Previous

NUMBER 2450

36263

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL

OFS NO.: 1572

PROJECT ADDRESS: 4800 Oak Grove Drive Pasadena Ca.

SAMPLER (Name): Gary L. Shaw

SAMPLER (Signature): Gary Shaw

LABORATORY: Montgomery Watson Laboratory

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)	VOCs * (EPA 524.2)	Total Cr, Pb, As (EPA 6010 Tox.)	Hexavalent Chrome	Nickel						
MW-972-40	0855	7-7-97	2	2 X 40ml 2 x 40ml	✓			X				97070071					
MW-972-39*	0935	7-7-97	4	1 X 250 ml 1 x 250ml 2 X 40ml 1 x 500ml	✓			X	X	X	X(5)	97070074					
MW-972-36	0945	7-7-97	5	1 X 125ml 1 X 250ml 2X 40ml 1 X 500ml	✓			X	X	X	X	97070075					
MW-972-29*	1105	7-7-97	5	1 X 125ml 1 X 250ml 2 X 40ml 1 X 500ml	✓			X	X	X	X	97070076					
MW-972-28	1210	7-7-97	5	1 x 125ml 1 X 250ml 2 X 40ml 1 X 500ml	✓			X	X	X	X	97070077					
MW 972 11	1450	7-7-97	5	1 X 125 ml 1 X 250ml 2 X 40ml 1 X 500ml	✓			X	X	X	X	97070078					

* Send in samples now:
MS 97070072
MSD 97070073

LABORATORY INSTRUCTIONS/COMMENTS: Level IV QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
Gary Shaw	7-7-97				
COMPANY: FWEC	TIME: 1700	COMPANY: M.W.	COMPANY	TIME	COMPANY

F-2

Report Summary of positive results, PR35263

			Result	MDL	UNITS
Analyzed	970707071	MW-972-90			
Analyzed	970707072	MW-972-29 MS			
07/08/97	1,1-Dichloroethylene		4.88	.500	UGL
07/08/97	1,2,4-Trichlorobenzene		3.55	.500	UGL
07/08/97	Benzene		4.08	.500	UGL
07/08/97	Chlorobenzene		3.67	.500	UGL
07/08/97	Chloroform (Trichloromethane)		4.39	.500	UGL
07/08/97	Toluene		3.89	.500	UGL
07/08/97	Trichloroethylene (TCE)		3.97	.500	UGL
07/08/97	p-Chlorotoluene		3.40	.500	UGL
07/08/97	p-Dichlorobenzene (1,4-DCB)		3.54	.500	UGL
Analyzed	970707073	MW-972-29 MSD			
07/08/97	1,1-Dichloroethylene		4.83	.500	UGL
07/08/97	1,2,4-Trichlorobenzene		3.61	.500	UGL
07/08/97	Benzene		4.05	.500	UGL
07/08/97	Chlorobenzene		3.62	.500	UGL
07/08/97	Chloroform (Trichloromethane)		4.33	.500	UGL
07/08/97	Toluene		3.96	.500	UGL
07/08/97	Trichloroethylene (TCE)		3.90	.500	UGL
07/08/97	p-Chlorotoluene		3.94	.500	UGL
07/08/97	p-Dichlorobenzene (1,4-DCB)		3.96	.500	UGL
Analyzed	970707074	MW-972-89			
Analyzed	970707075	MW-972-30			
07/08/97	Alkalinity		195	2.000	MGL
07/17/97	Anion Sum		9.28	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		237	.001	MGL
07/22/97	Calcium, Flame AA		87	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		1.22	.001	MGL
07/23/97	Cation Sum		9.52	.001	MEQL
07/09/97	Chloride		84	2.000	MGL
07/08/97	Lab pH		7.9	.001	UNIT
07/20/97	Magnesium, Flame AA		42	1.000	MGL
07/09/97	Nitrate-N by IC		13	.200	MGL
07/19/97	Potassium, Flame AA		4.0	1.000	MGL
07/19/97	Sodium, Flame AA		37	1.000	MGL
07/08/97	Specific Conductance		885	4.000	UMHO
07/09/97	Sulfate		100	4.000	MGL
07/10/97	Total Dissolved Solids		580	10.000	MGL
Analyzed	970707076	MW-972-29			
07/08/97	Alkalinity		165	2.000	MGL
07/17/97	Anion Sum		5.23	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		201	.001	MGL
07/22/97	Calcium, Flame AA		54	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		1.31	.001	MGL
07/23/97	Cation Sum		5.50	.001	MEQL

07/09/97	Chloride	29	2.000	MGL
07/16/97	Iron, Total, ICAP/MS	100	******	UGL
07/08/97	Lab pH	8.0	.001	UNIT
07/20/97	Magnesium, Flame AA	19	1.000	MGL
07/09/97	Nitrate-N by IC	10	.200	MGL
07/19/97	Potassium, Flame AA	2.6	1.000	MGL
07/19/97	Sodium, Flame AA	27	1.000	MGL
07/08/97	Specific Conductance	500	4.000	UMHO
07/09/97	Sulfate	19	4.000	MGL
07/10/97	Total Dissolved Solids	320	10.000	MGL

Analyzed 970707077 MW-972-28

07/08/97	Alkalinity	150	2.000	MGL
07/17/97	Anion Sum	3.57	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated	180	.001	MGL
07/22/97	Calcium, Flame AA	17	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	7.38	.001	MGL
07/23/97	Cation Sum	3.52	.001	MEQL
07/09/97	Chloride	8.5	1.000	MGL
07/16/97	Iron, Total, ICAP/MS	200	******	UGL
07/08/97	Lab pH	8.8	.001	UNIT
07/20/97	Magnesium, Flame AA	13	1.000	MGL
07/09/97	Nitrate-N by IC	0.2	.100	MGL
07/19/97	Potassium, Flame AA	2.9	1.000	MGL
07/19/97	Sodium, Flame AA	35	1.000	MGL
07/08/97	Specific Conductance	310	4.000	UMHO
07/09/97	Sulfate	15	2.000	MGL
07/10/97	Total Dissolved Solids	200	10.000	MGL

Analyzed 970707078 MW-972-11

07/08/97	Tetrachloroethylene (PCE)	1.5	.500	UGL
07/08/97	Alkalinity	225	2.000	MGL
07/17/97	Anion Sum	8.16	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated	274	.001	MGL
07/22/97	Calcium, Flame AA	91	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	0.563	.001	MGL
07/23/97	Cation Sum	8.61	.001	MEQL
07/09/97	Chloride	64	2.000	MGL
07/16/97	Iron, Total, ICAP/MS	520	******	UGL
07/08/97	Lab pH	7.5	.001	UNIT
07/20/97	Magnesium, Flame AA	32	1.000	MGL
07/09/97	Nitrate-N by IC	8.4	.200	MGL
07/19/97	Potassium, Flame AA	2.9	1.000	MGL
07/19/97	Sodium, Flame AA	31	1.000	MGL
07/08/97	Specific Conductance	770	4.000	UMHO
07/09/97	Sulfate	60	4.000	MGL
07/10/97	Total Dissolved Solids	480	10.000	MGL

QUALITY INVESTIGATION REPORT

QIR No. MS-97-026

Analysis Date: 7/8/97
Analysis: @ 524.2
Extraction Date: -
Matrix: WATER
Analyst: LLS
Instrument ID: GCMS-H (VOA-HP)

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
970707076	MW-972-29	Foster Wheeler			

Brief Description: (include reason for non-compliance)
The Internal std Area of 1,2-DCB-d4 is lower than 70% of IS 1,2DCB-d4 in CC

All other samples analyzed on the same day have acceptable IS area recoveries. LCS, Blank IS recoveries are OK, too.

Action Taken: Reanalyzed the sample using the backup vial showed the same Result. (IS 1,2-DCB-d4 < 70% area of 1,2-DCB-d4 in CC).

— The Sample is ND —

Impact on Data Quality: None. low IS area would result in high bias for hits.

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

Other: [illegible]

Annotation:

Client Contact: [illegible] 7/15/97

Extraction:		Date:	
Analyst:	Kim Subady	Date:	7/11/97
Group Leader:	Cecilia Yu	Date:	7/11/97
QA Coordinator:	[illegible]	Date:	7/11/97
Project Manager:	[illegible]	Date:	7/15/97

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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
JUL 24 1997
DEB* Debbie Frank

Report#: 35263
JPL

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Laboratory
Report
#35263

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

Samples Received
07-jul-1997 17:38:31

MW-972-90 (970707071) **Sampled on 07/07/97**

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#35263

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/08/97	64223	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=7.76)	1.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	92	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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#35263

Foster Wheeler Environmental, Inc
(continued)

MW-972-29 MS (970707072) Sampled on 07/07/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	4.88	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.55	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.54	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	3.40	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	4.08	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	3.67	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.39	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1

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Laboratory
Report
#35263

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.97	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	3.89	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-29 MSD (970707073) Sampled on 07/07/97								
				Regulated VOCs plus Lists 1&3				
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	4.83	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.61	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.96	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	3.94	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	4.05	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	3.62	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.33	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.90	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	3.96	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-89 (970707074) Sampled on 07/07/97								
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/08/97	64223	(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
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=7.75)	1.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	102	% Rec		
MW-972-30 (970707075)			**Sampled on 07/07/97**					
	07/08/97	64209	(ML/S2320B)	Alkalinity	195	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	9.28	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	87	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	9.52	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	84	mg/l	2.0	2
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.22	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	885	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	237	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	4.0	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	42	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	37	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	13	mg/l	0.20	2
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/08/97		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	07/09/97	64293	(ML/EPA 300)	Sulfate	100	mg/l	4.0	2
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	580	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(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
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/08/97	64223	(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
	07/08/97	64223	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/08/97	64223	(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	88	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-972-29 (970707076) Sampled on 07/07/97

	07/08/97	64209	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	5.23	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	54	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	5.50	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	29	mg/l	2.0	2
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.31	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	500	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	100	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	201	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	10	mg/l	0.20	2

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/08/97		(ML/S4500H-B)	Lab pH	8.0	Units	0.0010	1
	07/09/97	64293	(ML/EPA 300)	Sulfate	19	mg/l	4.0	2
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	320	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/08/97	64223	(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
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	92	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-28 (970707077) Sampled on 07/07/97								
	07/08/97	64209	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	3.57	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	17	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	3.52	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	8.5	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	7.38	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	310	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	200	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	180	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	35	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	0.2	mg/l	0.10	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/08/97		(ML/S4500H-B)	Lab pH	8.8	Units	0.0010	1
	07/09/97	64293	(ML/EPA 300)	Sulfate	15	mg/l	2.0	1
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	200	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	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
#35263

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(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
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/08/97	64223	(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	91	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-972-11 (970707078) Sampled on 07/07/97

	07/08/97	64210	(ML/S2320B)	Alkalinity	225	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	8.16	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	91	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	8.61	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	64	mg/l	2.0	2
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.563	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	770	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	520	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	274	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	32	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	31	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	8.4	mg/l	0.20	2
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/08/97		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	07/09/97	64293	(ML/EPA 300)	Sulfate	60	mg/l	4.0	2
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	480	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/08/97	64223	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromochloromethane	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
	07/08/97	64223	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/08/97	64223	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.5	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/08/97	64223	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/08/97	64223	(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	86	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Report
Comments
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Group Comments

(Iron) There was a trace hit for Iron in the prep blank at 38ppb less than half the reporting limit. No action is taken

(970707076)
@VOASDWA
The IS-area of 1,2-DCB-d14 is lower than 70% .
See QIR-MS-97-026.

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Laboratory
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Foster Wheeler Environmental, Inc

QC Batch #64207 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0484	96.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0511	102.2	(78.00 - 118.00)	5.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0470	94.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0484	96.8	(80.00 - 120.00)	2.9

QC Batch #64209 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	116	120.6	(80.00 - 120.00)	
MSD	Alkalinity	96.2	110	114.3	(80.00 - 120.00)	5.3

QC Batch #64210 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	116	120.6	(80.00 - 120.00)	
MSD	Alkalinity	96.2	110	114.3	(80.00 - 120.00)	5.3

QC Batch #64219 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	652	93.1	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

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

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(continued)

QC Batch #64223 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.73	93.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.68	92.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.45	86.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.89	97.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.29	107.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.38	84.5	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.55	88.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.74	84.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.69	92.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	3.59	89.8	(70.00 - 130.00)	

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

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MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.33	83.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.58	89.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.52	88.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.42	85.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.75	93.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.88	97.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.66	91.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.97	98.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.49	87.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.74	93.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.63	90.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.58	89.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	3.98	120.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.92	96.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			

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

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
#35263

Foster Wheeler Environmental, Inc
(continued)

LCS1	cis-1,2-Dichloroethylene	4	3.47	86.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.24	90.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.65	91.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.61	90.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.49	87.2	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.26	106.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64291 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.1	96.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.2	96.8	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	24.3	97.2	(80.00 - 120.00)	
MSD	Chloride	25	24.7	98.8	(80.00 - 120.00)	1.6

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #64292 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	0.00

QC Batch #64293 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.1	94.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.1	94.2	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	49.2	98.4	(70.00 - 130.00)	
MSD	Sulfate	50	49.5	99.0	(70.00 - 130.00)	0.61

QC Batch #64407 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0177	88.5	(85.00 - 115.00)	22
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.023	115.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	2.2

QC Batch #64437 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	504	100.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	515	103.0	(85.00 - 115.00)	2.2
MBLK	Iron, Total, ICAP/MS	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Iron, Total, ICAP/MS	500	521	104.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	580	116.0	(70.00 - 130.00)	11

QC Batch #64444 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	106	106.0	(85.00 - 115.00)	0.95
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	0.00

QC Batch #64446 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.9	104.5	(85.00 - 115.00)	5.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.7	98.5	(70.00 - 130.00)	8.7

QC Batch #64567 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	3.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.6	113.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	22.5	112.5	(85.00 - 115.00)	0.44

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #64570 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	0.00
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	52.1	104.2	(85.00 - 115.00)	0.38

QC Batch #64572 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.3	106.5	(90.00 - 110.00)	3.8
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	0.95

QC Batch #64576 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	54.8	109.6	(90.00 - 110.00)	5.8
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.6	99.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.3	100.6	(85.00 - 115.00)	1.4

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

MONTGOMERY WATSON LABORATORIES

July 30, 1997

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

Attention: Mark Cutler

Re: Report # 34913 (MW-972-68,-20,-22,-67,-25,-33,-34,-26,-46,-47,-49)

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):
(Calcium) MW-972-20,-22,-67,-25,-33,-2646,-49: The MS associated with these samples recovered outside the QC limits, at 82%. The RPD, with the MSD, was acceptable. This is contributed to matrix affect.
(VOC) MW-972-33: The Trichloroethylene data is an estimate, reported from the undiluted result which exceeded the calibration range of the analysis. (QIR MS-97-023)
Samples requiring dilution (with increased MRL's):
MW-972-46,-26,-33,-22,-20: Chloride, Nitrate, and Sulfate.
MW-972-26 : Carbon Tetrachloride, Chloroform, and Trichloroethylene
Method blanks with compounds detected:
(IRON) MW-972- : There was a trace amount of iron in the Method Blank. The value, 66.9 ppb, is greater than 1/2 the MRL.
Other Comments:
Tetrachloroethylene were detected in sample ID: MW-972-26
Trichloroethylene was detected in sample ID: MW-972-22,-33,-34,-26,-46,-47.
Chloroform was detected in sample ID: MW-972-20,-22,-33,-34,-26
Toluene was detected in sample ID: MW-972-67
1,1-Dichloroethylene was detected in sample ID: MW-972-33,-26
1,2-Dichloroethane was detected in sample ID: MW-972-33,-34,-26
Carbon Tetrachloride was detected in sample ID: MW-972-33,-34,-26
Trichlortrifluoroethane was detected in sample ID: MW-972-26
Total Chromium was detected in sample ID: MW-972-38,-34,-46,-47
Hexavalent Chrome was detected in sample ID: MW-972-38,-34

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 34913
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

The following samples were received from you on 06/17/97. 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	Matrix / Tests Scheduled					Sample Date
970617161	MW-972-68	Water					06/17/97
		@VOASDWA					
970617162	MW-972-20	Water					06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970617163	MW-972-22	Water					06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970617164	MW-972-67	Water					06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970617165	MW-972-25	Water					06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970617166	MW-972-33	Water					06/17/97
		@TBT	@VOASDWA	CR-MS	PB-MS	AS-GF	
		TDS	CATION	ANION1	PH	EC	HCO3
		CO3	ALK	NO3	SO4	CL	FE-MS
		K-FL	NA-FL	MG-FL	CA-FL	CR-VI	
970617167	MW-972-34	Water					06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970617168	MW-972-26	Water					06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		

46897 SCR#
201725 CLIENT#

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 34913
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

Sample#	Sample Id	Tests Scheduled		Matrix			Sample Date
970617169	MW-972-46			Water			06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970617170	MW-972-47			Water			06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970617171	MW-972-49			Water			06/17/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		

Test Acronym Description

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

39913

FOSTER WHEELER ENVIRONMENTAL CORPORATION №0912

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Project: JPL

OFS No. 1572.0218

Project Address: 4800 OAK GROVE DR. PASADENA, CA

Sampler (Name): J. BRENNER

Sampler: (Signature): J. Br

Laboratory: MONTGOMERY LABS

Reports to Be Sent to: MR. MARK CUTLER

HAZARD IDENTIFICATION: Nonhazard ☒ 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 EPA 524.2	TOTAL C, Pb, As EPA (6010/7060)	ANIONS	HEX C.	TBT	
MW-972-60	0830	6/17/97	2	2x 40ml	X			X					970617161
MW-972-20	0900	6/17/97	5	2x40ml 1x500ml 1x250ml 1x125ml	X			X	X	X	X		970617162
MW-972-22	1435	6/17/97	5	2x40ml 1x500ml 1x250ml 1x125ml	X	X		X	X	X	X		970617163
MW-972-67	1515	6/17/97	4	2x40ml 1x250ml 1x125ml	X			X	X		X		970617164
MW-972-25	1600	6/17/97	5	2x40ml 1x500ml 1x250ml 1x125ml	X			X	X	X	X		970617165
MW-972-33	1035	6/17/97	8	3x1L 1x250ml 2x40ml 1x125ml 1x500ml	X			X	X	X	X	X	970617166
MW-972-34	1045	6/17/97	5	2x40ml 1x500ml 1x250ml 1x125ml	X			X	X	[illegible]	X	[illegible]	970617167
MW-972-26	0905	6/17/97	5	↓	X			X	X	X	X	[illegible]	970617168
MW-972-46	1510	6/17/97	5	↓	X			X	X	X	X		970617169
MW-972-47	1525	6/17/97	4	2x40ml 1x125ml 1x250ml	X			X	X		X		970617170
MW-972-49	1355	6/17/97	5	2x40ml 1x500ml 1x250ml 1x125ml	X			X	X	X	X		970617171

LABORATORY INSTRUCTIONS/COMMENTS:

LEVEL IV QA/QC

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	6-17-97				
Company: FWEC	Time: 1710	Company: MONT. WATSON	Company:	Time:	Company:

F-2

Shipping Copy (Pink) • File Copy (White) • Field Copy (Canary)

Report Summary of positive results, PR34913

			Result	MDL	UNITS
Analyzed	970617161	MW-972-68			
Analyzed	970617162	MW-972-20			
06/23/97	Chloroform (Trichloromethane)		0.8	.500	UGL
06/19/97	Alkalinity		150	2.000	MGL
07/01/97	Anion Sum		5.67	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated		185	.001	MGL
07/02/97	Calcium, Flame AA		61	1.000	MGL
07/01/97	Carbonate as CO3, Calculated		0.302	.001	MGL
07/10/97	Cation Sum		5.43	.001	MEQL
06/18/97	Chloride		30	2.000	MGL
06/23/97	Lab pH		7.4	.001	UNIT
07/02/97	Magnesium, Flame AA		19	1.000	MGL
06/18/97	Nitrate-N by IC		6.0	.200	MGL
07/02/97	Potassium, Flame AA		2.9	1.000	MGL
07/02/97	Sodium, Flame AA		17	1.000	MGL
06/18/97	Specific Conductance		510	4.000	UMHO
06/18/97	Sulfate		67	4.000	MGL
06/20/97	Total Dissolved Solids		340	10.000	MGL
Analyzed	970617163	MW-972-22			
06/23/97	Chloroform (Trichloromethane)		0.6	.500	UGL
06/23/97	Trichloroethylene (TCE)		4.5	.500	UGL
06/19/97	Alkalinity		200	2.000	MGL
07/01/97	Anion Sum		5.06	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated		245	.001	MGL
07/02/97	Calcium, Flame AA		51	1.000	MGL
07/01/97	Carbonate as CO3, Calculated		1.59	.001	MGL
07/17/97	Cation Sum		5.01	.001	MEQL
06/18/97	Chloride		12	2.000	MGL
06/23/97	Lab pH		8.0	.001	UNIT
07/02/97	Magnesium, Flame AA		13	1.000	MGL
06/18/97	Nitrate-N by IC		2.2	.200	MGL
07/02/97	Potassium, Flame AA		1.8	1.000	MGL
07/02/97	Sodium, Flame AA		31	1.000	MGL
06/18/97	Specific Conductance		455	4.000	UMHO
06/18/97	Sulfate		27	4.000	MGL
06/20/97	Total Dissolved Solids		280	10.000	MGL
Analyzed	970617164	MW-972-67			
06/23/97	Toluene		0.6	.500	UGL
Analyzed	970617165	MW-972-25			
06/19/97	Alkalinity		135	2.000	MGL
07/01/97	Anion Sum		3.54	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated		165	.001	MGL
07/02/97	Calcium, Flame AA		39	1.000	MGL
07/01/97	Carbonate as CO3, Calculated		0.427	.001	MGL
07/10/97	Cation Sum		3.56	.001	MEQL
06/18/97	Chloride		5.8	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		140	******	UGL

06/23/97	Lab pH	7.6	.001	UNIT
07/02/97	Magnesium, Flame AA	12	1.000	MGL
06/18/97	Nitrate-N by IC	1.0	.100	MGL
07/02/97	Potassium, Flame AA	2.2	1.000	MGL
07/02/97	Sodium, Flame AA	13	1.000	MGL
06/18/97	Specific Conductance	310	4.000	UMHO
06/18/97	Sulfate	29	2.000	MGL
06/20/97	Total Dissolved Solids	200	10.000	MGL
Analyzed	970617166 MW-972-33			
06/24/97	Data Entry	07/07/97		--
06/23/97	1,1-Dichloroethylene	0.5	.500	UGL
06/23/97	1,2-Dichloroethane	0.9	.500	UGL
06/23/97	Carbon Tetrachloride	6.4	.500	UGL
06/23/97	Chloroform (Trichloromethane)	11	.500	UGL
06/23/97	Trichloroethylene (TCE)	24 E	.500	UGL
06/19/97	Alkalinity	155	2.000	MGL
07/01/97	Anion Sum	5.63	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated	190	.001	MGL
07/02/97	Calcium, Flame AA	60	1.000	MGL
07/01/97	Carbonate as CO3, Calculated	0.390	.001	MGL
07/10/97	Cation Sum	5.27	.001	MEQL
06/19/97	Chloride	22	2.000	MGL
07/08/97	Chromium, Total, ICAP/MS	38	10.000	UGL
06/18/97	Hexavalent chromium	0.037	.005	MGL
07/19/97	Iron, Total, ICAP/MS	130	******	UGL
06/23/97	Lab pH	7.5	.001	UNIT
07/02/97	Magnesium, Flame AA	19	1.000	MGL
06/19/97	Nitrate-N by IC	9.3	.200	MGL
07/02/97	Potassium, Flame AA	2.8	1.000	MGL
07/02/97	Sodium, Flame AA	21	1.000	MGL
06/18/97	Specific Conductance	525	4.000	UMHO
06/19/97	Sulfate	60	4.000	MGL
06/20/97	Total Dissolved Solids	340	10.000	MGL
Analyzed	970617167 MW-972-34			
06/24/97	1,2-Dichloroethane	0.9	.500	UGL
06/24/97	Carbon Tetrachloride	6.6	.500	UGL
06/24/97	Chloroform (Trichloromethane)	11	.500	UGL
06/24/97	Trichloroethylene (TCE)	21	1.000	UGL
07/08/97	Chromium, Total, ICAP/MS	36	10.000	UGL
06/18/97	Hexavalent chromium	0.037	.005	MGL
Analyzed	970617168 MW-972-26			
06/24/97	1,1-Dichloroethylene	1.7	.500	UGL
06/24/97	1,2-Dichloroethane	2.1	.500	UGL
06/24/97	Carbon Tetrachloride	68	2.500	UGL
06/24/97	Chloroform (Trichloromethane)	43	2.500	UGL
06/24/97	Tetrachloroethylene (PCE)	1.1	.500	UGL
06/24/97	Trichloroethylene (TCE)	25	2.500	UGL
06/24/97	Trichlorotrifluoroethane(Freon	0.6	.500	UGL
06/19/97	Alkalinity	145	2.000	MGL
07/01/97	Anion Sum	5.28	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated	175	.001	MGL
07/02/97	Calcium, Flame AA	56	1.000	MGL
07/01/97	Carbonate as CO3, Calculated	0.453	.001	MGL
07/10/97	Cation Sum	5.34	.001	MEQL

06/19/97	Chloride	23	2.000	MGL
07/19/97	Iron, Total, ICAP/MS	130	******	UGL
06/23/97	Lab pH	7.6	.001	UNIT
07/02/97	Magnesium, Flame AA	19	1.000	MGL
06/19/97	Nitrate-N by IC	12	.200	MGL
07/02/97	Potassium, Flame AA	2.5	1.000	MGL
07/02/97	Sodium, Flame AA	21	1.000	MGL
06/18/97	Specific Conductance	500	4.000	UMHO
06/19/97	Sulfate	42	4.000	MGL
06/20/97	Total Dissolved Solids	320	10.000	MGL

Analyzed 970617169 MW-972-46

06/23/97	Trichloroethylene (TCE)	2.2	.500	UGL
06/19/97	Alkalinity	160	2.000	MGL
07/01/97	Anion Sum	6.07	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated	195	.001	MGL
07/02/97	Calcium, Flame AA	66	1.000	MGL
07/01/97	Carbonate as CO3, Calculated	0.201	.001	MGL
07/10/97	Cation Sum	5.79	.001	MEQL
06/19/97	Chloride	36	2.000	MGL
07/08/97	Chromium, Total, ICAP/MS	14	10.000	UGL
07/19/97	Iron, Total, ICAP/MS	140	******	UGL
06/23/97	Lab pH	7.2	.001	UNIT
07/02/97	Magnesium, Flame AA	21	1.000	MGL
06/19/97	Nitrate-N by IC	5.6	.200	MGL
07/02/97	Potassium, Flame AA	2.7	1.000	MGL
07/02/97	Sodium, Flame AA	16	1.000	MGL
06/18/97	Specific Conductance	550	4.000	UMHO
06/19/97	Sulfate	70	4.000	MGL
06/20/97	Total Dissolved Solids	360	10.000	MGL

Analyzed 970617170 MW-972-47

06/23/97	Trichloroethylene (TCE)	2.3	.500	UGL
07/08/97	Chromium, Total, ICAP/MS	13	10.000	UGL

Analyzed 970617171 MW-972-49

06/19/97	Alkalinity	160	2.000	MGL
07/01/97	Anion Sum	4.53	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated	195	.001	MGL
07/02/97	Calcium, Flame AA	49	1.000	MGL
07/01/97	Carbonate as CO3, Calculated	0.504	.001	MGL
07/17/97	Cation Sum	4.41	.001	MEQL
06/19/97	Chloride	12	1.000	MGL
06/23/97	Lab pH	7.6	.001	UNIT
07/08/97	Lead, Total, ICAP/MS	2.3	2.000	UGL
07/02/97	Magnesium, Flame AA	15	1.000	MGL
06/19/97	Nitrate-N by IC	1.7	.100	MGL
07/02/97	Potassium, Flame AA	2.7	1.000	MGL
07/02/97	Sodium, Flame AA	15	1.000	MGL
06/18/97	Specific Conductance	395	4.000	UMHO
06/19/97	Sulfate	42	2.000	MGL
06/20/97	Total Dissolved Solids	260	10.000	MGL

QUALITY INVESTIGATION REPORT

QIR No. MS-97-023

Analysis Date: 6-23-97, 6-24-97 Analysis: 524.2

Extraction Date: NA Matrix: 1

Analyst: COL Instrument ID: GCMSD

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
9706171 66	MW-972-33	FOSTER WHEELER			

Brief Description: (include reason for non-compliance)

low Internal standard recovery in diluted run twice. (diluted for TCE)
Trichloroethylene (TCE) will be reported in neat run.
It will be above the calibration range of 20 ppb.
TCE detected at 24 ppb

Action Taken:

sample rerun at dilution 2X. Both times IS #1 was low. All other samples and blanks analyzed on 6/23 have good IS recovery. (No more sample left!)

Impact on Data Quality:

Do not recommend reporting TCE from diluted run due to low IS. which would make the result biased high.

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

Other: Qualify reported #

Annotation:

Client Contact: Report original Qualified - Will get back re: resample
Craig Rick 7/2/97

Extraction:		Date:	
Analyst:	Cecilia Lei	Date:	6-24-97
Group Leader:	Cecilia Lei	Date:	6-24-97
QA Coordinator:	Nedra Roy	Date:	6-25-97
Project Manager:	[illegible]	Date:	7/2/97

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555 E. Walnut Street Pasadena, CA 91101
(818) 568-6400 Fax: (818) 568-6324

P.O.# Sub 97-197

SUB LAB QUOTE #

6/19/97
Date

MWL GROUP # 34913

Doug Clark
SUB LAB CONTACT

SUB LAB: *ToxScan*
42 Hangar Way
Watsonville, CA 95076-2404
(408) 724-4522 Fax: (408) 724-3188

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

MWL LAB NUMBER	SAMPLE ID	SAMPLE DATE	RESULTS NEEDED BY	ANALYTICAL TEST/METHOD	MATRIX	DELIVERABLES	UNITS	FORMS REQUIRED
970617166	MW-972-33	6/17/97	7/7/97	TRIBUTYLTIN		Level IV QC		

JUL 03 RECD

TOTAL BILLABLE SAMPLES

SPECIAL REQUIREMENTS: **NEED LEVEL IV DATA PACKAGE**

RELINQUISHED BY Martin DeMesa DATE: 6/19/97

RECEIVED BY: DATE:

ToxScan, Inc. 42 Hangar Way • Watsonville, CA 95076-2404 • (408) 724-4522 • FAX (408) 724-3188

JUN 03 RECD 34913

97-197

June 27, 1997

ToxScan Number: T-14806

Montgomery Watson Laboratories
555 E. Walnut Street
Pasadena, CA 91101

Attn: Martha Frost

Project Name:	None
Project Number:	34913
Date Sampled:	June 17, 1997
Date Received:	June 20, 1997
Matrix:	Liquid

Please find the enclosed test results for the parameters requested for analysis. The sample was analyzed within holding time using the following method:

Tributyltin in water by Gas Chromatograpy with a Flame Photometric Detector, (GC/FPD).

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

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

Sincerely,

Philip D. Carpenter

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Watson Laboratories
Method: EPA Method(s) GC/FPD
Date Completed: 6/24/97
Matrix: Liquid
Units: ng/L

ToxScan Number: T-14806

Client Sample ID	Site ID	ToxScan Lab ID	Analyte	Sample Value	Reporting Limit
970617166	MW-972-33	14806-01	Tributyltin	ND	2.0

EXPLANATION OF ACRONYMS FOR PROJECT # T-14806

The following is a glossary for acronyms that may be used in this report.

Abbreviation	Definition
LCS	Laboratory Control Spike
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	None Detected
REP	Replicate
RPD	Relative Percent Difference
SRM	Standard Reference Material
TOC	Total Organic Carbon

QC FOR PROJECT # T-14806

LABORATORY METHOD BLANK SUMMARY

Matrix: Water

Analyte	Amount	Reporting Limit ng/L	EPA Method Number
Tributyltin	ND	2.0	GC/FPD

QC FOR PROJECT # 14806

Concentrations of the following are in ng/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY:

Matrix: Water

Analyte	Sample Amount	Amount of Spike	Matrix Spike	MS % Rec	Matrix Spike Dup	MSD % Rec	RPD
Tributyltin 14806-01	ND	50	55.3	111	60.1	120	8

QC FOR PROJECT # T-14806

LABORATORY CONTROL SPIKE

Concentrations of the following are in ng/L

Matrix: Water

Analyte	Amount of Spike	LCS Amount	LCS % Rec
Tributyltin	50	39	77

QC FOR PROJECT # 14806

SURROGATE RECOVERY

Surrogate	Sample	% Recovery	QC Limits
Tripropyltin	Laboratory Control Spike	73%	50 - 140
Tripropyltin	Method Blank	69%	50 - 140
Tripropyltin	14806-1	76%	50 - 140
Tripropyltin	14806-1 MS	66%	50 - 140
Tripropyltin	14806-1 MSD	60%	50 - 140

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Pasadena, California 91101
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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

JUL 22 1997

DEB* Debbie Frank

Report#: 34913
JPL

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Laboratory
Report
#34913

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

Samples Received
17-jun-1997 17:58:25

MW-972-68 (970617161) Sampled on 06/17/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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#34913

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	114	% Rec		

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Laboratory
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#34913

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-20 (970617162) Sampled on 06/17/97								
	06/19/97	63459	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	5.67	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B)	Calcium, Flame AA	61	mg/l	1.0	1
	07/10/97		(ML/SM1040)	Cation Sum	5.43	meq/l	0.0010	1
	06/18/97	63584	(ML/EPA 300)	Chloride	30	mg/l	2.0	2
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.302	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	06/18/97		(ML/S2510B)	Specific Conductance	510	umho/cm	4.0	1
06/24/97	07/19/97	64451	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	185	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B)	Sodium, Flame AA	17	mg/l	1.0	1
	06/18/97	63585	(ML/EPA 300.0)	Nitrate-N by IC	6.0	mg/l	0.20	2
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	06/23/97		(ML/S4500H-B)	Lab pH	7.4	Units	0.0010	1
	06/18/97	63586	(ML/EPA 300)	Sulfate	67	mg/l	4.0	2
	06/20/97	63602	(ML/S2540C)	Total Dissolved Solids	340	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/23/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	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
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.8	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(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
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	92	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	109	% Rec		

MW-972-22 (970617163) Sampled on 06/17/97

	06/19/97	63459	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	5.06	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B)	Calcium, Flame AA	51	mg/l	1.0	1
	07/17/97		(ML/SM1040)	Cation Sum	5.01	meq/l	0.0010	1
	06/18/97	63584	(ML/EPA 300)	Chloride	12	mg/l	2.0	2
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.59	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	06/18/97		(ML/S2510B)	Specific Conductance	455	umho/cm	4.0	1
06/24/97	07/19/97	64451	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	245	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B)	Potassium, Flame AA	1.8	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B)	Sodium, Flame AA	31	mg/l	1.0	1
	06/18/97	63585	(ML/EPA 300.0)	Nitrate-N by IC	2.2	mg/l	0.20	2
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97		(ML/S4500H-B)	Lab pH	8.0	Units	0.0010	1
	06/18/97	63586	(ML/EPA 300)	Sulfate	27	mg/l	4.0	2
	06/20/97	63602	(ML/S2540C)	Total Dissolved Solids	280	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/23/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.5	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	114	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-67 (970617164) Sampled on 06/17/97								
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	06/23/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/23/97	63655	(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
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	0.6	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	112	% Rec		
MW-972-25 (970617165)			**Sampled on 06/17/97**					
	06/19/97	63459	(ML/S2320B	) Alkalinity	135	mg/l	2.0	1
	07/01/97		(ML/SM1040	) Anion Sum	3.54	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B	) Calcium, Flame AA	39	mg/l	1.0	1
	07/10/97		(ML/SM1040	) Cation Sum	3.56	meq/l	0.0010	1
	06/18/97	63584	(ML/EPA 300	) Chloride	5.8	mg/l	1.0	1
	07/01/97		(ML/S2320-B	) Carbonate as CO3, Calculated	0.427	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/18/97	63480	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	06/18/97		(ML/S2510B	) Specific Conductance	310	umho/cm	4.0	1
06/24/97	07/19/97	64451	(EPA/ML 200.8	) Iron, Total, ICAP/MS	140	ug/l	100	1
	07/01/97		(ML/S2320B	) Bicarbonate as HCO3,calculated	165	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B	) Potassium, Flame AA	2.2	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B	) Magnesium, Flame AA	12	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B	) Sodium, Flame AA	13	mg/l	1.0	1
	06/18/97	63585	(ML/EPA 300.0	) Nitrate-N by IC	1.0	mg/l	0.10	1
06/24/97	07/08/97	64197	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	06/23/97		(ML/S4500H-B	) Lab pH	7.6	Units	0.0010	1
	06/18/97	63586	(ML/EPA 300	) Sulfate	29	mg/l	2.0	1
	06/20/97	63602	(ML/S2540C	) Total Dissolved Solids	200	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/23/97	63655	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(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
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(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
	06/23/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	113	% Rec		

MW-972-33 (970617166) Sampled on 06/17/97

	06/19/97	63459	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	5.63	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B)	Calcium, Flame AA	60	mg/l	1.0	1
	07/10/97		(ML/SM1040)	Cation Sum	5.27	meq/l	0.0010	1
	06/19/97	63571	(ML/EPA 300)	Chloride	22	mg/l	2.0	2
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.390	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	38	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	0.037	mg/l	0.005	1
	06/18/97		(ML/S2510B)	Specific Conductance	525	umho/cm	4.0	1
06/24/97	07/19/97	64451	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	190	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B)	Sodium, Flame AA	21	mg/l	1.0	1
	06/19/97	63576	(ML/EPA 300.0)	Nitrate-N by IC	9.3	mg/l	0.20	2

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	06/23/97		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	06/19/97	63578	(ML/EPA 300)	Sulfate	60	mg/l	4.0	2
	06/20/97	63602	(ML/S2540C)	Total Dissolved Solids	340	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/23/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	0.5	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	0.9	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	6.4	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	11	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	24 E	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/23/97	63655	(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	95	% 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
			Tributyltin					
	06/24/97	64029	(GC/FPD)	Tributyltin	ND	ng/l	2.0	1
			(Surrogate)	Tripropyltin	76	% Rec		
MW-972-34 (970617167)			**Sampled on 06/17/97**					
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	36	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	0.037	mg/l	0.005	1
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	06/24/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	0.9	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/24/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/24/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	6.6	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	11	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/24/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	21	ug/l	1.0	2
	06/24/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/24/97	63655	(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	94	% Rec		
			(Surrogate)	Toluene-d8	108	% Rec		

MW-972-26 (970617168) Sampled on 06/17/97

	06/19/97	63459	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	5.28	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B)	Calcium, Flame AA	56	mg/l	1.0	1
	07/10/97		(ML/SM1040)	Cation Sum	5.34	meq/l	0.0010	1
	06/19/97	63571	(ML/EPA 300)	Chloride	23	mg/l	2.0	2
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.453	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	06/18/97		(ML/S2510B)	Specific Conductance	500	umho/cm	4.0	1
06/24/97	07/19/97	64451	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	175	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B)	Sodium, Flame AA	21	mg/l	1.0	1
	06/19/97	63576	(ML/EPA 300.0)	Nitrate-N by IC	12	mg/l	0.20	2
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	06/23/97		(ML/S4500H-B)	Lab pH	7.6	Units	0.0010	1
	06/19/97	63578	(ML/EPA 300)	Sulfate	42	mg/l	4.0	2
	06/20/97	63602	(ML/S2540C)	Total Dissolved Solids	320	mg/l	10	1

Regulated VOCs plus Lists 1&3

	06/24/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	1.7	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	2.1	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/24/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/24/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	68	ug/l	2.5	5
	06/24/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	43	ug/l	2.5	5
	06/24/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/24/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.1	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	25	ug/l	2.5	5
	06/24/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	0.6	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/24/97	63655	(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	96	% Rec		
			(Surrogate)	Toluene-d8	110	% Rec		

MW-972-46 (970617169) Sampled on 06/17/97

	06/19/97	63459	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	6.07	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B)	Calcium, Flame AA	66	mg/l	1.0	1
	07/10/97		(ML/SM1040)	Cation Sum	5.79	meq/l	0.0010	1
	06/19/97	63571	(ML/EPA 300)	Chloride	36	mg/l	2.0	2
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.201	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	14	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	06/18/97		(ML/S2510B)	Specific Conductance	550	umho/cm	4.0	1
06/24/97	07/19/97	64451	(EPA/ML 200.8)	Iron, Total, ICAP/MS	140	ug/l	100	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B)	Magnesium, Flame AA	21	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B)	Sodium, Flame AA	16	mg/l	1.0	1
	06/19/97	63576	(ML/EPA 300.0)	Nitrate-N by IC	5.6	mg/l	0.20	2
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	06/23/97		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	06/19/97	63578	(ML/EPA 300)	Sulfate	70	mg/l	4.0	2
	06/20/97	63602	(ML/S2540C)	Total Dissolved Solids	360	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/23/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.2	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	110	% Rec		
MW-972-47 (970617170)			**Sampled on 06/17/97**					
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	13	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	06/23/97	63655	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97	63655	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/23/97	63655	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.3	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/23/97	63655	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/23/97	63655	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	112	% Rec		

MW-972-49 (970617171) Sampled on 06/17/97

	06/19/97	63459	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	4.53	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B)	Calcium, Flame AA	49	mg/l	1.0	1
	07/17/97		(ML/SM1040)	Cation Sum	4.41	meq/l	0.0010	1
	06/19/97	63571	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.504	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/18/97	63480	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	06/18/97		(ML/S2510B)	Specific Conductance	395	umho/cm	4.0	1
06/24/97	07/19/97	64451	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B)	Sodium, Flame AA	15	mg/l	1.0	1
	06/19/97	63576	(ML/EPA 300.0)	Nitrate-N by IC	1.7	mg/l	0.10	1
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.3	ug/l	2.0	1
	06/23/97		(ML/S4500H-B)	Lab pH	7.6	Units	0.0010	1
	06/19/97	63578	(ML/EPA 300)	Sulfate	42	mg/l	2.0	1
	06/20/97	63602	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1

Regulated VOCs plus Lists 1&3

	06/24/97	63744	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	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
	06/24/97	63744	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/24/97	63744	(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	85	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	116	% Rec		

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Report
Comments
#34913

Group Comments

Results for tributyltin submitted by ToxScan.
(Calcium) The MS recovery is low bias 82%. atrix effect is suspected.
(Iron) There was a trace hit for Iron in the prep blank at 66.9 ppb. The trace hit is lower than the RL, no action was taken.

(970617166)
@VOASDWA
Low internal standard recovery in diluted run for TCE.
TCE reported from undiluted run above calibration range.
Reference QIR-MS-97-023.

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Laboratory
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Foster Wheeler Environmental, Inc

QC Batch #63459 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	105	109.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	105	109.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	105	109.1	(80.00 - 120.00)	
MSD	Alkalinity	96.2	109	113.3	(80.00 - 120.00)	3.7

QC Batch #63480 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0537	107.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0530	106.0	(78.00 - 118.00)	1.3
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0515	103.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0522	104.4	(80.00 - 120.00)	1.4

QC Batch #63571 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.3	101.2	(90.00 - 110.00)	
LCS2	Chloride	25	25.9	103.6	(90.00 - 110.00)	2.3
MBLK	Chloride	ND				
MS	Chloride	25	26.6	106.4	(80.00 - 120.00)	
MSD	Chloride	25	26.6	106.4	(80.00 - 120.00)	0.00

QC Batch #63576 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.58	103.2	(90.00 - 110.00)	2.4
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.56	102.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	0.39

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

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QC Batch #63578 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.4	98.8	(90.00 - 110.00)	
LCS2	Sulfate	50	50.6	101.2	(90.00 - 110.00)	2.4
MBLK	Sulfate	ND				
MS	Sulfate	50	52.3	104.6	(70.00 - 130.00)	
MSD	Sulfate	50	52.5	105.0	(70.00 - 130.00)	0.38

QC Batch #63584 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.0	104.0	(90.00 - 110.00)	
MBLK	Chloride	ND				
MS	Chloride	25	26.2	104.8	(80.00 - 120.00)	
MSD	Chloride	25	26.3	105.2	(80.00 - 120.00)	0.38

QC Batch #63585 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.59	103.6	(90.00 - 110.00)	
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	0.00

QC Batch #63586 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	51.1	102.2	(90.00 - 110.00)	
MBLK	Sulfate	ND				
MS	Sulfate	50	50.3	100.6	(70.00 - 130.00)	
MSD	Sulfate	50	50.3	100.6	(70.00 - 130.00)	0.00

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Foster Wheeler Environmental, Inc
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QC Batch #63602 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	648	92.6	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #63655 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.00	100.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.51	112.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.38	109.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.82	95.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.92	99.0	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				

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MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.21	105.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.20	105.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.83	95.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.15	103.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.27	106.7	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.04	101.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.46	111.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.48	112.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.49	112.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.80	90.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.82	95.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.43	110.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.13	103.2	(70.00 - 130.00)

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.29	107.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.80	95.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	2	2.14	107.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.12	106.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.97	99.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.84	110.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.15	103.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.41	110.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.10	102.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.50	112.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #63744 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.62	90.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.80	95.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.81	95.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.08	102.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.92	99.0	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	4.14	103.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	4.13	103.2	(70.00 - 130.00)	

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MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.98	99.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.61	90.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.68	117.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.27	106.7	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.95	123.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.75	118.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.44	72.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.54	113.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.73	118.3	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.19	104.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.67	116.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	2	1.87	93.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.02	101.0	(70.00 - 130.00)

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.71	92.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.18	114.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.96	99.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.58	114.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.82	95.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.11	102.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64029 Tributyltin

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS	Tributyltin	50	39	78.0	(50.00 - 150.00)	
MBLK	Tributyltin	ND				
MS	Tributyltin	50	55.3	110.6	(50.00 - 150.00)	
MSD	Tributyltin	50	60.1	120.2	(50.00 - 150.00)	8.3

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #64065 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.6	103.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	1.4
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.5	103.0	(85.00 - 115.00)	1.5

QC Batch #64067 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.0	102.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.2	100.4	(90.00 - 110.00)	1.6
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.3	95.0	(85.00 - 115.00)	0.63

QC Batch #64069 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.0	100.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.1	100.5	(90.00 - 110.00)	0.50
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.3	96.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.6	98.0	(85.00 - 115.00)	1.5

QC Batch #64071 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	54.8	109.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	54.4	108.8	(90.00 - 110.00)	0.73
MBLK	Calcium, Flame AA	ND				

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

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Laboratory
QC Report
#34913

Foster Wheeler Environmental, Inc
(continued)

MS	Calcium, Flame AA	50	41.0	82.0	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	42.3	85.0	(85.00 - 115.00)	3.1

QC Batch #64174 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0202	101.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0195	97.5	(85.00 - 115.00)	3.5
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0200	100.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	4.4

QC Batch #64195 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	106	106.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	0.95
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	99.9	99.9	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.4	99.4	(70.00 - 130.00)	0.50

QC Batch #64197 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.3	101.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.1	100.5	(85.00 - 115.00)	0.99
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	22.1	110.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	2.8

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

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QC Report
#34913

Foster Wheeler Environmental, Inc
(continued)

QC Batch #64451 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	488	97.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	506	101.2	(85.00 - 115.00)	3.6
MBLK	Iron, Total, ICAP/MS	ND	66.9			
MS	Iron, Total, ICAP/MS	500	473	94.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	500	100.0	(70.00 - 130.00)	5.5

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

MONTGOMERY WATSON LABORATORIES

July 30, 1997

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

Attention: Mark Cutler

Re: Report # 35100 (MW-972-82,-81,-15,-14,-13)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
NONE
Samples requiring dilution (with increased MRL's):
MW-972-14: Chloride, Nitrate, and Sulfate.
MW-972-13: Calcium, Chloride, Nitrate, and Sulfate.
Method blanks with compounds detected:
(IRON) MW-972-15,-14,-13: There was a trace amount of iron in the Method Blank. The value, 38 ppb, is less than 1/2 the MRL.
Other Comments:
Trihalomethanes were detected in sample ID: MW-972-15
Tetrachloroethylene was detected in sample ID: MW-972-14,-13
MW-972-12

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

Past due 520.00
from 4/2
letter sent 6/12

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 #SANS94-1162LG
Group#: 35100
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

The following samples were received from you on 06/26/97. 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
970627002	MW-972-82			Water			06/26/97
		@VOASDWA					
970627003	MW-972-81			Water			06/26/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970627004	MW-972-15			Water			06/26/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970627005	MW-972-14			Water			06/26/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970627006	MW-972-13			Water			06/26/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		

Test Acronym Description

Test Acronym	Description
@VOASDWA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS

4686 SCM
201725 CLIENT

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35100
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
CR-VI	Hexavalent chromium
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solids

NUMBER 2445

35100

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE OF

PROJECT: TPL

OFS NO.: 1572

PROJECT ADDRESS: 4800 Oak Grove Drive Pasadena Ca.

SAMPLER (Name): [illegible]

SAMPLER (Signature): [illegible]

LABORATORY: Montgomery Watson Laboratory

REPORTS TO BE SENT TO: Mark Collex

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 (EPA 524.2)	Total Cr, Pb, As (EPA Tox Metals)	Anions	Hexavalent Chrome	
MW-972-02	1000	6-26-97	2	2 x 40 mL	✓			X				970627002
MW-972-01	1030		4	1x40mL 1x125mL 1x250mL	✓			X	X		X	970627003
MW-972-15	0930		5	2x40mL 1x250mL 1x500mL 1x250mL 1x250mL				X	X	X	X	970627004
MW-972-14	1140		5	2x40mL 1x250mL 1x500mL 1x125mL 1x250mL	✓			X	X	X	X	970627005
MW-972-13	1405		5	2x40mL 1x250mL 1x500mL 1x125mL 1x250mL	✓			X	X	X	X	970627006

LABORATORY INSTRUCTIONS/COMMENTS

([illegible] 10 days)

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[illegible]	6/26/97	[illegible]			
COMPANY	TIME	COMPANY	COMPANY	TIME	COMPANY
FWENC	1750	Montgomery Watson Labs			

F-2

Report Summary of positive results, PR35100

			Result	MDL	UNITS
Analyzed	970627002	MW-972-82			
Analyzed	970627003	MW-972-81			
Analyzed	970627004	MW-972-15			
06/30/97	Bromodichloromethane		0.5	.500	UGL
06/30/97	Chloroform (Trichloromethane)		2.0	.500	UGL
07/02/97	Alkalinity		130	2.000	MGL
07/07/97	Anion Sum		3.35	.001	MEQL
07/10/97	Bicarbonate as HCO3,calculated		158	.001	MGL
07/22/97	Calcium, Flame AA		39	1.000	MGL
07/10/97	Carbonate as CO3, Calculated		0.409	.001	MGL
07/23/97	Cation Sum		3.61	.001	MEQL
06/27/97	Chloride		6.9	1.000	MGL
07/16/97	Iron, Total, ICAP/MS		170	******	UGL
07/02/97	Lab pH		7.6	.001	UNIT
07/20/97	Magnesium, Flame AA		13	1.000	MGL
06/27/97	Nitrate-N by IC		0.8	.100	MGL
07/19/97	Potassium, Flame AA		2.8	1.000	MGL
07/19/97	Sodium, Flame AA		12	1.000	MGL
07/02/97	Specific Conductance		555	4.000	UMHO
06/27/97	Sulfate		24	2.000	MGL
06/30/97	Total Dissolved Solids		320	10.000	MGL
Analyzed	970627005	MW-972-14			
06/30/97	Tetrachloroethylene (PCE)		0.6	.500	UGL
07/02/97	Alkalinity		160	2.000	MGL
07/07/97	Anion Sum		5.69	.001	MEQL
07/10/97	Bicarbonate as HCO3,calculated		195	.001	MGL
07/22/97	Calcium, Flame AA		51	1.000	MGL
07/10/97	Carbonate as CO3, Calculated		0.201	.001	MGL
07/23/97	Cation Sum		5.19	.001	MEQL
06/27/97	Chloride		34	2.000	MGL
07/16/97	Iron, Total, ICAP/MS		120	******	UGL
07/02/97	Lab pH		7.2	.001	UNIT
07/20/97	Magnesium, Flame AA		24	1.000	MGL
06/27/97	Nitrate-N by IC		4.2	.200	MGL
07/19/97	Potassium, Flame AA		2.3	1.000	MGL
07/19/97	Sodium, Flame AA		14	1.000	MGL
07/02/97	Specific Conductance		795	4.000	UMHO
06/27/97	Sulfate		59	4.000	MGL
06/30/97	Total Dissolved Solids		480	10.000	MGL
Analyzed	970627006	MW-972-13			
06/30/97	Tetrachloroethylene (PCE)		2.0	.500	UGL
07/02/97	Alkalinity		210	2.000	MGL
07/07/97	Anion Sum		8.34	.001	MEQL
07/10/97	Bicarbonate as HCO3,calculated		256	.001	MGL
07/22/97	Calcium, Flame AA		86	2.000	MGL
07/10/97	Carbonate as CO3, Calculated		0.662	.001	MGL
07/23/97	Cation Sum		8.32	.001	MEQL

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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

JUL 24 1997

DEB* Debbie Frank

Report#: 35100
JPL

MONTGOMERY WATSON LABORATORIES

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Laboratory
Report
#35100

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

Samples Received
26-jun-1997 09:14:00

MW-972-82 (970627002) Sampled on 06/26/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/30/97	64032	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

MONTGOMERY WATSON LABORATORIES

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Pasadena, California 91101
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Laboratory
Report
#35100

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/30/97	64032	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	86	% 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-972-81 (970627003) Sampled on 06/26/97								
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0 005	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/27/97	63780	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	06/30/97	64032	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/30/97	64032	(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
	06/30/97	64032	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	86	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	93	% Rec		
MW-972-15 (970627004) Sampled on 06/26/97								
	07/02/97	64013	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	07/07/97		(ML/SM1040)	Anion Sum	3.35	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	39	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	3.61	meq/l	0.0010	1
	06/27/97	64048	(ML/EPA 300)	Chloride	6.9	mg/l	1.0	1
	07/10/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.409	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/27/97	63780	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/02/97		(ML/S2510B)	Specific Conductance	555	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	170	ug/l	100	1
	07/10/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	12	mg/l	1.0	1
	06/27/97	64050	(ML/EPA 300.0)	Nitrate-N by IC	0.8	mg/l	0.10	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/02/97		(ML/S4500H-B)	Lab pH	7.6	Units	0.0010	1
	06/27/97	64052	(ML/EPA 300)	Sulfate	24	mg/l	2.0	1
	06/30/97	64011	(ML/S2540C)	Total Dissolved Solids	320	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	06/30/97	64032	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(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
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.0	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromodichloromethane	0.5	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/30/97	64032	(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
	06/30/97	64032	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	86	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-972-14 (970627005) Sampled on 06/26/97

	07/02/97	64013	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	07/07/97		(ML/SM1040)	Anion Sum	5.69	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	51	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	5.19	meq/l	0.0010	1
	06/27/97	64048	(ML/EPA 300)	Chloride	34	mg/l	2.0	2
	07/10/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.201	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/27/97	63780	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/02/97		(ML/S2510B)	Specific Conductance	795	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1
	07/10/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	24	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	14	mg/l	1.0	1
	06/27/97	64050	(ML/EPA 300.0)	Nitrate-N by IC	4.2	mg/l	0.20	2

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/02/97		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	06/27/97	64052	(ML/EPA 300)	Sulfate	59	mg/l	4.0	2
	06/30/97	64011	(ML/S2540C)	Total Dissolved Solids	480	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/30/97	64032	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/30/97	64032	(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
	06/30/97	64032	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.6	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	85	% 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-972-13 (970627006) Sampled on 06/26/97								
	07/02/97	64013	(ML/S2320B)	Alkalinity	210	mg/l	2.0	1
	07/07/97		(ML/SM1040)	Anion Sum	8.34	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	86	mg/l	2.0	2
	07/23/97		(ML/SM1040)	Cation Sum	8.32	meq/l	0.0010	1
	06/27/97	64048	(ML/EPA 300)	Chloride	73	mg/l	2.0	2
	07/10/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.662	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/27/97	63780	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/02/97		(ML/S2510B)	Specific Conductance	800	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	450	ug/l	100	1
	07/10/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	256	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	32	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	30	mg/l	1.0	1
	06/27/97	64050	(ML/EPA 300.0)	Nitrate-N by IC	9.9	mg/l	0.20	2
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/02/97		(ML/S4500H-B)	Lab pH	7.6	Units	0.0010	1
	06/27/97	64052	(ML/EPA 300)	Sulfate	66	mg/l	4.0	2
	06/30/97	64011	(ML/S2540C)	Total Dissolved Solids	510	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/30/97	64032	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(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
	06/30/97	64032	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.0	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	81	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Report
Comments
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Group Comments

(Iron) There was a trace hit for Iron in the prep blank at 38ppb less than half the reporting limit. No action is taken

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Laboratory
QC Report
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Foster Wheeler Environmental, Inc

QC Batch #63780 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0496	99.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0527	105.4	(78.00 - 118.00)	6.1
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0527	105.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0535	107.0	(80.00 - 120.00)	1.5

QC Batch #64011 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	648	92.6	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #64013 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	104	108.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.97
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	101	105.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	105	109.1	(80.00 - 120.00)	3.9

QC Batch #64032 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.18	104.5	(70.00 - 130.00)	

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.18	104.5	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.36	109.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.30	107.5	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.69	92.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.71	96.4	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.05	101.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.37	109.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.76	94.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.49	112.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.19	104.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.99	99.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			

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

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Laboratory
QC Report
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Foster Wheeler Environmental, Inc
(continued)

MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.18	104.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.65	116.3	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.77	88.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.53	88.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.30	107.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.93	98.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.88	97.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	2	2.07	103.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.74	87.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.60	90.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.64	108.0	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.12	103.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.21	105.2	(70.00 - 130.00)

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.12	103.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.28	107.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64048 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.5	102.0	(90.00 - 110.00)	
LCS2	Chloride	25	25.8	103.2	(90.00 - 110.00)	1.2
MBLK	Chloride	ND				
MS	Chloride	25	26.2	104.8	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.76

QC Batch #64050 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.54	101.6	(90.00 - 110.00)	0.79
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.61	104.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.58	103.2	(90.00 - 110.00)	1.2

QC Batch #64052 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.1	100.2	(90.00 - 110.00)	
LCS2	Sulfate	50	50.5	101.0	(90.00 - 110.00)	0.80
MBLK	Sulfate	ND				

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(continued)

MS	Sulfate	50	52.8	105.6	(70.00 - 130.00)	
MSD	Sulfate	50	52.5	105.0	(70.00 - 130.00)	0.57

QC Batch #64407 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0177	88.5	(85.00 - 115.00)	22
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.023	115.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	2.2

QC Batch #64437 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	504	100.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	515	103.0	(85.00 - 115.00)	2.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	521	104.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	580	116.0	(70.00 - 130.00)	11

QC Batch #64444 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	106	106.0	(85.00 - 115.00)	0.95
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	0.00

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Laboratory
QC Report
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #64446 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.9	104.5	(85.00 - 115.00)	5.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.7	98.5	(70.00 - 130.00)	8.7

QC Batch #64567 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	3.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.6	113.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	22.5	112.5	(85.00 - 115.00)	0.44

QC Batch #64570 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	0.00
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	52.1	104.2	(85.00 - 115.00)	0.38

QC Batch #64572 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.3	106.5	(90.00 - 110.00)	3.8
MBLK	Magnesium, Flame AA	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Magnesium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	0.95

QC Batch #64576 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	54.8	109.6	(90.00 - 110.00)	5.8
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.6	99.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.3	100.6	(85.00 - 115.00)	1.4

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

MONTGOMERY WATSON LABORATORIES

July 30, 1997

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

Attention: Mark Cutler

Re: Report # 35126 (MW-972-84,-83,-12)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
NONE
Samples requiring dilution (with increased MRL's):
MW-972-12: Chloride, Iron, Nitrate, and Sulfate.
Method blanks with compounds detected:
(IRON) MW-972-12: There was a trace amount of iron in the Method Blank. The value, 38 ppb, is less than 1/2 the MRL.
Other Comments:
Fluorotrichloromethane was detected in sample ID: MW-972-84
Chloroform and Trichloroethylene were detected in sample ID: MW-972-12

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35126
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

The following samples were received from you on 06/27/97. 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
970627088	MW-972-84			Water			06/27/97
		@VOASDWA					
970627089	MW-972-83			Water			06/27/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970627090	MW-972-12			Water			06/27/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		

Test Acronym Description

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

1684 SCM
201725 CLIENT

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35126
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
SO4	Sulfate
TDS	Total Dissolved Solids

35120

NUMBER 2447

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE OF

PROJECT: JPL	OFS NO.: 1572
PROJECT ADDRESS: 4800 OAK GROVE DRIVE, PASA	
SAMPLER (Name): T. CHOI	SAMPLER (Signature): [illegible]
LABORATORY: MONTGOMERY LABS	
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)	VOCs (EPA 524.2)	TOTAL Pb (EPA 6010)	ANIONS	HEXAVALENT CHROME						
MW 972-89	1400	6-27-97	2	1-40mL	X			X				9706270886					
MW 972-83	1455	6-27-97	9	2-40mL, 1x250mL, 1-125mL	X			X	X		X		9706270889				
MW 972-72	1415	6-27-97	25	2-40mL, 1x250mL, 1-500mL, 1x125mL	X			X	X	X	X		9706270890				

LABORATORY INSTRUCTIONS/COMMENTS

CONCL TO QA/QC

RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
[illegible]	6/27/97	[illegible]			
COMPANY: FWEC	TIME	COMPANY: MONTGOMERY WATSON	COMPANY	TIME	COMPANY

F-2

Report Summary of positive results, PR35126

			Result	MDL	UNITS
Analyzed	970627088	MW-972-84			
07/01/97	Fluorotrichloromethane-Freon11		0.5	.500	UGL
Analyzed	970627089	MW-972-83			
Analyzed	970627090	MW-972-12			
06/30/97	Chloroform (Trichloromethane)		1.3	.500	UGL
06/30/97	Trichloroethylene (TCE)		0.7	.500	UGL
07/02/97	Alkalinity		210	2.000	MGL
07/07/97	Anion Sum		6.68	.001	MEQL
07/10/97	Bicarbonate as HCO3,calculated		256	.001	MGL
07/22/97	Calcium, Flame AA		72	1.000	MGL
07/10/97	Carbonate as CO3, Calculated		0.834	.001	MGL
07/23/97	Cation Sum		6.94	.001	MEQL
06/27/97	Chloride		39	2.000	MGL
07/16/97	Iron, Total, ICAP/MS		2200	******	UGL
07/02/97	Lab pH		7.7	.001	UNIT
07/20/97	Magnesium, Flame AA		26	1.000	MGL
06/27/97	Nitrate-N by IC		5.0	.200	MGL
07/19/97	Potassium, Flame AA		2.7	1.000	MGL
07/19/97	Sodium, Flame AA		26	1.000	MGL
07/02/97	Specific Conductance		625	4.000	UMHO
06/27/97	Sulfate		49	4.000	MGL
06/30/97	Total Dissolved Solids		390	10.000	MGL

MONTGOMERY WATSON LABORATORIES

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

JUL 24 1997

DEB* Debbie Frank

Report#: 35126
JPL

MONTGOMERY WATSON LABORATORIES

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818 568 6400; Fax: 818 568 6324;
1 800 566 LABS (1 800 566 5227)

Laboratory
Report
#35126

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

Samples Received
27-jun-1997 17:15:41

MW-972-84 (970627088) Sampled on 06/27/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/01/97	63985	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/01/97	63985	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/01/97	63985	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/01/97	63985	(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
	07/01/97	63985	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	0.5	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/01/97	63985	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/01/97	63985	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	86	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-83 (970627089) Sampled on 06/27/97								
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/27/97	63780	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	06/30/97	64032	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/30/97	64032	(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
	06/30/97	64032	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	84	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	97	% Rec		
MW-972-12 (970627090) Sampled on 06/27/97								
	07/02/97	64013	(ML/S2320B)	Alkalinity	210	mg/l	2.0	1
	07/07/97		(ML/SM1040)	Anion Sum	6.68	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	72	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	6.94	meq/l	0.0010	1
	06/27/97	64048	(ML/EPA 300)	Chloride	39	mg/l	2.0	2
	07/10/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.834	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/27/97	63780	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/02/97		(ML/S2510B)	Specific Conductance	625	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2200	ug/l	100	10
	07/10/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	256	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	26	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	06/27/97	64050	(ML/EPA 300.0)	Nitrate-N by IC	5.0	mg/l	0.20	2
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/02/97		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	06/27/97	64052	(ML/EPA 300)	Sulfate	49	mg/l	4.0	2
	06/30/97	64011	(ML/S2540C)	Total Dissolved Solids	390	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	06/30/97	64032	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	06/30/97	64032	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/30/97	64032	(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
	06/30/97	64032	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.7	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/30/97	64032	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	82	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Comments
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Group Comments

(Iron) There was a trace hit for Iron in the prep blank at 38ppb less than half of the reporting limit. No action is taken.

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Foster Wheeler Environmental, Inc

QC Batch #63780 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0496	99.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0527	105.4	(78.00 - 118.00)	6.1
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0527	105.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0535	107.0	(80.00 - 120.00)	1.5

QC Batch #63985 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.23	105.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.90	97.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.95	123.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.81	95.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.85	98.1	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				

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

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MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.02	100.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.58	114.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.37	109.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.37	109.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.22	105.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.40	110.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.17	104.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.52	113.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.79	89.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.34	83.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.29	107.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.18	104.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			

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LCS1	Toluene	4	4.07	101.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.82	95.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	2	2.12	106.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.77	88.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.61	90.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.99	112.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.33	108.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.18	104.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.12	103.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.06	101.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64011 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	648	92.6	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

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QC Batch #64013 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	104	108.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.97
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	101	105.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	105	109.1	(80.00 - 120.00)	3.9

QC Batch #64032 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.30	107.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.71	96.4	(70.00 - 130.00)	

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MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.05	101.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.37	109.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.76	94.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.49	112.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.19	104.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.99	99.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.18	104.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.65	116.3	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.77	88.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.53	88.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.30	107.5	(70.00 - 130.00)

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MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.93	98.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.88	97.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	2	2.07	103.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.74	87.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.60	90.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.64	108.0	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.12	103.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.21	105.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.12	103.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.28	107.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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QC Batch #64048 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.5	102.0	(90.00 - 110.00)	
LCS2	Chloride	25	25.8	103.2	(90.00 - 110.00)	1.2
MBLK	Chloride	ND				
MS	Chloride	25	26.2	104.8	(80.00 - 120.00)	
MSD	Chloride	25	26.4	105.6	(80.00 - 120.00)	0.76

QC Batch #64050 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.54	101.6	(90.00 - 110.00)	0.79
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.61	104.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.58	103.2	(90.00 - 110.00)	1.2

QC Batch #64052 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.1	100.2	(90.00 - 110.00)	
LCS2	Sulfate	50	50.5	101.0	(90.00 - 110.00)	0.80
MBLK	Sulfate	ND				
MS	Sulfate	50	52.8	105.6	(70.00 - 130.00)	
MSD	Sulfate	50	52.5	105.0	(70.00 - 130.00)	0.57

QC Batch #64407 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0177	88.5	(85.00 - 115.00)	22
MBLK	Arsenic, Total, GF	ND				

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MS	Arsenic, Total, GF	0.020	0.023	115.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	2.2

QC Batch #64437 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	504	100.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	515	103.0	(85.00 - 115.00)	2.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	521	104.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	580	116.0	(70.00 - 130.00)	11

QC Batch #64444 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	106	106.0	(85.00 - 115.00)	0.95
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	0.00

QC Batch #64446 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.9	104.5	(85.00 - 115.00)	5.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.7	98.5	(70.00 - 130.00)	8.7

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

MONTGOMERY WATSON LABORATORIES

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

QC Batch #64567 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	3.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.6	113.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	22.5	112.5	(85.00 - 115.00)	0.44

QC Batch #64570 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	0.00
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	52.1	104.2	(85.00 - 115.00)	0.38

QC Batch #64572 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.3	106.5	(90.00 - 110.00)	3.8
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	0.95

QC Batch #64576 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	54.8	109.6	(90.00 - 110.00)	5.8
MBLK	Calcium, Flame AA	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Calcium, Flame AA	50	49.6	99.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.3	100.6	(85.00 - 115.00)	1.4

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

MONTGOMERY WATSON LABORATORIES

August 6, 1997

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

Attention: Mark Cutler

Re: Report # 34986 (MW-972-74,-73,-23,-06)

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):
(CALCIUM) MW-972-23,-06: The matrix spike for calcium associated with this batch had low recovery. These samples were not used for the MS.

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

Method blanks with compounds detected:
(IRON) MW-972-23,-06: There was a trace amount of iron in the Method Blank. The value, 29 ppb, is less than 1/2 the MRL.

Other Comments:
Trihalomethanes were detected in sample ID: MW-972-23
Carbon tetrachloride was detected in sample ID: MW-972-23
Trichloroethylene was detected in sample ID: MW-972-23

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 34986
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

The following samples were received from you on 06/20/97. 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
970620042	MW-972-74			Water			06/20/97
		@VOASDWA					
970620043	MW-972-73			Water			06/20/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970620044	MW-972-23			Water			06/20/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970620045	MW-972-06			Water			06/20/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		

Test Acronym Description

Test Acronym	Description
@VOASDWA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA

4640 SOPH
201725 SUBMITS

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 34986
Project#: JPL
Proj Mgr: Andy Eaton
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solids

34986

FW

FOSTER WHEELER ENVIRONMENTAL CORPORATION

N2 0918

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Project: JPL

OFS No. 1572 0218

Project Address: 4800 OAK GROVE DR. PASADENA CA

Sampler (Name): J. BRENNER

Sampler (Signature): J. B

Laboratory: MONTGOMERY LABS

Reports to Be Sent to: MR. MARK CUTLER

HAZARD IDENTIFICATION: Nonhazard ☒ 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 (EPA 524.2)	TOTAL Cr, Pb, TAS (EPA 6010/7000)	ANIONS	HEX Cr					
MW-972-74	0845	6/20/97	2	2x40ml	X			X				970620042				
MW-972-73	0850	6/20/97	4	2x40ml 1x125ml 1x250ml	X			X	X		X	970620043				
MW-972-23	1000	6/20/97	5	2x40ml 1x250ml 1x125ml 1x500ml	X			X	X	X	X	970620044				
MW-972-06	1300	6/20/97	5	1	X			X	X	X	X	970620045				

LABORATORY INSTRUCTIONS/COMMENTS:

LEVEL IV QA/QC

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Company: FWENC	6-20-97 Time: 1603	Company: MONTGOMERY WATSON	Company:	Time:	Company:

Shipping Copy (Pink) • File Copy (White) • Fi[illegible] (Canary)

Report Summary of positive results, PR34986

			Result	MDL	UNITS
Analyzed	970620042	MW-972-74			
Analyzed	970620043	MW-972-73			
Analyzed	970620044	MW-972-23			
06/24/97	Bromodichloromethane		0.9	.500	UGL
06/24/97	Carbon Tetrachloride		1.3	.500	UGL
06/24/97	Chloroform (Trichloromethane)		7.3	.500	UGL
06/24/97	Trichloroethylene (TCE)		5.9	.500	UGL
06/23/97	Alkalinity		155	2.000	MGL
07/01/97	Anion Sum		4.21	.001	MEQL
07/01/97	Bicarbonate as HCO3,calculated		190	.001	MGL
07/02/97	Calcium, Flame AA		43	1.000	MGL
07/01/97	Carbonate as CO3, Calculated		0.779	.001	MGL
07/10/97	Cation Sum		4.26	.001	MEQL
06/20/97	Chloride		12	1.000	MGL
07/08/97	Iron, Total, ICAP/MS		580	******	UGL
06/23/97	Lab pH		7.8	.001	UNIT
07/02/97	Magnesium, Flame AA		15	1.000	MGL
06/20/97	Nitrate-N by IC		1.4	.100	MGL
07/02/97	Potassium, Flame AA		2.0	1.000	MGL
07/02/97	Sodium, Flame AA		19	1.000	MGL
06/25/97	Specific Conductance		395	4.000	UMHO
06/20/97	Sulfate		32	2.000	MGL
06/23/97	Total Dissolved Solids		260	10.000	MGL
Analyzed	970620045	MW-972-06			
06/23/97	Alkalinity		160	2.000	MGL
07/01/97	Anion Sum		3.94	.001	MEQL
06/27/97	Arsenic, Total, GF		0.006	.005	MGL
07/01/97	Bicarbonate as HCO3,calculated		185	.001	MGL
07/02/97	Calcium, Flame AA		8.8	1.000	MGL
07/01/97	Carbonate as CO3, Calculated		19.1	.001	MGL
07/10/97	Cation Sum		3.72	.001	MEQL
06/20/97	Chloride		9.1	1.000	MGL
06/23/97	Lab pH		9.2	.001	UNIT
07/02/97	Magnesium, Flame AA		1.9	1.000	MGL
07/02/97	Potassium, Flame AA		1.6	1.000	MGL
07/02/97	Sodium, Flame AA		71	1.000	MGL
06/25/97	Specific Conductance		370	4.000	UMHO
06/20/97	Sulfate		23	2.000	MGL
06/23/97	Total Dissolved Solids		240	10.000	MGL

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
Pasadena, California 91101
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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

JUL 31 1997

DEB* Debbie Frank

Report#: 34986
JPL

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report #34986

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

Samples Received
20-jun-1997 16:17:03

MW-972-74 (970620042) Sampled on 06/20/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63744	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#34986

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63744	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/24/97	63744	(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	96	% Rec		
			(Surrogate)	Toluene-d8	112	% Rec		

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Laboratory
Report
#34986

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-73 (970620043) Sampled on 06/20/97								
07/07/97	07/08/97	64420	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/07/97	07/08/97	64196	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/20/97	63497	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/07/97	07/08/97	64198	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	06/24/97	63744	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/24/97	63744	(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
	06/24/97	63744	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/24/97	63744	(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	97	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-23 (970620044) Sampled on 06/20/97								
	06/23/97	63601	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	4.21	meq/l	0.0010	1
07/07/97	07/08/97	64420	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/02/97	64071	(ML/S3111B)	Calcium, Flame AA	43	mg/l	1.0	1
	07/10/97		(ML/SM1040)	Cation Sum	4.26	meq/l	0.0010	1
	06/20/97	63587	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.779	mg/l	0.0010	1
07/07/97	07/08/97	64196	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/20/97	63497	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	06/25/97		(ML/S2510B)	Specific Conductance	395	umho/cm	4.0	1
07/07/97	07/08/97	64200	(EPA/ML 200.8)	Iron, Total, ICAP/MS	580	ug/l	100	1
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	190	mg/l	0.0010	1
	07/02/97	64065	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	07/02/97	64069	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	07/02/97	64067	(ML/S3111B)	Sodium, Flame AA	19	mg/l	1.0	1
	06/20/97	63588	(ML/EPA 300.0)	Nitrate-N by IC	1.4	mg/l	0.10	1
07/07/97	07/08/97	64198	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	06/23/97		(ML/SM 4500H)	Lab pH	7.8	Units	0.0010	1
	06/20/97	63589	(ML/EPA 300.0)	Sulfate	32	mg/l	2.0	1
	06/23/97	63634	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	06/24/97	63744	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Carbon Tetrachloride	1.3	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroform (Trichloromethane)	7.3	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromodichloromethane	0.9	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63744	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichloroethylene (TCE)	5.9	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/24/97	63744	(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	97	% Rec		
			(Surrogate)	Toluene-d8	112	% Rec		

MW-972-06 (970620045) Sampled on 06/20/97

	06/23/97	63601	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	07/01/97		(ML/SM1040)	Anion Sum	3.94	meq/l	0.0010	1
06/24/97	06/27/97	64174	(S3113B/E200.9)	Arsenic, Total, GF	0.006	mg/l	0.005	1
	07/02/97	64072	(ML/S3111B)	Calcium, Flame AA	8.8	mg/l	1.0	1
	07/10/97		(ML/SM1040)	Cation Sum	3.72	meq/l	0.0010	1
	06/20/97	63587	(ML/EPA 300)	Chloride	9.1	mg/l	1.0	1
	07/01/97		(ML/S2320-B)	Carbonate as CO3, Calculated	19.1	mg/l	0.0010	1
06/24/97	07/08/97	64195	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	06/20/97	63497	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	06/25/97		(ML/S2510B)	Specific Conductance	370	umho/cm	4.0	1
06/24/97	07/31/97	64873	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	07/01/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	185	mg/l	0.0010	1
	07/02/97	64066	(ML/S3111B)	Potassium, Flame AA	1.6	mg/l	1.0	1
	07/02/97	64070	(ML/S3111B)	Magnesium, Flame AA	1.9	mg/l	1.0	1
	07/02/97	64068	(ML/S3111B)	Sodium, Flame AA	71	mg/l	1.0	1
	06/20/97	63588	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
06/24/97	07/08/97	64197	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	06/23/97		(ML/SM 4500H)	Lab pH	9.2	Units	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/20/97	63589	(ML/EPA 300.0)	Sulfate	23	mg/l	2.0	1
	06/23/97	63634	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	06/24/97	63744	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	06/24/97	63744	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	06/24/97	63744	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	06/24/97	63744	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	06/24/97	63744	(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	94	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

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Group Comments

(Calcium) The MS recovery for Calcium was low bias, matrix effect is suspected. Sample 970619138 was spiked.

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Foster Wheeler Environmental, Inc

QC Batch #63497 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0473	94.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0487	97.4	(78.00 - 118.00)	2.9
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0487	97.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0517	103.4	(80.00 - 120.00)	6.0

QC Batch #63587 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.9	107.6	(90.00 - 110.00)	
LCS2	Chloride	25	26.9	107.6	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	25.2	100.8	(80.00 - 120.00)	
MSD	Chloride	25	25.9	103.6	(80.00 - 120.00)	2.7

QC Batch #63588 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.65	106.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.68	107.2	(90.00 - 110.00)	1.1
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.60	104.0	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.63	105.2	(90.00 - 110.00)	1.1

QC Batch #63589 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	52.0	104.0	(90.00 - 110.00)	
LCS2	Sulfate	50	52.3	104.6	(90.00 - 110.00)	0.58
MBLK	Sulfate	ND				
MS	Sulfate	50	49.3	98.6	(70.00 - 130.00)	
MSD	Sulfate	50	50.0	100.0	(70.00 - 130.00)	1.4

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QC Batch #63601 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	105	109.1	(90.00 - 110.00)	1.9
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	101	105.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	92.3	95.9	(80.00 - 120.00)	9.0

QC Batch #63634 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	652	93.1	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #63744 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.62	90.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.80	95.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.81	95.2	(70.00 - 130.00)	

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MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.08	102.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.95	98.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.92	99.0	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.13	103.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.98	99.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.61	90.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.68	117.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.27	106.7	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.95	123.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.75	118.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			

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LCS1	Fluorotrichloromethane-Freon11	2	1.44	72.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.54	113.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.73	118.3	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.19	104.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.67	116.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	2	1.87	93.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.02	101.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.71	92.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	9.18	114.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.96	99.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.58	114.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.82	95.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			

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LCS1	trans-1,2-Dichloroethylene	4	4.11	102.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64065 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.6	103.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	1.4
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.5	103.0	(85.00 - 115.00)	1.5

QC Batch #64066 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	19.2	96.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	9.0
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	20.2	101.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	20.3	101.5	(85.00 - 115.00)	0.49

QC Batch #64067 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.0	102.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.2	100.4	(90.00 - 110.00)	1.6
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	47.6	95.2	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.3	95.0	(85.00 - 115.00)	0.63

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QC Batch #64068 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	46.6	93.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	49.3	98.6	(90.00 - 110.00)	5.6
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	48.1	96.2	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	47.8	95.6	(85.00 - 115.00)	0.63

QC Batch #64069 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.0	100.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.1	100.5	(90.00 - 110.00)	0.50
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.3	96.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.6	98.0	(85.00 - 115.00)	1.5

QC Batch #64070 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.9	99.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	19.9	99.5	(90.00 - 110.00)	0.00
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	19.6	98.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	19.3	96.5	(85.00 - 115.00)	1.5

QC Batch #64071 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	54.8	109.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	54.4	108.8	(90.00 - 110.00)	0.73
MBLK	Calcium, Flame AA	ND				

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MS	Calcium, Flame AA	50	41.0	82.0	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	42.3	85.0	(85.00 - 115.00)	3.1

QC Batch #64072 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	54.5	109.0	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	8.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.7	103.4	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.3	102.6	(85.00 - 115.00)	0.78

QC Batch #64174 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0202	101.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0195	97.5	(85.00 - 115.00)	3.5
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0200	100.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0209	104.5	(85.00 - 115.00)	4.4

QC Batch #64195 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	106	106.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	0.95
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	99.9	99.9	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	99.4	99.4	(70.00 - 130.00)	0.50

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QC Batch #64196 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	0.98
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	95.6	95.6	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	95.9	95.9	(70.00 - 130.00)	0.31

QC Batch #64197 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.3	101.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.1	100.5	(85.00 - 115.00)	0.99
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	22.1	110.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	2.8

QC Batch #64198 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.9	99.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.8	99.0	(85.00 - 115.00)	0.50
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.3	101.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.6	98.0	(70.00 - 130.00)	3.5

QC Batch #64200 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	489	97.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	476	95.2	(85.00 - 115.00)	2.7
MBLK	Iron, Total, ICAP/MS	ND				

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(continued)

MS	Iron, Total, ICAP/MS	500	475	95.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	436	87.2	(70.00 - 130.00)	8.6

QC Batch #64420 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0222	111.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0228	114.0	(85.00 - 115.00)	2.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0208	104.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	1.9

QC Batch #64873 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	502	100.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	513	102.6	(85.00 - 115.00)	2.2
MBLK	Iron, Total, ICAP/MS	ND	29JU			
MS	Iron, Total, ICAP/MS	500	508	101.6	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	505	101.0	(70.00 - 130.00)	0.59

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

MONTGOMERY WATSON LABORATORIES

August 6, 1997

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

Attention: Mark Cutler

Re: Report # 35403 (MW-972-98,-97,-41,-42,-43,-44,-45)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
NONE
Samples requiring dilution (with increased MRL's):
MW-972-45 for Chloride, Nitrate, and Sulfate.
Method blanks with compounds detected:
(IRON) MW-972-41,-42,-43,-44,-45: There was a trace amount of iron in the Method Blank for QC batch # 64454 and 64458. The value, 48 and 49 ppb, is less than 1/2 the MRL respectively.
Other Comments:
Carbon tetrachloride was detected in sample ID: MW-972-43,-44,-45
Chloroform was detected in sample ID: MW-972-43,-44

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

Hot acc 550 4/2

1119

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 #SANS94-1162LG
Group#: 35403
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/11/97. 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
970711093	MW-972-98			Water			07/11/97
		@VOASDWA					
970711094	MW-972-97			Water			07/11/97
	~~#EPASGM~~	@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970711095	MW-972-41			Water		#EPASGM	07/11/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	^ TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970711096	MW-972-42			Water			07/11/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970711097	MW-972-43			Water			07/11/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970711098	MW-972-44			Water			07/11/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970711099	MW-972-45			Water			07/11/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		

Test Acronym Description

Test Acronym	Description

5151 SOGI

201725 CLIENT

7/18/97

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35403
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

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

35403

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Project: JPL

OFS No. 1572

Project Address: 4800 Oak Grove Dr. Pasadena Co.

Sampler (Name): Gary L. SHAW

Sampler (Signature): Gary Shaw

Laboratory: Montgomery Watson

Reports to Be Sent to: MARK Cutler

HAZARD IDENTIFICATION: Nonhazard ☒ 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'S (EPA 524.2)	Total Cr, Pb, As (EPA 6010 mod)	Anions	Hexavalent Chrome	
MW-972-98	0905	7-11-97	2	40 ML	✓			X				9707110 93
MW-972-97	0910	7-11-97	4	2 X 40 ML 2 x 250 ML	✓			X	X		X	9707110 94
MW-972-41	0950	7-11-97	5	2 X 40 ml 1 X 500 ml 1 x 125 ml 1 X 250 ml	✓			X	X	X	X	9707110 95
MW-972-42	1128	7-11-97	5	2 X 40 ml 1 X 500 ml 1 X 125 ml 1 X 250 ml	✓			X	X	X	X	9707110 96
MW-972-43	1245	7-11-97	5	2 X 40 ml 1 X 500 ml 1 X 125 ml 1 X 250 ml	✓			X	X	X	X	9707110 97
MW-972-44	13:50	7-11-97	5	2 X 40 ml 1 X 500 ml 1 X 125 ml 1 X 250 ml	✓			X	X	X	X	9707110 98
MW-972-45	14:50	7-11-97	5	2 X 40 ml 1 X 500 ml 1 X 125 ml 1 X 250 ml	✓			X	X	X	X	9707110 99

LABORATORY INSTRUCTIONS/COMMENTS:

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Gary Shaw	7-11-97	[illegible]			
Company: FW ENC	Time: 16:09	Company: [illegible]	Company:	Time:	Company:

F-2

Shipping Copy (Pink) • File Copy (White) • Field Copy (Canary)

Report Summary of positive results, PR35403

			Result	MDL	UNITS
Analyzed	970711093	MW-972-98			
Analyzed	970711094	MW-972-97			
Analyzed	970711095	MW-972-41			
07/15/97	Alkalinity		140	2.000	MGL
07/17/97	Anion Sum		3.46	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		170	.001	MGL
07/26/97	Calcium, Flame AA		24	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		2.20	.001	MGL
07/28/97	Cation Sum		3.39	.001	MEQL
07/11/97	Chloride		11	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		210	******	UGL
07/14/97	Lab pH		8.3	.001	UNIT
07/20/97	Magnesium, Flame AA		2.4	1.000	MGL
07/19/97	Potassium, Flame AA		1.6	1.000	MGL
07/19/97	Sodium, Flame AA		45	1.000	MGL
07/15/97	Specific Conductance		320	4.000	UMHO
07/11/97	Sulfate		17	2.000	MGL
07/14/97	Total Dissolved Solids		210	10.000	MGL
Analyzed	970711096	MW-972-42			
07/15/97	Alkalinity		170	2.000	MGL
07/17/97	Anion Sum		4.17	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		206	.001	MGL
07/26/97	Calcium, Flame AA		37	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		2.67	.001	MGL
07/28/97	Cation Sum		4.12	.001	MEQL
07/12/97	Chloride		11	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		980	******	UGL
07/14/97	Lab pH		8.3	.001	UNIT
07/20/97	Magnesium, Flame AA		14	1.000	MGL
07/19/97	Potassium, Flame AA		2.9	1.000	MGL
07/19/97	Sodium, Flame AA		24	1.000	MGL
07/15/97	Specific Conductance		380	4.000	UMHO
07/12/97	Sulfate		22	2.000	MGL
07/14/97	Total Dissolved Solids		240	10.000	MGL
Analyzed	970711097	MW-972-43			
07/16/97	Carbon Tetrachloride		0.7	.500	UGL
07/16/97	Chloroform (Trichloromethane)		1.4	.500	UGL
07/15/97	Alkalinity		185	2.000	MGL
07/17/97	Anion Sum		4.57	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		225	.001	MGL
07/26/97	Calcium, Flame AA		42	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		2.92	.001	MGL
07/28/97	Cation Sum		4.49	.001	MEQL
07/12/97	Chloride		12	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		310	******	UGL
07/14/97	Lab pH		8.3	.001	UNIT
07/20/97	Magnesium, Flame AA		15	1.000	MGL

07/12/97	Nitrate-N by IC	0.2	.100	MGL
07/19/97	Potassium, Flame AA	2.8	1.000	MGL
07/19/97	Sodium, Flame AA	25	1.000	MGL
07/15/97	Specific Conductance	410	4.000	UMHO
07/12/97	Sulfate	25	2.000	MGL
07/14/97	Total Dissolved Solids	260	10.000	MGL

Analyzed 970711098 MW-972-44

07/15/97	Carbon Tetrachloride	1.2	.500	UGL
07/15/97	Chloroform (Trichloromethane)	1.0	.500	UGL
07/15/97	Alkalinity	180	2.000	MGL
07/17/97	Anion Sum	4.75	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated	219	.001	MGL
07/26/97	Calcium, Flame AA	43	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	1.42	.001	MGL
07/28/97	Cation Sum	4.64	.001	MEQL
07/12/97	Chloride	14	1.000	MGL
07/19/97	Iron, Total, ICAP/MS	700	******	UGL
07/14/97	Lab pH	8.0	.001	UNIT
07/20/97	Magnesium, Flame AA	18	1.000	MGL
07/12/97	Nitrate-N by IC	0.4	.100	MGL
07/19/97	Potassium, Flame AA	3.7	1.000	MGL
07/19/97	Sodium, Flame AA	21	1.000	MGL
07/15/97	Specific Conductance	440	4.000	UMHO
07/12/97	Sulfate	35	2.000	MGL
07/14/97	Total Dissolved Solids	270	10.000	MGL

Analyzed 970711099 MW-972-45

07/16/97	Carbon Tetrachloride	1.4	.500	UGL
07/15/97	Alkalinity	215	2.000	MGL
07/17/97	Anion Sum	5.54	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated	262	.001	MGL
07/26/97	Calcium, Flame AA	53	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	1.70	.001	MGL
07/28/97	Cation Sum	5.52	.001	MEQL
07/12/97	Chloride	14	2.000	MGL
07/19/97	Iron, Total, ICAP/MS	250	******	UGL
07/14/97	Lab pH	8.0	.001	UNIT
07/20/97	Magnesium, Flame AA	21	1.000	MGL
07/12/97	Nitrate-N by IC	0.7	.200	MGL
07/19/97	Potassium, Flame AA	4.0	1.000	MGL
07/19/97	Sodium, Flame AA	24	1.000	MGL
07/15/97	Specific Conductance	505	4.000	UMHO
07/12/97	Sulfate	38	4.000	MGL
07/14/97	Total Dissolved Solids	320	10.000	MGL

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

JUL 30 1997

DEB* Debbie Frank

Report#: 35403
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
#35403

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

Samples Received
11-jul-1997 16:30:10

MW-972-98 (970711093) Sampled on 07/11/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97	64428	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

MONTGOMERY WATSON LABORATORIES

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Laboratory
Report
#35403

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97	64428	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/15/97	64428	(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	90	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MONTGOMERY WATSON LABORATORIES

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Pasadena, California 91101
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Laboratory
Report
#35403

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-97 (970711094) Sampled on 07/11/97								
07/16/97	07/18/97	64449	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/16/97	07/19/97	64453	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/11/97	64302	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/16/97	07/19/97	64456	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(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	86	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-41 (970711095) Sampled on 07/11/97								
	07/15/97	64400	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	3.46	meq/l	0.0010	1
07/16/97	07/18/97	64449	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	24	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	3.39	meq/l	0.0010	1
	07/11/97	64337	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	2.20	mg/l	0.0010	1
07/16/97	07/19/97	64453	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/11/97	64302	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	320	umho/cm	4.0	1
07/16/97	07/19/97	64454	(EPA/ML 200.8)	Iron, Total, ICAP/MS	210	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	170	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	1.6	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	2.4	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	45	mg/l	1.0	1
	07/11/97	64338	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
07/16/97	07/19/97	64456	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/14/97		(ML/SM 4500H)	Lab pH	8.3	Units	0.0010	1
	07/11/97	64339	(ML/EPA 300.0)	Sulfate	17	mg/l	2.0	1
	07/14/97	64395	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/18/97	64539	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/18/97	64539	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/18/97	64539	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/18/97	64539	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/18/97	64539	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/18/97	64539	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-972-42 (970711096) Sampled on 07/11/97

	07/15/97	64400	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	4.17	meq/l	0.0010	1
07/16/97	07/18/97	64449	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	37	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	4.12	meq/l	0.0010	1
	07/12/97	64337	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	2.67	mg/l	0.0010	1
07/16/97	07/19/97	64453	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/11/97	64302	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	380	umho/cm	4.0	1
07/16/97	07/19/97	64454	(EPA/ML 200.8)	Iron, Total, ICAP/MS	980	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	206	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	07/12/97	64338	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
07/16/97	07/19/97	64456	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/14/97		(ML/SM 4500H)	Lab pH	8.3	Units	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/12/97	64339	(ML/EPA 300.0)	Sulfate	22	mg/l	2.0	1
	07/14/97	64395	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/15/97	64428	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroethane	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
	07/15/97	64428	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/15/97	64428	(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	89	% 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-972-43 (970711097) Sampled on 07/11/97								
	07/15/97	64400	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	4.57	meq/l	0.0010	1
07/16/97	07/18/97	64449	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	42	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	4.49	meq/l	0.0010	1
	07/12/97	64337	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	2.92	mg/l	0.0010	1
07/16/97	07/19/97	64453	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/11/97	64302	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	410	umho/cm	4.0	1
07/16/97	07/19/97	64454	(EPA/ML 200.8)	Iron, Total, ICAP/MS	310	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	225	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	07/12/97	64338	(ML/EPA 300.0)	Nitrate-N by IC	0.2	mg/l	0.10	1
07/16/97	07/19/97	64456	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/14/97		(ML/SM 4500H)	Lab pH	8.3	Units	0.0010	1
	07/12/97	64339	(ML/EPA 300.0)	Sulfate	25	mg/l	2.0	1
	07/14/97	64395	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	0.7	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(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	84	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-972-44 (970711098) Sampled on 07/11/97

	07/15/97	64400	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	4.75	meq/l	0.0010	1
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	43	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	4.64	meq/l	0.0010	1
	07/12/97	64337	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.42	mg/l	0.0010	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/11/97	64302	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	440	umho/cm	4.0	1
07/16/97	07/19/97	64458	(EPA/ML 200.8)	Iron, Total, ICAP/MS	700	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	3.7	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	21	mg/l	1.0	1
	07/12/97	64338	(ML/EPA 300.0)	Nitrate-N by IC	0.4	mg/l	0.10	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/14/97		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/12/97	64339	(ML/EPA 300.0)	Sulfate	35	mg/l	2.0	1
	07/14/97	64395	(ML/S2540C)	Total Dissolved Solids	270	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/15/97	64428	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Carbon Tetrachloride	1.2	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.0	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97	64428	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/15/97	64428	(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	95	% Rec		
			(Surrogate)	Toluene-d8	107	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-45 (970711099) Sampled on 07/11/97								
	07/15/97	64401	(ML/S2320B)	Alkalinity	215	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	5.54	meq/l	0.0010	1
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	53	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	5.52	meq/l	0.0010	1
	07/12/97	64337	(ML/EPA 300)	Chloride	14	mg/l	2.0	2
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.70	mg/l	0.0010	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/11/97	64302	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	505	umho/cm	4.0	1
07/16/97	07/19/97	64458	(EPA/ML 200.8)	Iron, Total, ICAP/MS	250	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	262	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	4.0	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	21	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	07/12/97	64338	(ML/EPA 300.0)	Nitrate-N by IC	0.7	mg/l	0.20	2
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/14/97		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	07/12/97	64339	(ML/EPA 300.0)	Sulfate	38	mg/l	4.0	2
	07/14/97	64395	(ML/S2540C)	Total Dissolved Solids	320	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	1.4	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(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	81	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

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Group Comments

(Iron) There was a trace of iron hit in the prep blank at 46 ppb. The trace hit is less than half the RL, no action is taken.

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QC Batch #64302 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0522	104.4	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0522	104.4	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0538	107.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0522	104.4	(80.00 - 120.00)	3.0

QC Batch #64337 Chloride

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

QC Batch #64338 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.45	98.0	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.45	98.0	(90.00 - 110.00)	0.00

QC Batch #64339 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	46.9	93.8	(90.00 - 110.00)	
LCS2	Sulfate	50	46.8	93.6	(90.00 - 110.00)	0.21
MBLK	Sulfate	ND				
MS	Sulfate	50	49.5	99.0	(70.00 - 130.00)	
MSD	Sulfate	50	49.6	99.2	(70.00 - 130.00)	0.20

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QC Batch #64395 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	652	93.1	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #64400 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	102	106.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	0.98

QC Batch #64401 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	102	106.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	0.98

QC Batch #64428 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.05	101.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.32	83.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				

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LCS1	1,1,2-Trichloroethane	4	3.62	90.0	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	4.21	105.0	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.76	119.0	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	3.30	82.5	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.83	95.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.59	89.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.24	90.5	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.73	93.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.34	83.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.98	99.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.91	97.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.48	87.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			

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

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MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.93	98.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.07	102.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.01	100.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.90	95.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.76	94.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.05	101.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.02	100.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.89	97.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.28	120.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.83	92.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.75	94.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.83	97.6	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.58	89.5	(70.00 - 130.00)

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MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.95	98.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.57	88.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.64	116.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64449 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0193	96.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.019	95.0	(85.00 - 115.00)	1.6
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0194	97.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	14

QC Batch #64450 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0214	107.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0176	88.0	(85.00 - 115.00)	19
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	3.2

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QC Batch #64453 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	95.8	95.8	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	95.5	95.5	(85.00 - 115.00)	0.31
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	89.2	89.2	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.9	98.9	(70.00 - 130.00)	10

QC Batch #64454 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	553	110.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	541	108.2	(85.00 - 115.00)	2.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	484	96.8	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	488	97.6	(70.00 - 130.00)	0.82

QC Batch #64456 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19	95.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	18.8	94.0	(85.00 - 115.00)	1.1
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	19	95.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	7.1

QC Batch #64457 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	95.8	95.8	(85.00 - 115.00)	7.2
MBLK	Chromium, Total, ICAP/MS	ND				

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MS	Chromium, Total, ICAP/MS	100	101	101.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	103	103.0	(70.00 - 130.00)	2.0

QC Batch #64458 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	560	112.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	526	105.2	(85.00 - 115.00)	6.3
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	500	100.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	492	98.4	(70.00 - 130.00)	1.6

QC Batch #64459 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.1	105.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.4
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.4	107.0	(70.00 - 130.00)	5.8

QC Batch #64470 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.73	93.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.55	113.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.85	121.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				

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MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	3.29	82.2	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.68	92.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.43	85.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.46	80.8	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.64	91.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.12	78.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.99	99.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.25	81.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.09	102.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			

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LCS1	Dichloromethane	4	4.18	104.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.81	90.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.46	86.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.76	94.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.89	97.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.68	92.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.59	79.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.89	97.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.61	95.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.75	93.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.62	90.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.00	100.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			

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MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.76	119.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64539 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.56	89.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	2.98	74.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.80	95.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.54	88.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.65	91.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.76	84.5	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				

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MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.52	88.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.71	92.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.36	84.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.68	92.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.71	92.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.55	88.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.87	96.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.28	82.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.04	101.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.26	113.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.11	102.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.98	99.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.36	84.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.71	92.8	(70.00 - 130.00)

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MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.36	84.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.54	113.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.08	104.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.49	87.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.97	99.6	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.03	100.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.95	98.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.99	99.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.00	75.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64569 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.7	103.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	4.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.9	114.5	(85.00 - 115.00)	

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MSD	Potassium, Flame AA	20	22.9	114.5	(85.00 - 115.00)	0.00

QC Batch #64571 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	48.6	97.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	5.6
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.1	106.2	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	53.6	107.2	(85.00 - 115.00)	0.94

QC Batch #64574 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.1	100.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.2	106.0	(90.00 - 110.00)	5.3
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	21.0	105.0	(85.00 - 115.00)	2.9

QC Batch #64714 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.8	105.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.6	103.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.1	102.2	(85.00 - 115.00)	0.97

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

MONTGOMERY WATSON LABORATORIES

August 6, 1997

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

Attention: Mark Cutler

Re: Report # 35426 (MW-972-100,-99,-59,-60)

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:
(VOC) A VOC of unknown identification was detected in the method blank at RT 7.75.
(IRON) MW-972-59,-60: There was a trace amount of iron in the Method Blank for QC batch # 64458. The value, 49 ppb, is less than 1/2 the MRL respectively.
Other Comments:
A VOC of unknown identification at RT 7.75 was detected in sample ID: MW-972-100,-99.
A VOC of unknown identification at RT 4.39 was detected in sample ID: MW-972-100.
Carbon disulfide was detected in Sample ID: MW-972-59

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

SJO 4/2

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

1119 SQ

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 #SANS94-1162LG
Group#: 35426
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/14/97. 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
970714072	MW-972-100			Water			07/14/97
		@VOASDWA					
970714073	MW-972-99			Water			07/14/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970714074	MW-972-59			Water			07/14/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970714075	MW-972-60			Water			07/14/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		

Test Acronym Description

Test Acronym	Description
4 @VOASDWA	Regulated VOCs plus Lists 1&3
2 ALK	Alkalinity
2 ANION1	Anion Sum
3 AS-GF	Arsenic, Total, GF
2 CA-FL	Calcium, Flame AA
2 CATION	Cation Sum
2 CL	Chloride
2 CO3	Carbonate as CO3, Calculated
3 CR-MS	Chromium, Total, ICAP/MS
3 CR-VI	Hexavalent chromium
2 EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA

5146 SOISI
201725 CLIENT

7/16

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35426
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solids

35426

№ 0895

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1

Project: JPL

OFS No. 1572

Project Address: 4800 OAK Grove DR. PASADENA Ca.

Sampler (Name): Gary L. SHAW

Sampler: (Signature):

Laboratory: MONTGOMERY WATSON

Reports to Be Sent to: MARK Cutler

HAZARD IDENTIFICATION: Nonhazard ☒ 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)	EPA 524.2 VOC's	EPA 6010 Total Cr. Pb	Anions	Hexavalent Chromium		
MW-972-100	0750	7-14-97	2	40mL	✓			X					9707140072
MW-972-99	0755		4	2x40mL 2x250mL	✓			X	X		X		9707140073
MW-972-59	1340		5	2x40mL 1x500mL 1x250mL 1x125mL	✓			X	X	X	X		9707140074
MW-972-60	1600		5	2x40mL 1x500mL 1x250mL 1x125mL	✓			X	X	X	X		9707140075

LABORATORY INSTRUCTIONS/COMMENTS: LEVEL IV QA/QC

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Gary Shaw	7-14-97				
Company: FWENC	Time: 17:08	Company: M.W.	Company:	Time:	Company:

Report Summary of positive results, PR35426

			Result	MDL	UNITS
Analyzed	970714072	MW-972-100			
Analyzed	970714073	MW-972-99			
Analyzed	970714074	MW-972-59			
07/15/97	Alkalinity		140	2.000	MGL
07/24/97	Anion Sum		3.30	.001	MEQL
07/18/97	Arsenic, Total, GF		0.007	.005	MGL
07/17/97	Bicarbonate as HCO3,calculated		165	.001	MGL
07/26/97	Calcium, Flame AA		5.6	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		13.5	.001	MGL
07/28/97	Cation Sum		3.32	.001	MEQL
07/16/97	Chloride		9.5	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		170	******	UGL
07/15/97	Lab pH		9.1	.001	UNIT
07/20/97	Magnesium, Flame AA		1.0	1.000	MGL
07/19/97	Potassium, Flame AA		1.6	1.000	MGL
07/19/97	Sodium, Flame AA		67	1.000	MGL
07/15/97	Specific Conductance		320	4.000	UMHO
07/16/97	Sulfate		11	2.000	MGL
07/18/97	Total Dissolved Solids		210	10.000	MGL
Analyzed	970714075	MW-972-60			
07/15/97	Alkalinity		150	2.000	MGL
07/24/97	Anion Sum		3.68	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		181	.001	MGL
07/26/97	Calcium, Flame AA		16	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		5.90	.001	MGL
07/28/97	Cation Sum		3.69	.001	MEQL
07/16/97	Chloride		9.9	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		470	******	UGL
07/15/97	Lab pH		8.7	.001	UNIT
07/20/97	Magnesium, Flame AA		9.4	1.000	MGL
07/16/97	Nitrate-N by IC		0.4	.100	MGL
07/19/97	Potassium, Flame AA		2.7	1.000	MGL
07/19/97	Sodium, Flame AA		47	1.000	MGL
07/15/97	Specific Conductance		330	4.000	UMHO
07/16/97	Sulfate		18	2.000	MGL
07/18/97	Total Dissolved Solids		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

JUL 30 1997

DEB* Debbie Frank

Report#: 35426
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 #35426

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

Samples Received
14-jul-1997 17:17:06

MW-972-100 (970714072) Sampled on 07/14/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

MONTGOMERY WATSON LABORATORIES

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

Laboratory
Report
#35426

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT = 7.75)	1.2 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	104	% 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)

Laboratory Report #35426

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-99 (970714073) Sampled on 07/14/97								
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/15/97	64384	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

MONTGOMERY WATSON LABORATORIES

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT = 4.39)	7.4	ug/L		1
			(EPA 524.2)	Unknown (RT = 7.76)	1.4 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	87	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	103	% Rec		
MW-972-59 (970714074)			**Sampled on 07/14/97**					
	07/15/97	64401	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	07/24/97		(ML/SM1040)	Anion Sum	3.30	meq/l	0.0010	1
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	0.007	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	5.6	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	3.32	meq/l	0.0010	1
	07/16/97	64490	(ML/EPA 300)	Chloride	9.5	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	13.5	mg/l	0.0010	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/15/97	64384	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	320	umho/cm	4.0	1
07/16/97	07/19/97	64458	(EPA/ML 200.8)	Iron, Total, ICAP/MS	170	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	165	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	1.6	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	1.0	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	67	mg/l	1.0	1
	07/16/97	64494	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/15/97		(ML/SM 4500H)	Lab pH	9.1	Units	0.0010	1
	07/16/97	64496	(ML/EPA 300.0)	Sulfate	11	mg/l	2.0	1
	07/18/97	64578	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/17/97	64471	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(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
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/17/97	64471	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/17/97	64471	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(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
	07/17/97	64471	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	4.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	84	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-972-60 (970714075) Sampled on 07/14/97

	07/15/97	64401	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	07/24/97		(ML/SM1040)	Anion Sum	3.68	meq/l	0.0010	1
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	16	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	3.69	meq/l	0.0010	1
	07/16/97	64490	(ML/EPA 300)	Chloride	9.9	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	5.90	mg/l	0.0010	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/15/97	64384	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	330	umho/cm	4.0	1
07/16/97	07/19/97	64458	(EPA/ML 200.8)	Iron, Total, ICAP/MS	470	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	181	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	9.4	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	47	mg/l	1.0	1
	07/16/97	64494	(ML/EPA 300.0)	Nitrate-N by IC	0.4	mg/l	0.10	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97		(ML/SM 4500H)	Lab pH	8.7	Units	0.0010	1
	07/16/97	64496	(ML/EPA 300.0)	Sulfate	18	mg/l	2.0	1
	07/18/97	64578	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(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	95	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Group Comments

(524) B indicates that the compound is also detected in the\
method blank.
(Iron) There was a trace hit of Iron at 48ppb less than half
the reporting limit in the prep blank.

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Foster Wheeler Environmental, Inc

QC Batch #64384 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0510	102.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0502	100.4	(78.00 - 118.00)	1.6
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0480	96.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0473	94.6	(80.00 - 120.00)	1.5

QC Batch #64401 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	102	106.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	0.98

QC Batch #64450 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0214	107.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0176	88.0	(85.00 - 115.00)	19
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	3.2

QC Batch #64457 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	95.8	95.8	(85.00 - 115.00)	7.2
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	101	101.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	103	103.0	(70.00 - 130.00)	2.0

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QC Batch #64458 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	560	112.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	526	105.2	(85.00 - 115.00)	6.3
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	500	100.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	492	98.4	(70.00 - 130.00)	1.6

QC Batch #64459 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.1	105.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.4
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.4	107.0	(70.00 - 130.00)	5.8

QC Batch #64470 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.73	93.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.55	113.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.85	121.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				

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MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	3.29	82.2	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.68	92.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.43	85.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.46	80.8	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.64	91.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.12	78.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.99	99.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.25	81.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.09	102.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.18	104.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.81	90.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.46	86.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.76	94.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.89	97.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.68	92.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.59	79.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.89	97.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.61	95.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.75	93.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.62	90.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.00	100.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			

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MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.76	119.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64471 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.60	90.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.74	93.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.66	91.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.07	76.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.13	78.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.54	88.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.57	89.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.76	84.5	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.26	81.5	(70.00 - 130.00)	

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MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.80	95.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.61	90.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.48	87.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.37	84.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.66	91.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.83	95.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.66	91.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.39	84.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.25	112.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.35	83.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	2.99	74.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.29	82.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.28	82.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			

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LCS1	Trichlorotrifluoroethane(Freon	4	4.50	112.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.45	122.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.72	93.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	6.83	85.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.73	93.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.45	86.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.58	89.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.18	79.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64490 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.9	99.6	(90.00 - 110.00)	
LCS2	Chloride	25	24.9	99.6	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	25.9	103.6	(80.00 - 120.00)	
MSD	Chloride	25	25.7	102.8	(80.00 - 120.00)	0.78

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QC Batch #64494 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.45	98.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.45	98.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	0.40

QC Batch #64496 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	48.9	97.8	(90.00 - 110.00)	
LCS2	Sulfate	50	49.5	99.0	(90.00 - 110.00)	1.2
MBLK	Sulfate	ND				
MS	Sulfate	50	51.0	102.0	(70.00 - 130.00)	
MSD	Sulfate	50	51.3	102.6	(70.00 - 130.00)	0.59

QC Batch #64569 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.7	103.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	4.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.9	114.5	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	22.9	114.5	(85.00 - 115.00)	0.00

QC Batch #64571 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	48.6	97.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	5.6
MBLK	Sodium, Flame AA	ND				

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(continued)

MS	Sodium, Flame AA	50	53.1	106.2	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	53.6	107.2	(85.00 - 115.00)	0.94

QC Batch #64574 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.1	100.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.2	106.0	(90.00 - 110.00)	5.3
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	21.0	105.0	(85.00 - 115.00)	2.9

QC Batch #64578 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	648	92.6	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #64714 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.8	105.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.6	103.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.1	102.2	(85.00 - 115.00)	0.97

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

MONTGOMERY WATSON LABORATORIES

August 6, 1997

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

Attention: Mark Cutler

Re: Report # 35463 (MW-972-102,-101,-61,-62,-63,-62MS,-62MSD)

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:

(VOC) A VOC of unknown identification was detected in the method blank at RT 7.75.

(IRON) MW-972-61,-62,-63: There was a trace amount of iron in the Method Blank for QC batch # 64458. The value, 49 ppb, is less than 1/2 the MRL.

Other Comments:

Carbon Tetrachloride was detected in sample ID: MW-972-61
Chloroform was detected in sample ID: MW-972-61,-62
Tetrachloroethylene was detected in sample ID: MW-972-61
Trichloroethylene was detected in sample ID: MW-972-61
Trichlorotrifluoroethane was detected in sample ID: MW-972-61,-62

TICS

Carbon Disulfide was deteted in sample ID: MW-972-102
A VOC at RT 7.75 and 4.40 of unknown identification was detected in sample ID: MW-972-102

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.

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

Quality Environmental Analysis

Past due 550.00 4

1119

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 #SANS94-1162LG
Group#: 35463
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/15/97. 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			Sampl Date
970715127	MW-972-102			Water			07/15
		@VOASDWA					
970715128	MW-972-101			Water			07/15
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970715129	MW-972-61			Water			07/15
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO
		ALK	NO3	SO4	CL	FE-MS	K-
		NA-FL	MG-FL	CA-FL	CR-VI		
970715130	MW-972-62			Water			07/15
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO
		ALK	NO3	SO4	CL	FE-MS	K-
		NA-FL	MG-FL	CA-FL	CR-VI		
970715131	MW-972-63			Water			07/15
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO
		ALK	NO3	SO4	CL	FE-MS	K-
		NA-FL	MG-FL	CA-FL	CR-VI		
970715132	MW-972-62 MS			Water			07/15
		@VOASDWA					
970715133	MW-972-62 MSD			Water			07/15
		@VOASDWA					

Test Acronym Description

Test Acronym	Description
7 @VOASDWA	Regulated VOCs plus Lists 1&3
3 ALK	Alkalinity
3 ANION1	Anion Sum
4 AS-GF	Arsenic, Total, GF
3 CA-FL	Calcium, Flame AA

5145 SO/SI

20172S CLIENT

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35463
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
3 CATION	Cation Sum
3 CL	Chloride
3 CO3	Carbonate as CO3, Calculated
4 CR-MS	Chromium, Total, ICAP/MS
4 CR-VI	Hexavalent chromium
3 EC	Specific Conductance
3 FE-MS	Iron, Total, ICAP/MS
3 HCO3	Bicarbonate as HCO3,calculated
3 K-FL	Potassium, Flame AA
3 MG-FL	Magnesium, Flame AA
3 NA-FL	Sodium, Flame AA
3 NO3	Nitrate-N by IC
4 PB-MS	Lead, Total, ICAP/MS
3 PH	Lab pH
3 SO4	Sulfate
3 TDS	Total Dissolved Solids

35463

FOSTER WHEELER ENVIRONMENTAL CORPORATION

0892

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Project: JPL

OFS No. 1572

Project Address: 4800 OAK Grove DR PASADENA Ca

Sampler (Name): Gary L. SHAW

Sampler: (Signature): Gary Shaw

Laboratory: Montgomery Watson

Reports to Be Sent to: Mark Cutler

HAZARD IDENTIFICATION: Nonhazard ☒ 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 EPA 5042	Total metals Cr Pb As EPA 6010	Anions	Hexavalent Chrome	
MW-972-102	0830	7-15-97	2	2X 40 mL	✓			X				9707151127
MW-972-101	0850	7-15-97	4	2X 40 mL 1X 250mL 1X 125 mL	✓			V	X		X	9707151128
MW-972-61	0920	7-15-97	5	2X 40mL 1X 125mL 1X 250 mL 1X 500mL	✓			X	X	X	X	9707151129
MW-972-62	1055	7-15-97	5	↓	✓			X	X	X	X	9707151130
MW-972-63	12:10	7-15-97	5	↓	✓			X	X	X	X	9707151131
MW-972-62 MS	1055	7-15-97	2	2 X 40 mL	✓			X				9707151132
MW-972-62 MSD	1055	7-15-97	2	2 X 40 mL	✓			X				9707151133

LABORATORY INSTRUCTIONS/COMMENTS:

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Gary Shaw	7-15-97	[illegible]			
Company: FW ENC	Time: 14:04	Company: MW	Company:	Time:	Company:

Report Summary of positive results, PR35463

			Result	MDL	UNITS
Analyzed	970715127	MW-972-102			
Analyzed	970715128	MW-972-101			
Analyzed	970715129	MW-972-61			
07/16/97	Carbon Tetrachloride		1.2	.500	UGL
07/16/97	Chloroform (Trichloromethane)		1.8	.500	UGL
07/16/97	Tetrachloroethylene (PCE)		0.6	.500	UGL
07/16/97	Trichloroethylene (TCE)		0.8	.500	UGL
07/16/97	Trichlorotrifluoroethane(Freon		2.8	.500	UGL
07/18/97	Alkalinity		140	2.000	MGL
07/24/97	Anion Sum		3.87	.001	MEQL
07/22/97	Bicarbonate as HCO3,calculated		168	.001	MGL
07/26/97	Calcium, Flame AA		22	1.000	MGL
07/22/97	Carbonate as CO3, Calculated		6.89	.001	MGL
07/28/97	Cation Sum		3.75	.001	MEQL
07/16/97	Chloride		24	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		660	******	UGL
07/15/97	Lab pH		8.8	.001	UNIT
07/20/97	Magnesium, Flame AA		11	1.000	MGL
07/16/97	Nitrate-N by IC		0.2	.100	MGL
07/19/97	Potassium, Flame AA		3.6	1.000	MGL
07/19/97	Sodium, Flame AA		38	1.000	MGL
07/18/97	Specific Conductance		345	4.000	UMHO
07/16/97	Sulfate		18	2.000	MGL
07/18/97	Total Dissolved Solids		220	10.000	MGL
Analyzed	970715130	MW-972-62			
07/16/97	Chloroform (Trichloromethane)		1.2	.500	UGL
07/16/97	Trichlorotrifluoroethane(Freon		1.0	.500	UGL
07/18/97	Alkalinity		190	2.000	MGL
07/24/97	Anion Sum		5.04	.001	MEQL
07/22/97	Bicarbonate as HCO3,calculated		232	.001	MGL
07/26/97	Calcium, Flame AA		49	1.000	MGL
07/22/97	Carbonate as CO3, Calculated		0.477	.001	MGL
07/28/97	Cation Sum		4.92	.001	MEQL
07/16/97	Chloride		14	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		220	******	UGL
07/15/97	Lab pH		7.5	.001	UNIT
07/20/97	Magnesium, Flame AA		19	1.000	MGL
07/16/97	Nitrate-N by IC		1.0	.100	MGL
07/19/97	Potassium, Flame AA		3.3	1.000	MGL
07/19/97	Sodium, Flame AA		19	1.000	MGL
07/18/97	Specific Conductance		460	4.000	UMHO
07/16/97	Sulfate		37	2.000	MGL
07/18/97	Total Dissolved Solids		290	10.000	MGL
Analyzed	970715131	MW-972-63			
07/18/97	Alkalinity		145	2.000	MGL
07/24/97	Anion Sum		3.58	.001	MEQL
07/22/97	Bicarbonate as HCO3,calculated		177	.001	MGL

07/26/97	Calcium, Flame AA	34	1.000	MGL
07/22/97	Carbonate as CO3, Calculated	0.364	.001	MGL
07/28/97	Cation Sum	3.54	.001	MEQL
07/16/97	Chloride	6.0	1.000	MGL
07/19/97	Iron, Total, ICAP/MS	450	******	UGL
07/15/97	Lab pH	7.5	.001	UNIT
07/20/97	Magnesium, Flame AA	13	1.000	MGL
07/16/97	Nitrate-N by IC	0.5	.100	MGL
07/19/97	Potassium, Flame AA	3.0	1.000	MGL
07/19/97	Sodium, Flame AA	16	1.000	MGL
07/18/97	Specific Conductance	330	4.000	UMHO
07/16/97	Sulfate	23	2.000	MGL
07/22/97	Total Dissolved Solids	220	10.000	MGL

Analyzed 970715132 MW-972-62 MS

07/17/97	1,1-Dichloroethylene	3.04	.500	UGL
07/17/97	1,2,4-Trichlorobenzene	3.17	.500	UGL
07/17/97	Benzene	3.13	.500	UGL
07/17/97	Chlorobenzene	3.35	.500	UGL
07/17/97	Chloroform (Trichloromethane)	4.52	.500	UGL
07/17/97	Toluene	3.15	.500	UGL
07/17/97	Trichloroethylene (TCE)	3.26	.500	UGL
07/17/97	p-Chlorotoluene	3.03	.500	UGL
07/17/97	p-Dichlorobenzene (1,4-DCB)	3.31	.500	UGL

Analyzed 970715133 MW-972-62 MSD

07/17/97	1,1-Dichloroethylene	2.86	.500	UGL
07/17/97	1,2,4-Trichlorobenzene	3.06	.500	UGL
07/17/97	Benzene	2.95	.500	UGL
07/17/97	Chlorobenzene	2.99	.500	UGL
07/17/97	Chloroform (Trichloromethane)	3.53	.500	UGL
07/17/97	Toluene	2.87	.500	UGL
07/17/97	Trichloroethylene (TCE)	2.95	.500	UGL
07/17/97	p-Chlorotoluene	3.06	.500	UGL
07/17/97	p-Dichlorobenzene (1,4-DCB)	3.28	.500	UGL

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

JUL 30 1997

DEB* Debbie Frank

Report#: 35463
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
#35463

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

Samples Received
15-jul-1997 15:38:38

MW-972-102 (970715127) Sampled on 07/15/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(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
#35463

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbon disulfide	1.2	ug/L		1
			(EPA 524.2)	Unknown (RT = 4.40)	7.3	ug/L		1
			(EPA 524.2)	Unknown (RT = 7.75)	1.2 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	84	% Rec		

MONTGOMERY WATSON LABORATORIES

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

Laboratory
Report
#35463

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	102	% Rec		
MW-972-101 (970715128) Sampled on 07/15/97								
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/15/97	64384	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(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	97	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	104	% Rec		
MW-972-61 (970715129)			**Sampled on 07/15/97**					
	07/18/97	64512	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	07/24/97		(ML/SM1040)	Anion Sum	3.87	meq/l	0.0010	1
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	22	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	3.75	meq/l	0.0010	1
	07/16/97	64490	(ML/EPA 300)	Chloride	24	mg/l	1.0	1
	07/22/97		(ML/S2320-B)	Carbonate as CO3, Calculated	6.89	mg/l	0.0010	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/15/97	64384	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/18/97		(ML/S2510B)	Specific Conductance	345	umho/cm	4.0	1
07/16/97	07/19/97	64458	(EPA/ML 200.8)	Iron, Total, ICAP/MS	660	ug/l	100	1
	07/22/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	168	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	3.6	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	38	mg/l	1.0	1
	07/16/97	64494	(ML/EPA 300.0)	Nitrate-N by IC	0.2	mg/l	0.10	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/15/97		(ML/SM 4500H)	Lab pH	8.8	Units	0.0010	1
	07/16/97	64496	(ML/EPA 300.0)	Sulfate	18	mg/l	2.0	1
	07/18/97	64578	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(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
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	1.2	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.8	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(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
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.6	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.8	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	2.8	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(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	95	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-972-62 (970715130) Sampled on 07/15/97

	07/18/97	64512	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	07/24/97		(ML/SM1040)	Anion Sum	5.04	meq/l	0.0010	1
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	49	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	4.92	meq/l	0.0010	1
	07/16/97	64490	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	07/22/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.477	mg/l	0.0010	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/15/97	64384	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/18/97		(ML/S2510B)	Specific Conductance	460	umho/cm	4.0	1
07/16/97	07/19/97	64458	(EPA/ML 200.8)	Iron, Total, ICAP/MS	220	ug/l	100	1
	07/22/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	232	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	3.3	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	19	mg/l	1.0	1
	07/16/97	64494	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97		(ML/SM 4500H)	Lab pH	7.5	Units	0.0010	1
	07/16/97	64496	(ML/EPA 300.0)	Sulfate	37	mg/l	2.0	1
	07/18/97	64578	(ML/S2540C)	Total Dissolved Solids	290	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/16/97	64470	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.2	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromochloromethane	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
	07/16/97	64470	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	1.0	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/16/97	64470	(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	91	% 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-972-63 (970715131) Sampled on 07/15/97								
	07/18/97	64512	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	07/24/97		(ML/SM1040)	Anion Sum	3.58	meq/l	0.0010	1
07/16/97	07/18/97	64450	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/26/97	64714	(ML/S3111B)	Calcium, Flame AA	34	mg/l	1.0	1
	07/28/97		(ML/SM1040)	Cation Sum	3.54	meq/l	0.0010	1
	07/16/97	64490	(ML/EPA 300)	Chloride	6.0	mg/l	1.0	1
	07/22/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.364	mg/l	0.0010	1
07/16/97	07/19/97	64457	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/15/97	64384	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/18/97		(ML/S2510B)	Specific Conductance	330	umho/cm	4.0	1
07/16/97	07/19/97	64458	(EPA/ML 200.8)	Iron, Total, ICAP/MS	450	ug/l	100	1
	07/22/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	177	mg/l	0.0010	1
	07/19/97	64569	(ML/S3111B)	Potassium, Flame AA	3.0	mg/l	1.0	1
	07/20/97	64574	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	07/19/97	64571	(ML/S3111B)	Sodium, Flame AA	16	mg/l	1.0	1
	07/16/97	64494	(ML/EPA 300.0)	Nitrate-N by IC	0.5	mg/l	0.10	1
07/16/97	07/19/97	64459	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/15/97		(ML/SM 4500H)	Lab pH	7.5	Units	0.0010	1
	07/16/97	64496	(ML/EPA 300.0)	Sulfate	23	mg/l	2.0	1
	07/22/97	64629	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/17/97	64471	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/17/97	64471	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/17/97	64471	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/17/97	64471	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-972-62 MS (970715132) Sampled on 07/15/97

Regulated VOCs plus Lists 1&3

	07/17/97	64471	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethylene	3.04	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.17	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.31	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/17/97	64471	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	07/17/97	64471	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Chlorotoluene	3.03	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	07/17/97	64471	(ML/EPA 524.2)	Benzene	3.13	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorobenzene	3.35	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.52	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/17/97	64471	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.26	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Toluene	3.15	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

MW-972-62 MSD (970715133) Sampled on 07/15/97

Regulated VOCs plus Lists 1&3

	07/17/97	64471	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloroethylene	2.86	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.06	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.28	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	07/17/97	64471	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Chlorotoluene	3.06	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/17/97	64471	(ML/EPA 524.2)	Benzene	2.95	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorobenzene	2.99	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.53	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.95	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/17/97	64471	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Toluene	2.87	ug/l	0.50	1
	07/17/97	64471	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Group Comments

(524) B indicates that the analyte is also detected in the method blank.
(Iron) There was a trace hit for Iron at 48ppb, less than half the reporting limit for the prep blank.

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QC Batch #64384 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0510	102.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0502	100.4	(78.00 - 118.00)	1.6
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0480	96.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0473	94.6	(80.00 - 120.00)	1.5

QC Batch #64450 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0214	107.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0176	88.0	(85.00 - 115.00)	19
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0218	109.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	3.2

QC Batch #64457 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	95.8	95.8	(85.00 - 115.00)	7.2
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	101	101.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	103	103.0	(70.00 - 130.00)	2.0

QC Batch #64458 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	560	112.0	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	526	105.2	(85.00 - 115.00)	6.3
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	500	100.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	492	98.4	(70.00 - 130.00)	1.6

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

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QC Batch #64459 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.1	105.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.4
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	20.2	101.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	21.4	107.0	(70.00 - 130.00)	5.8

QC Batch #64470 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.73	93.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.34	83.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.55	113.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.85	121.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.29	82.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.68	92.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.46	80.8	(70.00 - 130.00)	

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

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MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.64	91.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.12	78.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.99	99.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.25	81.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.09	102.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.18	104.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.81	90.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.46	86.5	(70.00 - 130.00)
MBLK	Styrene	ND			

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LCS1	Tetrachloroethylene (PCE)	4	3.76	94.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.89	97.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.68	92.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.59	79.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.89	97.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.61	95.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.75	93.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.62	90.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.00	100.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.76	119.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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

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QC Batch #64471 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.60	90.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.74	93.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.66	91.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.07	76.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.13	78.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.54	88.5	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.57	89.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.76	84.5	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.26	81.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	3.80	95.0	(70.00 - 130.00)	

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

MONTGOMERY WATSON LABORATORIES

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

Laboratory
QC Report
#35463

Foster Wheeler Environmental, Inc
(continued)

MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.61	90.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.48	87.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.37	84.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.66	91.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.83	95.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.66	91.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.39	84.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.25	112.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.35	83.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	2.99	74.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.29	82.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.28	82.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.50	112.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.45	122.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			

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

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Foster Wheeler Environmental, Inc
(continued)

LCS1	cis-1,2-Dichloroethylene	4	3.72	93.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	6.83	85.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.73	93.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.45	86.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.58	89.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.18	79.5	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64490 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.9	99.6	(90.00 - 110.00)	
LCS2	Chloride	25	24.9	99.6	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	25.9	103.6	(80.00 - 120.00)	
MSD	Chloride	25	25.7	102.8	(80.00 - 120.00)	0.78

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

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Laboratory
QC Report
#35463

Foster Wheeler Environmental, Inc
(continued)

QC Batch #64494 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.45	98.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.45	98.0	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	0.40

QC Batch #64496 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	48.9	97.8	(90.00 - 110.00)	
LCS2	Sulfate	50	49.5	99.0	(90.00 - 110.00)	1.2
MBLK	Sulfate	ND				
MS	Sulfate	50	51.0	102.0	(70.00 - 130.00)	
MSD	Sulfate	50	51.3	102.6	(70.00 - 130.00)	0.59

QC Batch #64512 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	104	108.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.97
MS	Alkalinity	96.2	105	109.1	(80.00 - 120.00)	
MSD	Alkalinity	96.2	106	110.2	(80.00 - 120.00)	0.95

QC Batch #64569 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.7	103.5	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	4.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.9	114.5	(85.00 - 115.00)	

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

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QC Report
#35463

Foster Wheeler Environmental, Inc
(continued)

MSD	Potassium, Flame AA	20	22.9	114.5	(85.00 - 115.00)	0.00

QC Batch #64571 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	48.6	97.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	5.6
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.1	106.2	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	53.6	107.2	(85.00 - 115.00)	0.94

QC Batch #64574 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.1	100.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.2	106.0	(90.00 - 110.00)	5.3
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.4	102.0	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	21.0	105.0	(85.00 - 115.00)	2.9

QC Batch #64578 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	648	92.6	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #64629 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	174	99.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	650	92.9	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

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

MONTGOMERY WATSON LABORATORIES

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

Laboratory
QC Report
#35463

Foster Wheeler Environmental, Inc
(continued)

QC Batch #64714 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	52.8	105.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.6	103.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	51.1	102.2	(85.00 - 115.00)	0.97

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

MONTGOMERY WATSON LABORATORIES

August 12, 1997

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

Attention: Mark Cutler

Re: Report # 35298 (MW-972-92,-91,-35,-36,-37,-38)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
NONE
Samples requiring dilution (with increased MRL's):
MW-972-38 chloride, nitrate, and sulfate
Method blanks with compounds detected:
(IRON) MW-972-35,-36,-37,-38: There was a trace amount of iron in the Method Blank for QC batch # 64437. The value, 38 ppb, is less than 1/2 the MRL.
Other Comments:
Lead was detected in sample ID: MW-972-91
Carbon tetrachloride was detected in sample ID: MW-972-35,-36,-37,-38
Chloroform was detected in sample ID: MW-972-35,-36,-37,-38
TICS
VOC (RT=7.74) of unknown identification was detected in sample ID: MW-972-92,-91

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

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

ACKNOWLEDGMENT OF SAMPLES RECEIVED

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35298
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/08/97. 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
970708172	MW-972-92		Water	07/08/97
		@VOASDWA		
970708173	MW-972-91		Water	07/08/97
		@VOASDWA CR-MS PB-MS AS-GF CR-VI		
970708174	MW-972-35		Water	07/08/97
		@VOASDWA CR-MS PB-MS AS-GF TDS		
		CATION ANION1 PH EC HCO3 CO3		
		ALK NO3 SO4 CL FE-MS K-FL		
		NA-FL MG-FL CA-FL CR-VI		
970708175	MW-972-36		Water	07/08/97
		@VOASDWA CR-MS PB-MS AS-GF TDS		
		CATION ANION1 PH EC HCO3 CO3		
		ALK NO3 SO4 CL FE-MS K-FL		
		NA-FL MG-FL CA-FL CR-VI		
970708176	MW-972-37		Water	07/08/97
		@VOASDWA CR-MS PB-MS AS-GF TDS		
		CATION ANION1 PH EC HCO3 CO3		
		ALK NO3 SO4 CL FE-MS K-FL		
		NA-FL MG-FL CA-FL CR-VI		
970708177	MW-972-38		Water	07/08/97
		@TBT @VOASDWA CR-MS PB-MS AS-GF		
		TDS CATION ANION1 PH EC HCO3		
		CO3 ALK NO3 SO4 CL FE-MS		
		K-FL NA-FL MG-FL CA-FL CR-VI		

Test Acronym Description

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

5011 ___ SOIL
20425 ___ CLIENT

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35298
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solids

35298

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Project: JPL

OFS No. 1572

Project Address: 4800 OAK GROVE DRIVE PASADENA CA.

Sampler (Name): GARY L. SHAW

Sampler (Signature): [signature]

Laboratory: Montgomery Watson

Reports to Be Sent to: Mark Cutler

HAZARD IDENTIFICATION: Nonhazard ☒ 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's (EPA 542.2)	TOTAL Metals Cr, Pb, As (EPA 6010 series)	HEXAVALENT CHROME	Anions	Tributyltin					
MW-972-92	0820	7-8-97	2	2X 40 ml	✓			X				9707081	72				
MW-972-91	0825	7-8-97	4	2X 40ml, 1X 250ml, 1X 250ml	✓			X	X	X		9707081	73				
MW-972-35	0925	7-8-97	5	2X 40ml 1X 125ml 1X 500ml 1X 250ml	✓			X	X	X	X	9707081	74				
MW-972-36	1100	7-8-97	5	2X 40ml 1X 125ml 1X 500ml 1X 250ml	✓			X	X	X	X	9707081	75				
MW-972-37	1260	7-8-97	5	2X 40ml, 1X 125ml 1X 500ml, 1X 250ml	✓			X	X	X	X	9707081	76				
MW-972-38	14:50	7-8-97	8	2X 40ml 3X 1L. 1X 500ml 1X 125ml 1X 250	✓			X	X	X	X	X	9707081	77			

LABORATORY INSTRUCTIONS/COMMENTS: LEVEL IV QA/QC

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
[signature]	7-8-97				
Company: FWENC	Time: 16:30	Company:	Company:	Time:	Company:

F-2

Shipping Copy (Pink) • File Copy (White) • Field Copy (Canary)

AUG 01 RECD

35298 97-229

ToxScan, Inc. 42 Hangar Way • Watsonville, CA 95076-2404 • (408) 724-4522 • FAX (408) 724-3188

ENSERCH

July 30, 1997

ToxScan Number: T-14866

Montgomery Watson Laboratories
555 E. Walnut Street
Pasadena, CA 91101

Attn: Martha Frost

Project Name:	None
Project Number:	35298
Date Sampled:	July 08, 1997
Date Received:	July 10, 1997
Matrix:	Liquid

Please find the enclosed test results for the parameters requested for analysis. The sample was analyzed within holding time using the following method:

Tributyltin in water by Gas Chromatograpy with a Flame Photometric Detector, (GC/FPD).

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

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

Sincerely,

Philip D. Carpenter

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Watson Laboratories
Method: EPA Method(s) GC/FPD
Date Completed: 7/24/97
Matrix: Liquid
Units: ng/L

ToxScan Number: T-14866

Client Sample ID	ToxScan Lab ID	Analyte	Sample Value	Reporting Limit
970708177	14866-01	Tributyltin	ND	2

ICV = 116% TBT

CCV = 120% TBT

EXPLANATION OF ACRONYMS FOR PROJECT # T-14866

The following is a glossary for acronyms that may be used in this report.

Abbreviation	Definition
LCS	Laboratory Control Spike
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	None Detected
REP	Replicate
RPD	Relative Percent Difference
SRM	Standard Reference Material
TOC	Total Organic Carbon

QC FOR PROJECT # T-14866

LABORATORY METHOD BLANK SUMMARY

Matrix: Water

Analyte	Amount	Reporting Limit ng/L	EPA Method Number
Tributyltin	ND	2.0	GC/FPD

QC FOR PROJECT # 14866

Concentrations of the following are in ng/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY:

Matrix: Water

Analyte	Sample Amount	Amount of Spike	Matrix Spike	MS % Rec	Matrix Spike Dup	MSD % Rec	RPD
Tributyltin							
14866-01	ND	50	51.4	103	59.4	119	14

QC FOR PROJECT # T-14866

LABORATORY CONTROL SPIKE

Concentrations of the following are in ng/L

Matrix: Water

Analyte	Amount of Spike	LCS Amount	LCS % Rec
Tributyltin	50	58	116

QC FOR PROJECT # 14866

SURROGATE RECOVERY

Surrogate	Sample	% Recovery	QC Limits
Tripropyltin	Laboratory Control Spike	80%	50 - 140
Tripropyltin	Method Blank	75%	50 - 140
Tripropyltin	14866-1	83%	50 - 140
Tripropyltin	14866-1 MS	75%	50 - 140
Tripropyltin	14866-1 MSD	76%	50 - 140

Report Summary of positive results, PR35298

			Result	MDL	UNITS
Analyzed	970708172	MW-972-92			
Analyzed	970708173	MW-972-91			
07/19/97	Lead, Total, ICAP/MS		5.8	2.000	UGL
Analyzed	970708174	MW-972-35			
07/09/97	Carbon Tetrachloride		1.9	.500	UGL
07/09/97	Chloroform (Trichloromethane)		0.5	.500	UGL
07/10/97	Alkalinity		185	2.000	MGL
07/17/97	Anion Sum		4.48	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		225	.001	MGL
07/22/97	Calcium, Flame AA		40	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		1.84	.001	MGL
07/23/97	Cation Sum		4.58	.001	MEQL
07/09/97	Chloride		12	1.000	MGL
07/16/97	Iron, Total, ICAP/MS		320	******	UGL
07/10/97	Lab pH		8.1	.001	UNIT
07/20/97	Magnesium, Flame AA		12	1.000	MGL
07/09/97	Nitrate-N by IC		1.0	.100	MGL
07/19/97	Potassium, Flame AA		2.6	1.000	MGL
07/19/97	Sodium, Flame AA		35	1.000	MGL
07/08/97	Specific Conductance		395	4.000	UMHO
07/09/97	Sulfate		18	2.000	MGL
07/10/97	Total Dissolved Solids		260	10.000	MGL
Analyzed	970708175	MW-972-36			
07/09/97	Carbon Tetrachloride		4.9	.500	UGL
07/09/97	Chloroform (Trichloromethane)		1.3	.500	UGL
07/10/97	Alkalinity		200	2.000	MGL
07/17/97	Anion Sum		5.08	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		243	.001	MGL
07/22/97	Calcium, Flame AA		56	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		1.58	.001	MGL
07/23/97	Cation Sum		5.11	.001	MEQL
07/09/97	Chloride		14	1.000	MGL
07/16/97	Iron, Total, ICAP/MS		370	******	UGL
07/10/97	Lab pH		8.0	.001	UNIT
07/20/97	Magnesium, Flame AA		15	1.000	MGL
07/09/97	Nitrate-N by IC		1.2	.100	MGL
07/19/97	Potassium, Flame AA		2.9	1.000	MGL
07/19/97	Sodium, Flame AA		23	1.000	MGL
07/08/97	Specific Conductance		440	4.000	UMHO
07/09/97	Sulfate		29	2.000	MGL
07/10/97	Total Dissolved Solids		290	10.000	MGL
Analyzed	970708176	MW-972-37			
07/09/97	Carbon Tetrachloride		20	.500	UGL
07/09/97	Chloroform (Trichloromethane)		1.6	.500	UGL
07/10/97	Alkalinity		200	2.000	MGL
07/17/97	Anion Sum		5.22	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		243	.001	MGL

07/22/97	Calcium, Flame AA	56	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	1.58	.001	MGL
07/23/97	Cation Sum	5.33	.001	MEQL
07/09/97	Chloride	16	1.000	MGL
07/16/97	Iron, Total, ICAP/MS	500	******	UGL
07/10/97	Lab pH	8.0	.001	UNIT
07/20/97	Magnesium, Flame AA	17	1.000	MGL
07/09/97	Nitrate-N by IC	1.2	.100	MGL
07/19/97	Potassium, Flame AA	3.5	1.000	MGL
07/19/97	Sodium, Flame AA	24	1.000	MGL
07/08/97	Specific Conductance	450	4.000	UMHO
07/09/97	Sulfate	33	2.000	MGL
07/10/97	Total Dissolved Solids	280	10.000	MGL

Analyzed 970708177 MW-972-38

07/24/97	Data Entry	08/06/97		--
07/09/97	Carbon Tetrachloride	1.0	.500	UGL
07/09/97	Chloroform (Trichloromethane)	0.8	.500	UGL
07/10/97	Alkalinity	200	2.000	MGL
07/17/97	Anion Sum	5.29	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated	244	.001	MGL
07/22/97	Calcium, Flame AA	56	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	0.631	.001	MGL
07/23/97	Cation Sum	5.50	.001	MEQL
07/09/97	Chloride	14	2.000	MGL
07/16/97	Iron, Total, ICAP/MS	350	******	UGL
07/10/97	Lab pH	7.6	.001	UNIT
07/20/97	Magnesium, Flame AA	19	1.000	MGL
07/09/97	Nitrate-N by IC	1.7	.200	MGL
07/19/97	Potassium, Flame AA	3.8	1.000	MGL
07/19/97	Sodium, Flame AA	24	1.000	MGL
07/08/97	Specific Conductance	475	4.000	UMHO
07/09/97	Sulfate	37	4.000	MGL
07/10/97	Total Dissolved Solids	310	10.000	MGL

MONTGOMERY WATSON LABORATORIES

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

AUG 07 1997

DEB* Debbie Frank

Report#: 35298
JPL

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Laboratory Report #35298

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

Samples Received
08-jul-1997 17:21:15

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-92 (970708172) Sampled on 07/08/97								
				Regulated VOCs plus Lists 1&3				
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Report
#35298

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=7.75)	1.9	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	81	% 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-972-91 (970708173) Sampled on 07/08/97								
07/16/97	07/17/97	64449	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/16/97	07/19/97	64453	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/16/97	07/19/97	64456	(EPA/ML 200.8)	Lead, Total, ICAP/MS	5.8	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
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#35298

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=7.74)	1.3	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	112	% Rec		
			(Surrogate)	4-Bromofluorobenzene	82	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-35 (970708174) Sampled on 07/08/97								
	07/10/97	64244	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	4.48	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	40	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	4.58	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.84	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	395	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	320	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	225	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	35	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/10/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	07/09/97	64293	(ML/EPA 300.0)	Sulfate	18	mg/l	2.0	1
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	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
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	1.9	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(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	85	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-972-36 (970708175) Sampled on 07/08/97

	07/10/97	64244	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	5.08	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	56	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	5.11	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.58	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	440	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	370	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	243	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.10	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/10/97		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64293	(ML/EPA 300.0)	Sulfate	29	mg/l	2.0	1
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	290	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	4.9	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(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	84	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-37 (970708176) Sampled on 07/08/97								
	07/10/97	64244	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	5.22	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	56	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	5.33	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	16	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.58	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	450	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	500	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	243	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	3.5	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.10	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/10/97		(ML/SM 4500H)	Lab pH	8.0	Units	0.0010	1
	07/09/97	64293	(ML/EPA 300.0)	Sulfate	33	mg/l	2.0	1
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	280	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	20	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.6	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(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
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(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	90	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-972-38 (970708177) Sampled on 07/08/97

	07/10/97	64244	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	5.29	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	56	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	5.50	meq/l	0.0010	1
	07/09/97	64291	(ML/EPA 300)	Chloride	14	mg/l	2.0	2
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.631	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/08/97	64207	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/08/97		(ML/S2510B)	Specific Conductance	475	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	350	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	3.8	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	24	mg/l	1.0	1
	07/09/97	64292	(ML/EPA 300.0)	Nitrate-N by IC	1.7	mg/l	0.20	2
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/10/97		(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	07/09/97	64293	(ML/EPA 300.0)	Sulfate	37	mg/l	4.0	2
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	310	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	1.0	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.8	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	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
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(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	82	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			Tributyltin					
	07/24/97	65096	(GC/FPD	) Tributyltin	ND	ng/l	2.0	1
			(Surrogate	) Tripropyltin	83	% Rec		

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Group Comments

(Iron) There was a trace hit for Iron in the prep blank at 38ppb less than half the reporting limit. No action is taken

Results for tributyltin submitted by ToxScan.

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Foster Wheeler Environmental, Inc

QC Batch #64207 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0484	96.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0511	102.2	(78.00 - 118.00)	5.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0470	94.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0484	96.8	(80.00 - 120.00)	2.9

QC Batch #64219 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	652	93.1	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #64244 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	102	106.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	102	106.0	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	111	115.4	(80.00 - 120.00)	
MSD	Alkalinity	96.2	109	113.3	(80.00 - 120.00)	1.8

QC Batch #64256 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.91	97.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.04	101.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.16	104.2	(70.00 - 130.00)	

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

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MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.46	111.5	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	3.87	96.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.95	98.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.79	94.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.84	98.0	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.11	102.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.94	98.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.21	105.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.99	100.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.11	102.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			

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

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MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.34	108.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.13	106.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.90	97.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.01	100.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.95	98.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.25	106.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.93	96.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.71	92.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.63	95.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.15	103.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.80	95.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			

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

MONTGOMERY WATSON LABORATORIES

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(continued)

MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.62	90.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.47	111.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64291 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.1	96.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.2	96.8	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	24.3	97.2	(80.00 - 120.00)	
MSD	Chloride	25	24.7	98.8	(80.00 - 120.00)	1.6

QC Batch #64292 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	0.00
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	0.00

QC Batch #64293 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.1	94.2	(90.00 - 110.00)	
LCS2	Sulfate	50	47.1	94.2	(90.00 - 110.00)	0.00
MBLK	Sulfate	ND				
MS	Sulfate	50	49.2	98.4	(70.00 - 130.00)	

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

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QC Report
#35298

Foster Wheeler Environmental, Inc
(continued)

MSD	Sulfate	50	49.5	99.0	(70.00 - 130.00)	0.61

QC Batch #64407 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0177	88.5	(85.00 - 115.00)	22
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.023	115.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	2.2

QC Batch #64437 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	504	100.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	515	103.0	(85.00 - 115.00)	2.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	521	104.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	580	116.0	(70.00 - 130.00)	11

QC Batch #64444 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	106	106.0	(85.00 - 115.00)	0.95
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	0.00

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

MONTGOMERY WATSON LABORATORIES

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

QC Batch #64446 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.9	104.5	(85.00 - 115.00)	5.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.7	98.5	(70.00 - 130.00)	8.7

QC Batch #64449 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0193	96.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.019	95.0	(85.00 - 115.00)	1.6
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0194	97.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	14

QC Batch #64453 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	95.8	95.8	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	95.5	95.5	(85.00 - 115.00)	0.31
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	89.2	89.2	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	98.9	98.9	(70.00 - 130.00)	10

QC Batch #64456 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19	95.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	18.8	94.0	(85.00 - 115.00)	1.1
MBLK	Lead, Total, ICAP/MS	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Lead, Total, ICAP/MS	20	19	95.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	20.4	102.0	(70.00 - 130.00)	7.1

QC Batch #64567 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	3.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.6	113.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	22.5	112.5	(85.00 - 115.00)	0.44

QC Batch #64570 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	0.00
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	52.1	104.2	(85.00 - 115.00)	0.38

QC Batch #64572 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.3	106.5	(90.00 - 110.00)	3.8
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	0.95

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

MONTGOMERY WATSON LABORATORIES

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Laboratory
QC Report
#35298

Foster Wheeler Environmental, Inc
(continued)

QC Batch #64576 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	54.8	109.6	(90.00 - 110.00)	5.8
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.6	99.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.3	100.6	(85.00 - 115.00)	1.4

QC Batch #65096 Tributyltin

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS	Tributyltin	50	58	116.0	(50.00 - 150.00)	
MBLK	Tributyltin	ND				
MS	Tributyltin	50	51.4	102.8	(50.00 - 150.00)	
MSD	Tributyltin	50	59.4	118.8	(50.00 - 150.00)	14

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

MONTGOMERY WATSON LABORATORIES

August 12, 1997

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

Attention: Mark Cutler

Re: Report # 35337 (MW-972-94,-93,-39,-40)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
NONE
Samples requiring dilution (with increased MRL's):
NONE
Method blanks with compounds detected:
NONE
Other Comments:
Chloroform was detected in sample ID: MW-972-39,-40
Tributyltin was detected in sample ID: MW-972-40
TICS
VOC of unknown identification (RT=7.74) was detected in SAMPLE ID: MW-972-94,-93

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

Past due 550.00 4/2

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 #SANS94-1162LG
Group#: 35337
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/09/97. 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
970709144	MW-972-94		Water					07/09/97
		@VOASDWA						
970709145	MW-972-93		Water					07/09/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI		
970709146	MW-972-39		Water					07/09/97
		@TBT	@VOASDWA	CR-MS	PB-MS	AS-GF		
		TDS	CATION	ANION1	PH	EC	HCO3	
		CO3	ALK	NO3	SO4	CL	FE-MS	
		K-FL	NA-FL	MG-FL	CA-FL	CR-VI		
970709147	MW-972-40		Water					07/09/97
		@TBT	@VOASDWA	CR-MS	PB-MS	AS-GF		
		CR-VI						

Test Acronym Description

Test Acronym	Description
@TBT	Tributyltin
@VOASDWA	Regulated VOCs plus Lists 1&3
ALK	Alkalinity
ANION1	Anion Sum
AS-GF	Arsenic, Total, GF
CA-FL	Calcium, Flame AA
CATION	Cation Sum
CL	Chloride
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium
EC	Specific Conductance
FE-MS	Iron, Total, ICAP/MS
HCO3	Bicarbonate as HCO3,calculated
K-FL	Potassium, Flame AA
MG-FL	Magnesium, Flame AA

5006
201725 CLIENT#

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35337
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

Test Acronym	Description
NA-FL	Sodium, Flame AA
NO3	Nitrate-N by IC
PB-MS	Lead, Total, ICAP/MS
PH	Lab pH
SO4	Sulfate
TDS	Total Dissolved Solids

35337

FOSTER WHEELER ENVIRONMENTAL CORPORATION

No 0886

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Page 1 of 1

Project: JPL

OFS No. 1572

Project Address: 4800 OAK GROVE DR. PASADENA CA

Sampler (Name): GARY L. SHAW

Sampler: (Signature): Gary L Shaw

Laboratory: Montgomery Watson

Reports to Be Sent to: MARK CUTLER

HAZARD IDENTIFICATION: Nonhazard ☒ 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 (EPA 524.2)	Tributyltin	Total Cr. Pb. As (EPA 6010 7000)	Anions	Hexavalent Chrome					
MW-972-94	7-9-97	0800	2	40 ml	✓			X					97	07	09	14	4
MW-972-93	7-9-97	0810	4	2 x 40 ml, 1 x 250 ml, 1 x 250 ml	✓			X		X		X	97	07	09	14	
MW-972-39	7-9-97	1545	8	2 x 40 ml, 1 x 500 ml, 3 x 1L, 1 x 125, 1 x 250 ml	✓			X	X	X	X	X	97	07	09	14	6
MW-972-40	7-9-97	1548	7	2 x 40 ml, 3 x 1L, 1 x 250 ml, 1 x 125 ml	✓			X	X	X		X	97	07	09	14	7

LABORATORY INSTRUCTIONS/COMMENTS: Level IV QA/QC

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Gary L Shaw	7-9-97				
Company: FWENC	Time: 17:19	Company: M.W	Company:	Time:	Company:

F-2

Shipping Copy (Pink) • File Copy (White) • Field Copy (Canary)

ToxScan, Inc. 42 Hangar Way • Watsonville, CA 95076-2404 • (408) 724-4522 • FAX (408) 724-3188

35337 97-233

ENSERCH

July 30, 1997

ToxScan Number: T-14872

Montgomery Watson Laboratories
555 E. Walnut Street
Pasadena, CA 91101

Attn: Martha Frost

Project Name:	None
Project Number:	35337
Date Sampled:	July 09, 1997
Date Received:	July 11, 1997
Matrix:	Liquid

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

Tributyltin in water by Gas Chromatograpy with a Flame Photometric Detector, (GC/FPD).

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

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

Sincerely,

Philip D. Carpenter

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Watson Laboratories
Method: EPA Method(s) GC/FPD
Date Completed: 7/24/97
Matrix: Liquid
Units: ng/L

ToxScan Number: T-14872

Client Sample ID	ToxScan Lab ID	Analyte	Sample Value	Reporting Limit
970709146	14872-01	Tributyltin	ND	2
970709147	14872-02	Tributyltin	2	2

ICV = 116% TBT

CCV = 120% TBT

EXPLANATION OF ACRONYMS FOR PROJECT # T-14872

The following is a glossary for acronyms that máy be used in this report.

Abbreviation	Definition
LCS	Laboratory Control Spike
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	None Detected
REP	Replicate
RPD	Relative Percent Difference
SRM	Standard Reference Material
TOC	Total Organic Carbon

QC FOR PROJECT # T-14872

LABORATORY METHOD BLANK SUMMARY

Matrix: Water

Analyte	Amount	Reporting Limit ng/L	EPA Method Number
Tributyltin	ND	2.0	GC/FPD

QC FOR PROJECT # 14872

Concentrations of the following are in ng/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY:

Matrix: Water

Analyte	Sample Amount	Amount of Spike	Matrix Spike	MS % Rec	Matrix Spike Dup	MSD % Rec	RPD
Tributyltin							
14866-01	ND	50	51.4	103	59.4	119	14

QC FOR PROJECT # T-14872

LABORATORY CONTROL SPIKE

Concentrations of the following are in ng/L

Matrix: Water

Analyte	Amount of Spike	LCS Amount	LCS % Rec
Tributyltin	50	58	116

QC FOR PROJECT # 14872

SURROGATE RECOVERY

Surrogate	Sample	% Recovery	QC Limits
Tripropyltin	Laboratory Control Spike	80%	50 - 140
Tripropyltin	Method Blank	75%	50 - 140
Tripropyltin	14866-1 MS	75%	50 - 140
Tripropyltin	14866-1 MSD	76%	50 - 140
Tripropyltin	14872-1	78%	50 - 140
Tripropyltin	14872-2	72%	50 - 140

ToxScan, Inc. 42 Hangar Way • Watsonville, CA 95076-2404 • (408) 724-4522 • FAX (408) 724-3188

35337 97-233

ENSERCH

July 30, 1997

ToxScan Number: T-14872

Montgomery Watson Laboratories
555 E. Walnut Street
Pasadena, CA 91101

Attn: Martha Frost

Project Name:	None
Project Number:	35337
Date Sampled:	July 09, 1997
Date Received:	July 11, 1997
Matrix:	Liquid

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

Tributyltin in water by Gas Chromatograpy with a Flame Photometric Detector, (GC/FPD).

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

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

Sincerely,

Philip D. Carpenter

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Watson Laboratories
Method: EPA Method(s) GC/FPD
Date Completed: 7/24/97
Matrix: Liquid
Units: ng/L

ToxScan Number: T-14872

Client Sample ID	ToxScan Lab ID	Analyte	Sample Value	Reporting Limit
970709146	14872-01	Tributyltin	ND	2
970709147	14872-02	Tributyltin	2	2

ICV = 116% TBT

CCV = 120% TBT

EXPLANATION OF ACRONYMS FOR PROJECT # T-14872

The following is a glossary for acronyms that may be used in this report.

Abbreviation	Definition
LCS	Laboratory Control Spike
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	None Detected
REP	Replicate
RPD	Relative Percent Difference
SRM	Standard Reference Material
TOC	Total Organic Carbon

QC FOR PROJECT # T-14872

LABORATORY METHOD BLANK SUMMARY

Matrix: Water

Analyte	Amount	Reporting Limit ng/L	EPA Method Number
Tributyltin	ND	2.0	GC/FPD

QC FOR PROJECT # 14872

Concentrations of the following are in ng/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY:

Matrix: Water

Analyte	Sample Amount	Amount of Spike	Matrix Spike	MS % Rec	Matrix Spike Dup	MSD % Rec	RPD
Tributyltin							
14866-01	ND	50	51.4	103	59.4	119	14

QC FOR PROJECT # T-14872

LABORATORY CONTROL SPIKE

Concentrations of the following are in ng/L

Matrix: Water

Analyte	Amount of Spike	LCS Amount	LCS % Rec
Tributyltin	50	58	116

QC FOR PROJECT # 14872

SURROGATE RECOVERY

Surrogate	Sample	% Recovery	QC Limits
Tripropyltin	Laboratory Control Spike	80%	50 - 140
Tripropyltin	Method Blank	75%	50 - 140
Tripropyltin	14866-1 MS	75%	50 - 140
Tripropyltin	14866-1 MSD	76%	50 - 140
Tripropyltin	14872-1	78%	50 - 140
Tripropyltin	14872-2	72%	50 - 140

Report Summary of positive results, PR35337

			Result	MDL	UNITS
Analyzed	970709144	MW-972-94			
Analyzed	970709145	MW-972-93			
Analyzed	970709146	MW-972-39			
07/24/97	Data Entry		08/06/97		--
07/09/97	Chloroform (Trichloromethane)		0.5	.500	UGL
07/15/97	Alkalinity		165	2.000	MGL
07/17/97	Anion Sum		4.33	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		201	.001	MGL
07/22/97	Calcium, Flame AA		40	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		0.520	.001	MGL
07/23/97	Cation Sum		4.33	.001	MEQL
07/11/97	Chloride		8.3	1.000	MGL
07/16/97	Iron, Total, ICAP/MS		1400	******	UGL
07/10/97	Lab pH		7.6	.001	UNIT
07/20/97	Magnesium, Flame AA		16	1.000	MGL
07/11/97	Nitrate-N by IC		0.6	.100	MGL
07/19/97	Potassium, Flame AA		3.8	1.000	MGL
07/19/97	Sodium, Flame AA		21	1.000	MGL
07/10/97	Specific Conductance		395	4.000	UMHO
07/11/97	Sulfate		36	2.000	MGL
07/10/97	Total Dissolved Solids		240	10.000	MGL
Analyzed	970709147	MW-972-40			
07/24/97	Data Entry		08/06/97		--
07/24/97	Tributyltin		2	2.000	NGL
07/09/97	Chloroform (Trichloromethane)		0.5	.500	UGL

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

AUG 07 1997

DEB* ~~Debbie~~ Frank

Report#: 35337
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 #35337

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

Samples Received
09-jul-1997 18:01:01

MW-972-94 (970709144) Sampled on 07/09/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
Report
#35337

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=7.75)	1.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	88	% 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-972-93 (970709145) Sampled on 07/09/97								
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/10/97	64406	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=7.74)	1.3	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	85	% 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-972-39 (970709146) Sampled on 07/09/97								
	07/15/97	64400	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	4.33	meq/l	0.0010	1
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	40	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	4.33	meq/l	0.0010	1
	07/11/97	64333	(ML/EPA 300)	Chloride	8.3	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	0.520	mg/l	0.0010	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/10/97	64406	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/10/97		(ML/S2510B)	Specific Conductance	395	umho/cm	4.0	1
07/15/97	07/16/97	64437	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1400	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	201	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	3.8	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	16	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	21	mg/l	1.0	1
	07/11/97	64335	(ML/EPA 300.0)	Nitrate-N by IC	0.6	mg/l	0.10	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/10/97		(ML/SM 4500H)	Lab pH	7.6	Units	0.0010	1
	07/11/97	64336	(ML/EPA 300.0)	Sulfate	36	mg/l	2.0	1
	07/10/97	64219	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	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
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(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	82	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
			Tributyltin					
	07/24/97	65096	(GC/FPD)	Tributyltin	ND	ng/l	2.0	1
			(Surrogate)	Tripropyltin	78	% Rec		
MW-972-40 (970709147)			**Sampled on 07/09/97**					
07/15/97	07/16/97	64407	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/15/97	07/16/97	64444	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/10/97	64406	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/15/97	07/16/97	64446	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/09/97	64256	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/09/97	64256	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/09/97	64256	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/09/97	64256	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/09/97	64256	(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	82	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
			Tributyltin					
	07/24/97	65096	(GC/FPD)	Tributyltin	2	ng/l	2.0	1
			(Surrogate)	Tripropyltin	72	% Rec		

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Group Comments

Results for tributyltin submitted by ToxScan.

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QC Batch #64219 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	700	652	93.1	(85.00 - 115.00)	
MBLK	Total Dissolved Solids	ND				

QC Batch #64256 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.91	97.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.04	101.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.16	104.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.46	111.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.79	94.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.84	98.0	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				

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

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LCS1	Benzene	4	4.11	102.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.94	98.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.21	105.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.99	100.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.11	102.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.34	108.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.13	106.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.78	94.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.90	97.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.01	100.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.95	98.8	(70.00 - 130.00)

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

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MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.25	106.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.93	96.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.71	92.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.63	95.4	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.15	103.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.80	95.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.62	90.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.47	111.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #64333 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.2	96.8	(90.00 - 110.00)	
LCS2	Chloride	25	24.1	96.4	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	24.0	96.0	(80.00 - 120.00)	
MSD	Chloride	25	25.3	101.2	(80.00 - 120.00)	5.3

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

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QC Batch #64335 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.40	96.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.36	94.4	(90.00 - 110.00)	1.7
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.34	93.6	(90.00 - 110.00)	
MSD	Nitrate-N by IC	2.5	2.47	98.8	(90.00 - 110.00)	5.4

QC Batch #64336 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.2	94.4	(90.00 - 110.00)	
LCS2	Sulfate	50	47.0	94.0	(90.00 - 110.00)	0.42
MBLK	Sulfate	ND				
MS	Sulfate	50	48.2	96.4	(70.00 - 130.00)	
MSD	Sulfate	50	50.8	101.6	(70.00 - 130.00)	5.3

QC Batch #64400 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	103	107.1	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	102	106.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	103	107.1	(80.00 - 120.00)	0.98

QC Batch #64406 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.051	102.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.05	100.0	(78.00 - 118.00)	2.0
MBLK	Hexavalent chromium	ND				

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

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)

MS	Hexavalent chromium	0.050	0.05	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.05	100.0	(80.00 - 120.00)	0.00

QC Batch #64407 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0177	88.5	(85.00 - 115.00)	22
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.023	115.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0225	112.5	(85.00 - 115.00)	2.2

QC Batch #64437 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	504	100.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	515	103.0	(85.00 - 115.00)	2.2
MBLK	Iron, Total, ICAP/MS	ND				
MS	Iron, Total, ICAP/MS	500	521	104.2	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	580	116.0	(70.00 - 130.00)	11

QC Batch #64444 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	105	105.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	106	106.0	(85.00 - 115.00)	0.95
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	104	104.0	(70.00 - 130.00)	0.00

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #64446 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	19.7	98.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	20.9	104.5	(85.00 - 115.00)	5.9
MBLK	Lead, Total, ICAP/MS	ND				
MS	Lead, Total, ICAP/MS	20	21.5	107.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.7	98.5	(70.00 - 130.00)	8.7

QC Batch #64567 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	3.7
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	22.6	113.0	(85.00 - 115.00)	
MSD	Potassium, Flame AA	20	22.5	112.5	(85.00 - 115.00)	0.44

QC Batch #64570 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.4	102.8	(90.00 - 110.00)	0.00
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	52.3	104.6	(85.00 - 115.00)	
MSD	Sodium, Flame AA	50	52.1	104.2	(85.00 - 115.00)	0.38

QC Batch #64572 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.3	106.5	(90.00 - 110.00)	3.8
MBLK	Magnesium, Flame AA	ND				

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

MONTGOMERY WATSON LABORATORIES

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

MS	Magnesium, Flame AA	20	21.1	105.5	(85.00 - 115.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(85.00 - 115.00)	0.95

QC Batch #64576 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.7	103.4	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	54.8	109.6	(90.00 - 110.00)	5.8
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	49.6	99.2	(85.00 - 115.00)	
MSD	Calcium, Flame AA	50	50.3	100.6	(85.00 - 115.00)	1.4

QC Batch #65096 Tributyltin

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS	Tributyltin	50	58	116.0	(50.00 - 150.00)	
MBLK	Tributyltin	ND				
MS	Tributyltin	50	51.4	102.8	(50.00 - 150.00)	
MSD	Tributyltin	50	59.4	118.8	(50.00 - 150.00)	14

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

MONTGOMERY WATSON LABORATORIES

August 12, 1997

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

Attention: Mark Cutler

Re: Report # 35380 (MW-972-96,-95,-53,-54,-55,-56,-57,-58)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
NONE
Samples requiring dilution (with increased MRL's):
MW-972-56 Chloride, nitrate, and sulfate
Method blanks with compounds detected:
(VOC) a compound of unknown identification (RT=7.72) was detected in the method blank.
Other Comments:
1,1 dichloroethylene was detected in sample ID: MW-972-56,-57
Carbon Tetrachloride was detected in sample ID: MW-972-56,-57
Chloroform was detected in sample ID: MW-972-56,-57
Trichloroethylene was detected in sample ID: MW-972-56,-57
Tributyltin was detected in sample ID: MW-972-56
Total chromium was detected in sample ID: MW-972-56,57
TICS
VOC of unknown identification (RT=7.74) was detected in SAMPLE ID: MW-972-96

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

Quality Environmental Analysis

Part due 5500 4/2

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 #SANS94-1162LG
Group#: 35380
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

The following samples were received from you on 07/10/97. 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
970710140	MW-972-96			Water			07/10/97
		@VOASDWA					
970710141	MW-972-95			Water			07/10/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970710142	MW-972-53			Water			07/10/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970710143	MW-972-54			Water			07/10/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970710144	MW-972-55			Water			07/10/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	TDS	
		CATION	ANION1	PH	EC	HCO3	CO3
		ALK	NO3	SO4	CL	FE-MS	K-FL
		NA-FL	MG-FL	CA-FL	CR-VI		
970710145	MW-972-56			Water			07/10/97
		@TBT	@VOASDWA	CR-MS	PB-MS	AS-GF	
		TDS	CATION	ANION1	PH	EC	HCO3
		CO3	ALK	NO3	SO4	CL	FE-MS
		K-FL	NA-FL	MG-FL	CA-FL	CR-VI	
970710146	MW-972-57			Water			07/10/97
		@VOASDWA	CR-MS	PB-MS	AS-GF	CR-VI	
970710147	MW-972-58			Water			07/10/97
		@TBT	@VOASDWA	CR-MS	PB-MS	AS-GF	
		TDS	CATION	ANION1	PH	EC	HCO3
		CO3	ALK	NO3	SO4	CL	FE-MS
		K-FL	NA-FL	MG-FL	CA-FL	CR-VI	

Test Acronym Description

Test Acronym	Description

5024 SCSI

20725 CLIENT

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

Customer Code: ENSERCH
PO#: Sub #SANS94-1162LG
Group#: 35380
Project#: JPL
Proj Mgr: Debbie Frank
Phone: (714) 444-5526

Test Acronym Description

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

35380

12 0955

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

Project: JPL

OFS No. 1572

Project Address: 4800 Oak Grove Dr. Pasadena Ca.

Sampler (Name): Gary L. SHAW

Sampler: (Signature): Gary L. Shaw

Laboratory: Montgomery Watson

Reports to Be Sent to: Mark Cutler

HAZARD IDENTIFICATION: Nonhazard ☒ 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's	Tributyltin	Total metals Cr. Pb. As	Arsenic	Hexavalent Chrome					
MW-972-96	0850	7-10-97	2	2 X 40 mL	✓			X					9	7	0	7	1 0 1 4 0
MW-972-95	0900	7-10-97	4	2X40 mL 1X250mL 1X250mL	✓			X		X		X	9	7	0	7	1 0 1 4 1
MW-972-53	0930	7-10-97	5	2X40mL 1X250mL 1X500mL 1X125mL	✓			X		X	X	X	9	7	0	7	1 0 1 4 2
MW-972-54	1045	7-10-97	5	2X40mL 1X250mL 1X500mL 1X125mL	✓			X		X	X	X	9	7	0	7	1 0 1 4 3
MW-972-55	1155	7-10-97	5	2X40mL 1X250mL 1X500mL 1X125mL	✓			X		X	X	X	9	7	0	7	1 0 1 4 4
MW-972-56	1420	7-10-97	8	2X40mL 3X1L. 1X250mL 1X500mL 1X125	✓			X	X	X	X	X	9	7	0	7	1 0 1 4 5
MW-972-57	1420	7-10-97	4	2X40mL 1X250mL 1X125mL				X		X		X	9	7	0	7	1 0 1 4 6
MW-972-58	1630	7-10-97	8	2X40mL 3X1L 1X250mL 1X500mL 1X125				X	X	X	X	X	9	7	0	7	1 0 1 4 7

LABORATORY INSTRUCTIONS/COMMENTS:

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Gary L Shaw	7-10-97				
Company: FWENC	Time: 17:09	Company: M.W	Company:	Time:	Company:

F-2

Shipping Copy (Pink) • File Copy (White) • Field Copy (Canary)

Report Summary of positive results, PR35380

			Result	MDL	UNITS
Analyzed	970710140	MW-972-96			
Analyzed	970710141	MW-972-95			
07/15/97	Toluene		0.8	.500	UGL
Analyzed	970710142	MW-972-53			
07/15/97	Alkalinity		180	2.000	MGL
07/17/97	Anion Sum		4.27	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		219	.001	MGL
07/22/97	Calcium, Flame AA		35	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		1.79	.001	MGL
07/23/97	Cation Sum		4.16	.001	MEQL
07/11/97	Chloride		8.8	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		870	******	UGL
07/15/97	Lab pH		8.1	.001	UNIT
07/20/97	Magnesium, Flame AA		10	1.000	MGL
07/11/97	Nitrate-N by IC		1.0	.100	MGL
07/19/97	Potassium, Flame AA		2.5	1.000	MGL
07/19/97	Sodium, Flame AA		35	1.000	MGL
07/15/97	Specific Conductance		380	4.000	UMHO
07/11/97	Sulfate		17	2.000	MGL
07/14/97	Total Dissolved Solids		230	10.000	MGL
Analyzed	970710143	MW-972-54			
07/15/97	Alkalinity		165	2.000	MGL
07/17/97	Anion Sum		4.13	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		200	.001	MGL
07/22/97	Calcium, Flame AA		28	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		2.06	.001	MGL
07/23/97	Cation Sum		4.06	.001	MEQL
07/11/97	Chloride		14	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		660	******	UGL
07/15/97	Lab pH		8.2	.001	UNIT
07/20/97	Magnesium, Flame AA		11	1.000	MGL
07/11/97	Nitrate-N by IC		3.9	.100	MGL
07/19/97	Potassium, Flame AA		2.4	1.000	MGL
07/19/97	Sodium, Flame AA		39	1.000	MGL
07/15/97	Specific Conductance		380	4.000	UMHO
07/11/97	Sulfate		7.4	2.000	MGL
07/14/97	Total Dissolved Solids		220	10.000	MGL
Analyzed	970710144	MW-972-55			
07/15/97	Alkalinity		165	2.000	MGL
07/17/97	Anion Sum		4.69	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated		201	.001	MGL
07/22/97	Calcium, Flame AA		42	1.000	MGL
07/17/97	Carbonate as CO3, Calculated		1.31	.001	MGL
07/23/97	Cation Sum		4.62	.001	MEQL
07/11/97	Chloride		22	1.000	MGL
07/19/97	Iron, Total, ICAP/MS		180	******	UGL
07/15/97	Lab pH		8.0	.001	UNIT

07/20/97	Magnesium, Flame AA	14	1.000	MGL
07/11/97	Nitrate-N by IC	7.6	.100	MGL
07/19/97	Potassium, Flame AA	2.3	1.000	MGL
07/19/97	Sodium, Flame AA	30	1.000	MGL
07/15/97	Specific Conductance	440	4.000	UMHO
07/11/97	Sulfate	11	2.000	MGL
07/14/97	Total Dissolved Solids	270	10.000	MGL
Analyzed	970710145 MW-972-56			
07/24/97	Data Entry	08/06/97		--
07/24/97	Tributyltin	2	2.000	NGL
07/15/97	1,1-Dichloroethylene	0.5	.500	UGL
07/15/97	Carbon Tetrachloride	4.0	.500	UGL
07/15/97	Chloroform (Trichloromethane)	3.4	.500	UGL
07/15/97	Trichloroethylene (TCE)	5.7	.500	UGL
07/15/97	Alkalinity	155	2.000	MGL
07/17/97	Anion Sum	6.54	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated	189	.001	MGL
07/22/97	Calcium, Flame AA	67	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	0.245	.001	MGL
07/23/97	Cation Sum	6.57	.001	MEQL
07/11/97	Chloride	55	2.000	MGL
07/19/97	Chromium, Total, ICAP/MS	13	10.000	UGL
07/19/97	Iron, Total, ICAP/MS	670	******	UGL
07/15/97	Lab pH	7.3	.001	UNIT
07/20/97	Magnesium, Flame AA	25	1.000	MGL
07/11/97	Nitrate-N by IC	7.8	.200	MGL
07/19/97	Potassium, Flame AA	2.9	1.000	MGL
07/19/97	Sodium, Flame AA	25	1.000	MGL
07/15/97	Specific Conductance	650	4.000	UMHO
07/11/97	Sulfate	64	4.000	MGL
07/14/97	Total Dissolved Solids	390	10.000	MGL
Analyzed	970710146 MW-972-57			
07/15/97	1,1-Dichloroethylene	0.8	.500	UGL
07/15/97	Carbon Tetrachloride	6.2	.500	UGL
07/15/97	Chloroform (Trichloromethane)	4.6	.500	UGL
07/15/97	Trichloroethylene (TCE)	8.6	.500	UGL
07/19/97	Chromium, Total, ICAP/MS	11	10.000	UGL
Analyzed	970710147 MW-972-58			
07/24/97	Data Entry	08/06/97		--
07/15/97	Alkalinity	135	2.000	MGL
07/17/97	Anion Sum	3.59	.001	MEQL
07/17/97	Bicarbonate as HCO3,calculated	165	.001	MGL
07/22/97	Calcium, Flame AA	35	1.000	MGL
07/17/97	Carbonate as CO3, Calculated	0.214	.001	MGL
07/23/97	Cation Sum	3.56	.001	MEQL
07/11/97	Chloride	10	1.000	MGL
07/19/97	Iron, Total, ICAP/MS	1500	******	UGL
07/15/97	Lab pH	7.3	.001	UNIT
07/20/97	Magnesium, Flame AA	12	1.000	MGL
07/11/97	Nitrate-N by IC	0.9	.100	MGL
07/19/97	Potassium, Flame AA	3.3	1.000	MGL
07/19/97	Sodium, Flame AA	17	1.000	MGL
07/15/97	Specific Conductance	340	4.000	UMHO
07/11/97	Sulfate	26	2.000	MGL

07/14/97	Total Dissolved Solids	210	10.000	MGL

ToxScan, Inc. 42 Hangar Way • Watsonville, CA 95076-2404 • (408) 724-4522 • FAX (408) 724-3188

35380 97-236
ENSERCH

July 30, 1997

ToxScan Number: T-14881

Montgomery Watson Laboratories
555 E. Walnut Street
Pasadena, CA 91101

Attn: Martha Frost

Project Name:	None
Project Number:	35380
Date Sampled:	July 10, 1997
Date Received:	July 15, 1997
Matrix:	Liquid

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

Tributyltin in water by Gas Chromatograpy with a Flame Photometric Detector, (GC/FPD).

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

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

Sincerely,

Philip D. Carpenter

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Watson Laboratories
Method: EPA Method(s) GC/FPD
Date Completed: 7/24/97
Matrix: Liquid
Units: ng/L

ToxScan Number: T-14881

Client Sample ID	ToxScan Lab ID	Analyte	Sample Value	Reporting Limit
970710145	14881-01	Tributyltin	2	2
970710147	14881-02	Tributyltin	ND	2

ICV = 116% TBT

CCV = 120% TBT

EXPLANATION OF ACRONYMS FOR PROJECT # T-14881

The following is a glossary for acronyms that may be used in this report.

Abbreviation	Definition
LCS	Laboratory Control Spike
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	None Detected
REP	Replicate
RPD	Relative Percent Difference
SRM	Standard Reference Material
TOC	Total Organic Carbon

QC FOR PROJECT # T-14881

LABORATORY METHOD BLANK SUMMARY

Matrix: Water

Analyte	Amount	Reporting Limit ng/L	EPA Method Number
Tributyltin	ND	2.0	GC/FPD

QC FOR PROJECT # 14881

Concentrations of the following are in ng/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY:

Matrix: Water

Analyte	Sample Amount	Amount of Spike	Matrix Spike	MS % Rec	Matrix Spike Dup	MSD % Rec	RPD
Tributyltin							
14866-01	ND	50	51.4	103	59.4	119	14

QC FOR PROJECT # T-14881

LABORATORY CONTROL SPIKE

Concentrations of the following are in ng/L

Matrix: Water

Analyte	Amount of Spike	LCS Amount	LCS % Rec
Tributyltin	50	58	116

QC FOR PROJECT # 14881

SURROGATE RECOVERY

Surrogate	Sample	% Recovery	QC Limits
Tripropyltin	Laboratory Control Spike	80%	50 - 140
Tripropyltin	Method Blank	75%	50 - 140
Tripropyltin	14866-1 MS	75%	50 - 140
Tripropyltin	14866-1 MSD	76%	50 - 140
Tripropyltin	14881-1	61%	50 - 140
Tripropyltin	14881-2	57%	50 - 140

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 07 1997

DEB* Debbie Frank

Report#: 35380
JPL

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Laboratory
Report
#35380

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

Samples Received
10-jul-1997 17:27:54

MW-972-96 (970710140) Sampled on 07/10/97

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97	64428	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Report
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97	64428	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Unknown (RT=7.72)	1.1 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	106	% Rec		

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Laboratory
Report
#35380

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-95 (970710141) Sampled on 07/10/97								
07/16/97	07/17/97	64449	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
07/16/97	07/19/97	64453	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/10/97	64406	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
07/16/97	07/19/97	64456	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	07/15/97	64428	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	07/15/97	64428	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#35380

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	07/15/97	64428	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Toluene	0.8	ug/l	0.50	1
	07/15/97	64428	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	105	% Rec		

Continue

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Laboratory
Report
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-972-53 (970710142) Sampled on 07/10/97								
	07/15/97	64400	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	07/17/97		(ML/SM1040)	Anion Sum	4.27	meq/l	0.0010	1
07/16/97	07/17/97	64449	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	07/22/97	64576	(ML/S3111B)	Calcium, Flame AA	35	mg/l	1.0	1
	07/23/97		(ML/SM1040)	Cation Sum	4.16	meq/l	0.0010	1
	07/11/97	64333	(ML/EPA 300)	Chloride	8.8	mg/l	1.0	1
	07/17/97		(ML/S2320-B)	Carbonate as CO3, Calculated	1.79	mg/l	0.0010	1
07/16/97	07/19/97	64453	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	07/10/97	64406	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	07/15/97		(ML/S2510B)	Specific Conductance	380	umho/cm	4.0	1
07/16/97	07/19/97	64454	(EPA/ML 200.8)	Iron, Total, ICAP/MS	870	ug/l	100	1
	07/17/97		(ML/S2320B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
	07/19/97	64567	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	07/20/97	64572	(ML/S3111B)	Magnesium, Flame AA	10	mg/l	1.0	1
	07/19/97	64570	(ML/S3111B)	Sodium, Flame AA	35	mg/l	1.0	1
	07/11/97	64335	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
07/16/97	07/19/97	64456	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	07/15/97		(ML/SM 4500H)	Lab pH	8.1	Units	0.0010	1
	07/11/97	64336	(ML/EPA 300.0)	Sulfate	17	mg/l	2.0	1
	07/14/97	64395	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	07/16/97	64470	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	07/16/97	64470	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1