICAP/MS
CA	Calcium, Total, ICAP
CATION1	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

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

Customer Code: ENSERCH
PO#: Sub PO#007618-0003
Group#: 45760
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

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

45760

NUMBER .010

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO.: 1572.0251

PROJECT ADDRESS: 4800 Oak Grove Dr Pasadena

SAMPLER (Name): [illegible]

SAMPLER (Signature):

LABORATORY: Montgomery Watson

REPORTS TO BE SENT TO: Mark [illegible]

HAZARD IDENTIFICATION: Non Hazard ☒ Reactive ☐ Flammable ☐ Toxic ☐ Skin Irritant ☐ Infectious ☐

TIME REQUIRED: NORMAL ☒ ____ DAYS; RUSH ☐ ____ DAYS

ANALYSES REQUIRED

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL: WATER	SOIL	OTHER (Describe)	VOCs (8240)	TOTAL VOCs (8240)	[illegible]	[illegible]	[illegible]	[illegible]				
MW-983-104	1040	8/4/98	2	2x40 ml	X			X									
MW-983-105	1045	8/4/98	5	2x40 ml, 1x250 ml, 2x125 ml	X			X	X		X	X					
MW-983-055	1055	8/4/98	6	2x40 ml, 1x250 ml, 2x125 ml	X		161	X	X	X	X	X	X				
MW-983-001	1415	8/4/98	6	2x40 ml, 1x250 ml, 2x125 ml	X			X	X								

LABORATORY INSTRUCTIONS/COMMENTS

LEVEL IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[signature]	8/4/98	[signature]			
COMPANY: Frame	TIME: 1520	COMPANY: M.W.	COMPANY	TIME	COMPANY

F-2

SHIPPING COPY

MONTGOMERY LABORATORIES COOLER RECEIPT FORM

PROJECT: Ensench Date Received: 8/4/98

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: 8/4/98

by (print) VyAY Mepani (sign) Vyay Mepani

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: 2, on top
   If Yes, enter the following: seal date: 8/4/98, seal name: TPB

3. Were custody seals unbroken & intact at delivery? (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: UKM (date) 8/4/98

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

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? (Yes) No
    If NO, indicate descrepancies on back.

15. Were correct containers useed 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? (Yes) No
    If NO, list by sample id on back.

19. Was Client Services informed of problems? Yes No

Report Summary of positive results, PR45760

			Result	MDL	UNITS
Analyzed	980804159	MW-983-104			
Analyzed	980804160	MW-983-105			
Analyzed	980804161	MW-983-055			
08/09/98	Alkalinity		180	2.000	MGL
08/12/98	Anion Sum		4.73	.001	MEQL
08/09/98	Bicarbonate as HCO3,calculated		219	.001	MGL
08/20/98	Calcium, Total, ICAP		53	1.000	MGL
08/09/98	Carbonate as CO3, Calculated		0.284	.001	MGL
08/23/98	Cation Sum		5.44	.001	MEQL
08/05/98	Chloride		8.6	2.000	MGL
09/02/98	Iron, Total, ICAP/MS		1300	******	UGL
08/05/98	Lab pH		7.3	.001	UNIT
08/20/98	Magnesium, Total, ICAP		20	.100	MGL
08/05/98	Nitrate-N by IC		0.99	.200	MGL
08/20/98	Potassium, Total, ICAP		4.1	1.000	MGL
08/20/98	Sodium, Total, ICAP		24	1.000	MGL
08/11/98	Specific Conductance		480	4.000	UMHO
08/05/98	Sulfate		39	4.000	MGL
08/10/98	Total Dissolved Solid (TDS)		300	10.000	MGL
Analyzed	980804162	MW-983-001			
08/09/98	Alkalinity		170	2.000	MGL
08/12/98	Anion Sum		4.20	.001	MEQL
08/09/98	Bicarbonate as HCO3,calculated		207	.001	MGL
08/20/98	Calcium, Total, ICAP		40	1.000	MGL
08/09/98	Carbonate as CO3, Calculated		0.849	.001	MGL
08/23/98	Cation Sum		4.76	.001	MEQL
08/05/98	Chloride		9.4	1.000	MGL
09/02/98	Iron, Total, ICAP/MS		350	******	UGL
08/05/98	Lab pH		7.8	.001	UNIT
08/20/98	Magnesium, Total, ICAP		10	.100	MGL
08/05/98	Nitrate-N by IC		1.1	.100	MGL
08/20/98	Potassium, Total, ICAP		2.5	1.000	MGL
08/20/98	Sodium, Total, ICAP		43	1.000	MGL
08/11/98	Specific Conductance		435	4.000	UMHO
08/05/98	Sulfate		22	2.000	MGL
08/10/98	Total Dissolved Solid (TDS)		270	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

MONTGOMERY WATSON LABS.
SUBMITTED ON

SEP 1 8 1995

DEB* Debbie Frank

Report#: 45760
JPL

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
Pasadena, California 91101
818 568 6400; Fax: 818 568 6324;
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Laboratory
Report
#45760

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

Samples Received
04-aug-1998 15:41:09

MW-983-104 (980804159) Sampled on 08/04/98

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/06/98	82301	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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
#45760

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/06/98	82301	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Laboratory
Report
#45760

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-983-105 (980804160) Sampled on 08/04/98								
08/07/98	08/12/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	08/11/98	82341	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/04/98	81782	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82301	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/06/98	82301	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82301	(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	91	% 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
			(Surrogate)	Toluene-d8	100	% Rec		
MW-983-055 (980804161) Sampled on 08/04/98								
	08/09/98	82750	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	08/12/98		(ML/SM1040)	Anion Sum	4.73	meq/l	0.0010	1
08/07/98	09/15/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82723	(EPA/ML 200.7)	Calcium, Total, ICAP	53	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	5.44	meq/l	0.0010	1
	08/05/98	82156	(ML/EPA 300)	Chloride	8.6	mg/l	2.0	2
	08/11/98	82341	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/09/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.284	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/04/98	81782	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/11/98	82191	(ML/S2510B)	Specific Conductance	480	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1300	ug/l	100	1
	08/09/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
08/11/98	08/20/98	82725	(ML/EPA 200.7)	Potassium, Total, ICAP	4.1	mg/l	1.0	1
08/11/98	08/20/98	82727	(ML/EPA 200.7)	Magnesium, Total, ICAP	20	mg/l	0.10	1
08/11/98	08/20/98	82729	(ML/EPA 200.7)	Sodium, Total, ICAP	24	mg/l	1.0	1
	08/05/98	82158	(ML/EPA 300.0)	Nitrate-N by IC	0.99	mg/l	0.20	2
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/05/98	81808	(ML/SM 4500H)	Lab pH	7.3	Units	0.0010	1
	08/05/98	82160	(ML/EPA 300.0)	Sulfate	39	mg/l	4.0	2
	08/10/98	82354	(ML/S2540C)	Total Dissolved Solid (TDS)	300	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82301	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(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
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/06/98	82301	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82301	(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	99	% Rec		

MW-983-001 (980804162) Sampled on 08/04/98

	08/09/98	82750	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	08/12/98		(ML/SM1040)	Anion Sum	4.20	meq/l	0.0010	1
08/07/98	09/15/98	82334	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
08/11/98	08/20/98	82723	(EPA/ML 200.7)	Calcium, Total, ICAP	40	mg/l	1.0	1
	08/23/98		(ML/SM1040)	Cation Sum	4.76	meq/l	0.0010	1
	08/05/98	82156	(ML/EPA 300)	Chloride	9.4	mg/l	1.0	1
	08/11/98	82341	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
	08/09/98		(ML/S2320-B)	Carbonate as CO3, Calculated	0.849	mg/l	0.0010	1
08/07/98	09/02/98	83409	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/04/98	81782	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
	08/11/98	82192	(ML/S2510B)	Specific Conductance	435	umho/cm	4.0	1
08/07/98	09/02/98	83419	(EPA/ML 200.8)	Iron, Total, ICAP/MS	350	ug/l	100	1
	08/09/98		(ML/S2330B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
08/11/98	08/20/98	82725	(ML/EPA 200.7)	Potassium, Total, ICAP	2.5	mg/l	1.0	1
08/11/98	08/20/98	82727	(ML/EPA 200.7)	Magnesium, Total, ICAP	10	mg/l	0.10	1
08/11/98	08/20/98	82729	(ML/EPA 200.7)	Sodium, Total, ICAP	43	mg/l	1.0	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/05/98	82158	(ML/EPA 300.0)	Nitrate-N by IC	1.1	mg/l	0.10	1
08/07/98	09/10/98	83811	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/05/98	81808	(ML/SM 4500H)	Lab pH	7.8	Units	0.0010	1
	08/05/98	82160	(ML/EPA 300.0)	Sulfate	22	mg/l	2.0	1
	08/10/98	82354	(ML/S2540C)	Total Dissolved Solid (TDS)	270	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	08/06/98	82301	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/06/98	82301	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(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
	08/06/98	82301	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/06/98	82301	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Laboratory
QC Report
#45760

Foster Wheeler Environmental, Inc

QC Batch #81782 Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	80804161		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.0496	99.2	(78.00 - 118.00)	1.2
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.0502	100.4	(80.00 - 120.00)	0.00

QC Batch #81808 Lab pH

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	lab # 98	0804162		(0.00 - 0.00)	

QC Batch #82156 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Chloride	25	26	104.0	(90.00 - 110.00)	
LCS2	Chloride	25	26	104.0	(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 #82158 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Nitrate-N by IC	2.5	2.6	104.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.6	104.0	(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

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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 #82160 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Sulfate	50	52	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	52	104.0	(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

QC Batch #82191 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0804161		(0.00 - 0.00)	

QC Batch #82192 Specific Conductance

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0805127		(0.00 - 0.00)	

QC Batch #82301 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	8	8.24	103.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	8	8.65	108.1	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	8	8.44	105.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	8	7.46	93.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				

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LCS1	1,1-Dichloroethylene	8	6.38	79.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	8	6.48	81.0	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	8	6.27	78.4	(70.00 - 130.00)	3.3
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	8	8.89	111.1	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	8	8.18	102.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	8	8.29	103.6	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.26	103.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	8	9.02	112.8	(70.00 - 130.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	o-Chlorotoluene	ND				
MBLK	p-Chlorotoluene	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Benzene	8	8.06	100.8	(70.00 - 130.00)	
MBLK	Benzene	ND				
MS	Benzene	8	8.53	106.6	(70.00 - 130.00)	
MSD	Benzene	8	8.72	109.0	(70.00 - 130.00)	2.2
MBLK	Bromobenzene	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	8	8.09	101.1	(70.00 - 130.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	8	8.87	110.9	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	8	8.78	109.7	(70.00 - 130.00)	

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MSD	Chlorobenzene	8	9.15	114.4	(70.00 - 130.00)	4.1
LCS1	Carbon Tetrachloride	8	8.11	101.4	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	8	9.09	113.6	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	8	8.58	107.2	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Bromochloromethane	ND				
MBLK	Chloroethane	ND				
MBLK	Chloromethane(Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	8	9.23	115.4	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	8	8.53	106.6	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	8	7.50	93.8	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	8	8.53	106.6	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	4	4.00	100.0	(70.00 - 130.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
MBLK	Hexachlorobutadiene	ND				
MBLK	Isopropylbenzene	ND				
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	16	17.3	108.1	(70.00 - 130.00)	
MBLK	m,p-Xylenes	ND				
MBLK	Naphthalene	ND				
MBLK	n-Butylbenzene	ND				
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	8	9.01	112.6	(70.00 - 130.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	8	8.71	108.9	(70.00 - 130.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	8	8.02	100.2	(70.00 - 130.00)	
MBLK	Tetrachloroethylene (PCE)	ND				

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MBLK	p-Isopropyltoluene	ND				
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	8	9.11	113.9	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	96	96.0	(80.00 - 120.00)	
MBLK	1,2-dichloroethane-d4	100	104	104.0		
MS	1,2-dichloroethane-d4	100	98	98.0	(80.00 - 120.00)	
MSD	1,2-dichloroethane-d4	100	107	107.0	(80.00 - 120.00)	8.8
LCS1	Toluene-d8	100	95	95.0	(80.00 - 120.00)	
MBLK	Toluene-d8	100	98	98.0		
MS	Toluene-d8	100	99	99.0	(80.00 - 120.00)	
MSD	Toluene-d8	100	86	86.0	(80.00 - 120.00)	14
LCS1	4-Bromofluorobenzene	100	101	101.0	(80.00 - 120.00)	
MBLK	4-Bromofluorobenzene	100	94	94.0		
MS	4-Bromofluorobenzene	100	103	103.0	(80.00 - 120.00)	
MSD	4-Bromofluorobenzene	100	99	99.0	(80.00 - 120.00)	4.0
LCS1	trans-1,2-Dichloroethylene	8	7.29	91.1	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	8	8.27	103.4	(70.00 - 130.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	8	8.42	105.2	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	8	8.93	111.6	(70.00 - 130.00)	5.9
LCS1	Trichlorotrifluoroethane(Freon	4	4.80	120.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane(Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	8	8.58	107.2	(70.00 - 130.00)	
MBLK	Toluene	ND				
MS	Toluene	8	9.02	112.8	(70.00 - 130.00)	
MSD	Toluene	8	8.10	101.2	(70.00 - 130.00)	11
LCS1	Vinyl chloride (VC)	4	4.09	102.2	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

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1 800 566 LABS (1 800 566 5227)

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82334 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0186	93.0	(85.00 - 115.00)	2.1
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0255	127.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0233	116.5	(85.00 - 115.00)	9.0

QC Batch #82341 Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0727128		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.4	97.0	(90.00 - 110.00)	3.5
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.1	100.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	21.5	107.5	(75.00 - 125.00)	6.7

QC Batch #82354 Total Dissolved Solid (TDS)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
DUP	Spiked sample	Lab # 98	0804036		(0.00 - 0.00)	
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				

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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Foster Wheeler Environmental, Inc
(continued)

QC Batch #82723 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Calcium, Total, ICAP	50	54.9	109.8	(90.00 - 110.00)	
LCS2	Calcium, Total, ICAP	50	55.3	110.6	(90.00 - 110.00)	0.73
MBLK	Calcium, Total, ICAP	ND				
MS	Calcium, Total, ICAP	50	54.4	108.8	(80.00 - 120.00)	
MSD	Calcium, Total, ICAP	50	53.7	107.4	(80.00 - 120.00)	1.3

QC Batch #82725 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Potassium, Total, ICAP	20	21.3	106.5	(80.00 - 110.00)	
LCS2	Potassium, Total, ICAP	20	21.5	107.5	(80.00 - 110.00)	0.93
MBLK	Potassium, Total, ICAP	ND				
MS	Potassium, Total, ICAP	20	21.7	108.5	(80.00 - 120.00)	
MSD	Potassium, Total, ICAP	20	21.6	108.0	(80.00 - 120.00)	0.46

QC Batch #82727 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Magnesium, Total, ICAP	20	21.5	107.5	(85.00 - 115.00)	
LCS2	Magnesium, Total, ICAP	20	21.7	108.5	(85.00 - 115.00)	0.93
MBLK	Magnesium, Total, ICAP	ND				
MS	Magnesium, Total, ICAP	20	21.4	107.0	(70.00 - 130.00)	
MSD	Magnesium, Total, ICAP	20	21.1	105.5	(70.00 - 130.00)	1.4

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

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Laboratory
QC Report
#45760

Foster Wheeler Environmental, Inc
(continued)

QC Batch #82729 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0805128		(0.00 - 0.00)	
LCS1	Sodium, Total, ICAP	50	51.3	102.6	(80.00 - 120.00)	
LCS2	Sodium, Total, ICAP	50	51.7	103.4	(80.00 - 120.00)	0.78
MBLK	Sodium, Total, ICAP	ND				
MS	Sodium, Total, ICAP	50	52.0	104.0	(80.00 - 120.00)	
MSD	Sodium, Total, ICAP	50	51.5	103.0	(80.00 - 120.00)	0.97

QC Batch #82750 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0804161		(0.00 - 0.00)	
LCS1	Alkalinity	96.2	99.7	103.6	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	101	105.0	(90.00 - 110.00)	1.3
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	90.6	94.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	88.5	92.0	(80.00 - 120.00)	2.3

QC Batch #83409 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	93.5	94.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98.3	98.0	(85.00 - 115.00)	5.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	96.2	96.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.4	99.0	(70.00 - 130.00)	3.3

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #83419 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Iron, Total, ICAP/MS	500	507	101.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	545	109.0	(85.00 - 115.00)	7.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	509	101.8	(70.00 - 130.00)	0.00

QC Batch #83811 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 98	0803027		(0.00 - 0.00)	
LCS1	Lead, Total, ICAP/MS	20	22.0	110.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.5	107.5	(85.00 - 115.00)	2.3
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19.3	96.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.7	103.5	(70.00 - 130.00)	7.0

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

September 20, 1998

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

Attention: Mark Cutler

Re: Report # 45809 (MW-983-106, -066, -062, -061, -067, -064)

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):
(As-GF) The limits for MS/MSD are incorrectly listed in the QC report as 85-115. The actual limits used for MS/MSD are 70-130%. All data is acceptable.
(Ca-FL) The Limits for LCS are incorrectly listed in the QC report as 90-110%. The actual limits used for LCS are 85-115%. All data is acceptable.

Samples requiring dilution (with increased MRL's):
Diluted for Anions: MW-983-066

Method blanks with compounds detected:
None

Other Comments:
Cations are analyzed by EPA 200.7.
The ion balance exceeds QC criteria for sample ID: MW-983-066, -062, -067, -064

TICS:
None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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Pasadena, California 91101
Tel: 626 568 6400
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Quality Environmental Analysis

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Montgomery Watson Laboratories
, Los Angeles, CA 90051-3508
PHONE: 626-568-6400/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#007618-0003
Group#: 45809
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 08/05/98. 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
980805126	MW-983-106						Water	08/05/98
		@EBASVOA						
980805127	MW-983-066						Water	08/05/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS		
		CATION1	ANION1	PH	EC	HCO3	CO3	
		ALK	NO3	SO4	CL	FE-MS	K	
		NA	MG	CA	CR-VI	CLO4		
980805128	MW-983-062						Water	08/05/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS		
		CATION1	ANION1	PH	EC	HCO3	CO3	
		ALK	NO3	SO4	CL	FE-MS	K	
		NA	MG	CA	CR-VI	CLO4		
980805129	MW-983-061						Water	08/05/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	CR-VI		
		CLO4						
980805130	MW-983-067						Water	08/05/98
		@EBASVOA	CR-MS	AS-GF	PB-MS	TDS		
		CATION1	ANION1	PH	EC	HCO3	CO3	
		ALK	NO3	SO4	CL	FE-MS	K	
		NA	MG	CA	CR-VI	CLO4		
980805131	MW-983-064						Water	08/05/98
		@EBASVOA	CLO4	CR-VI	CA	MG		
		NA	K	FE-MS	CL	SO4	NO3	
		ALK	CO3	HCO3	EC	PH	ANION	
		CATION1	TDS	PB-MS	AS-GF	CR-MS		

Test Acronym Description

Test Acronym	Description
@EBASVOA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum