



FOSTER WHEELER ENVIRONMENTAL CORPORATION

Groundwater Sampling Field Data Sheet for Multi-Port Well

Project: JPL Location: MW-23 Depth: 542 Date: 12/8/99

Well Name: MW-23 Sampling Zone No.: 5 Starting Time: 0820 Finishing Time: 1125

Technicians T. Turpyn-Keaster, D. Strong, J. Donnay

Water Level Inside MP Casing (Beginning of Session) 161.75 psia (End of Session) 161.73 psia

Run No.	Surface Function Checks					Position Sampler	Surface Collection Checks					Comments		
	Activate	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed		Deactivate Set Arm Locate Port	Water Level in MP (ft)	Activate	Valve Open Time	Valve Closed Time		Deactivate	Water Level in MP (ft) Remove Tape
1	✓	✓	✓	✓	✓	✓	160.85 161.75	✓	0828	0834	✓	161.76	1.0	1 st RUN INITIAL PARAMETERS NTUS = 1.70
2	✓	✓	✓	✓	✓	✓	COM	FAILURE						COLLECT MW-994-074 (11) 2 VOCs Cr Tot Cr 6t. ClO4
3	✓	✓	✓	✓	✓	✓	161.72	✓	1109	1113	✓	161.73	1.0	COLLECT MW-994-074 VOCs Cr Tot Cr 6t. ClO4
4														
5														
6														
7														
8														
9														
10														
11														
12														

Comments: PRESSURE OUTSIDE MP casing = 179.58 psia

Total Volume: 2.2 ^{F2}



FOSTER WHEELER ENVIRONMENTAL CORPORATION

Groundwater Sampling Field Data Sheet for Multi-Port Well

Project: JPL Location: MW-24 Depth: 279 Date: 12/7/99Well Name: MW-24 Sampling Zone No.: 1 Starting Time: 1405 Finishing Time: 1500Technicians T. Turpin-Keaster, D. Strong, J. DonnaWater Level Inside MP Casing (Beginning of Session) 14.12 psia (End of Session) 14.12 psia

Run No.	Surface Function Checks					Position Sampler	Surface Collection Checks						Comments	
	Activate	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Water Level in MP (ft)	Activate	Valve Open Time	Valve Closed Time	Deactivate	Water Level in MP (ft) Remove Tape		Volume Retrieved (liters)
1	✓	✓	✓	✓	✓	✓	14.12	✓	1417	1420	✓	14.12	1.0	1 st RUN; INITIAL PARTICLES NTUs = 1.16
2	✓	✓	✓	✓	✓	✓	14.12	✓	1443	1447	✓	14.12	1.0	COLLECT MW-24-075 VOCs, Cr, Pb, Cu, Cd, -
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Comments: Pressure outside MP casing = 35.21 psiaTotal Volume: 2.0 l^{F2}



FOSTER WHEELER ENVIRONMENTAL CORPORATION

Groundwater Sampling Field Data Sheet for Multi-Port Well

Project: JPL Location: MW-24 Depth: 373 Date: 12/7/99

Well Name: MW-24 Sampling Zone No.: 2 Starting Time: 1315 Finishing Time: 1405

Technicians: T. Turpin-Keasler, D. Strous, J. Donna

Water Level Inside MP Casing (Beginning of Session) 37.74 psia (End of Session) 37.76 psia

Run No.	Surface Function Checks					Position Sampler	Surface Collection Checks						Comments	
	Activate	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed		Deactivate Set Arm Locate Port	Water Level in MP (ft)	Activate	Valve Open Time	Valve Closed Time	Deactivate		Water Level in MP (ft) Remove Tape
1	✓	✓	✓	✓	✓	✓	37.74	✓	1322	1326	✓	37.74	1.0	1 ST RUN; INITIAL PARAMETERS NTUs = 24.3
2	✓	✓	✓	✓	✓	✓	37.72	✓	1344	1347	✓	37.76	1.0	NOTES = 23.8 COLLECT MW-24-2076
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														

Comments: PRESSURE OUTSIDE MP CASING = 75.89 psia

Total Volume: 2.0 ^{F2}



FOSTER WHEELER ENVIRONMENTAL CORPORATION

Groundwater Sampling Field Data Sheet for Multi-Port Well

Project: JPL Location: MW-29 Depth: 435 Date: 12/7/99Well Name: MW-29 Sampling Zone No.: 3 Starting Time: 1200 Finishing Time: 1310Technicians T. Turpin-Keaster, D. Strong, J. DonnayWater Level Inside MP Casing (Beginning of Session) 64.65 psia (End of Session) _____

Run No.	Surface Function Checks					Position Sampler	Surface Collection Checks						Comments	
	Activate	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed	Deactivate Set Arm Locate Port	Water Level in MP (ft)	Activate	Valve Open Time	Valve Closed Time	Deactivate	Water Level in MP (ft) Remove Tape		Volume Retrieved (liters)
1	✓	✓	✓	✓	✓	✓	64.65	✓	1205	1207	✓	64.67	1.0	1 st RUN INITIAL PARAMETERS NTUS = 47.8
2	✓	✓	✓	✓	✓	✓	64.62	✓	1231	1234	✓	64.65	1.0	2 nd RUN NTUS = 45.5
3	✓	✓	✓	✓	✓	✓	64.63	✓	1257	1300	✓	64.64	1.0	COLLECT MW-994-077 2 VOLS, CRIST, CRFT, C104-
4	✓	✓	✓	✓	✓	✓	(11)							
5														
6														
7														
8														
9														
10														
11														
12														

Comments: PRESSURE OUTSIDE MP CASINGS = 101.06 psiaTotal Volume: 3 L



FOSTER WHEELER ENVIRONMENTAL CORPORATION

Groundwater Sampling Field Data Sheet for Multi-Port Well

Project: JPL Location: MW-29 Depth: 554 Date: 12/7/99
 Well Name: MW-29 Sampling Zone No.: 4 Starting Time: 1010 Finishing Time: 1150
 Technicians: T. Turpin-Keasler, D. Strong, J. Donnan
 Water Level Inside MP Casing (Beginning of Session) 116.24 psia (End of Session) 116.28 psia

Run No.	Surface Function Checks					Position Sampler	Surface Collection Checks						Comments	
	Activate	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed		Deactivate Set Arm Locate Port	Water Level in MP (ft)	Activate	Valve Open Time	Valve Closed Time	Deactivate		Water Level in MP (ft) Remove Tape
1	✓	✓	✓	✓	✓	✓	116.24	✓	1021	1023	✓	116.27	1.0	1 st RUN, INITIAL PARAMETERS NTUS = 15.43
2	✓	✓	✓	✓	✓	✓	116.24	✓	1045	1047	✓	116.32	1.0	2 nd RUN NTUS = 14.74
3	✓	✓	✓	✓	✓	✓	116.24	✓	1111	1113	✓	116.26	1.0	3 rd NTUS = 14.87
4	✓	✓	✓	✓	✓	✓	116.26	✓	1137	1140	✓	116.28	1.0	4 th NTUS = 14.63 COLLECT MW-994-078
5														
6														
7														
8														
9														
10														
11														
12														

Comments: PRESSURE OUTSIDE MP CASING = 142.17 psia

Total Volume: 4 L



FOSTER WHEELER ENVIRONMENTAL CORPORATION

Groundwater Sampling Field Data Sheet for Multi-Port Well

Project: JPL Location: MW-24 Depth: 678 Date: 12/7/99Well Name: MW-24 Sampling Zone No.: 5 Starting Time: 0820 Finishing Time: 1000Technicians T. Turpyn-Keaster, D. Strong, J. DonnayWater Level Inside MP Casing (Beginning of Session) 170.14 psia (End of Session) 170.11 psia

Run No.	Surface Function Checks					Position Sampler	Surface Collection Checks						Comments	
	Activate	Vacuum Check Valve Closed	Valve Open	Evacuate Container	Valve Closed		Deactivate Set Arm Locate Port	Water Level in MP (ft)	Activate	Valve Open Time	Valve Closed Time	Deactivate		Water Level in MP (ft) Remove Tape
1	✓	✓	✓	✓	✓	✓	170.14	✓	0830	0834	✓	170.15	1.0	1 st RUN; INITIAL PARAMETERS NTUS = 14.51
2	✓	✓	✓	✓	✓	✓	170.11	✓	0906	0909	✓	170.11	1.0	2 nd RUN NTUS = 10.48
3	✓	✓	✓	✓	✓	✓	170.08	✓	0941	0943	✓	170.10	1.0	3 rd RUN NTUS = 12.04 COLLECT MW-994-079
4														
5														
6														
7														
8														
9														
10														
11														
12														

Comments: Pressure OUTSIDE MP CASING = 185.85 psiaTotal Volume: 3 l^{F2}

APPENDIX C
FIELD INSTRUMENT CALIBRATION FORMS

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: SPL
Standardization by: Dennis Strong Date: 11/18/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 11/18/99

STANDARDIZATION

Time: 0950 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1500 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 11/19/99
Instrument Manufacturer: HFS Model: DRT-10CE
Serial Number: 10349 Calibration Date: 11/19/99

STANDARDIZATION

Time: 0800 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1355 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: PENNIS STRONG Date: 11/22/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 11/22/99

STANDARDIZATION

Time: 0744 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1405 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 11/23/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 11/23/99

STANDARDIZATION

Time: 0745 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1245 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: ~~Dennis Strong~~ JPL 29
Standardization by: Dennis Strong J Date: 11/29/99
Instrument Manufacturer: HFS Model: DRT-5CE
Serial Number: 10349 Calibration Date: 11/30/99

STANDARDIZATION

Time: 08:10 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: Reading:

Time: 1415 Scale: 10 Zero: Yes Stray Light: NA
Standard NTU: 0.02 Reading: 0.02
Standard NTU: Reading:

Time: Scale: Zero: Stray Light:
Standard NTU: Reading:
Standard NTU: Reading:

Time: Scale: Zero: Stray Light:
Standard NTU: Reading:
Standard NTU: Reading:

Time: Scale: Zero: Stray Light:
Standard NTU: Reading:
Standard NTU: Reading:

Time: Scale: Zero: Stray Light:
Standard NTU: Reading:
Standard NTU: Reading:

Time: Scale: Zero: Stray Light:
Standard NTU: Reading:
Standard NTU: Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: ~~Denise Strong~~ JPL
Standardization by: Dennis Strong Date: 11/30/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 11/30/99

STANDARDIZATION

Time: 0755 Scale: 10 Zero: Yes Stray Light: NA.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1410 Scale: 10 Zero: Yes Stray Light: NA.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: Dennis Strong JPL
Standardization by: Dennis Strong Date: 12/1/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 12/1/99

STANDARDIZATION

Time: 0750 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1440 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: Dennis Strong SPL
Standardization by: Dennis Strong Date: 12/2/99
Instrument Manufacturer: HPS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 12/2/99

STANDARDIZATION

Time: 0725 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1400 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: SPL
Standardization by: Dennis Strong Date: 12/6/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 12/6/99

STANDARDIZATION

Time: 08750 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1455 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 12/7/99
Instrument Manufacturer: HPS Model: DRT-151E
Serial Number: 10349 Calibration Date: 12/7/99

STANDARDIZATION

Time: 0755 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1450 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 12/8/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 12/8/99

STANDARDIZATION

Time: 0735 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1425 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 12/9/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 12/9/99

STANDARDIZATION

Time: 0836 Scale: 10 Zero: yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1440 Scale: 10 Zero: yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 12/10/99
Instrument Manufacturer: AFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 12/10/99

STANDARDIZATION

Time: 0900 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1430 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strona Date: 12/13/99
Instrument Manufacturer: AFS Model: PRT-15CE
Serial Number: 16349 Calibration Date: 12/13/99

STANDARDIZATION

Time: 0815 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1500 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 12/14/99
Instrument Manufacturer: HPS Model: DR1-15CE
Serial Number: 16349 Calibration Date: 12/14/99

STANDARDIZATION

Time: 0935 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: 151 Reading: _____

Time: 1515 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: Dennis Strong Date: 12/15/99
Instrument Manufacturer: HFS Model: DRT-15CE
Serial Number: 10349 Calibration Date: 12/15/99

STANDARDIZATION

Time: 0750 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: 1400 Scale: 10 Zero: Yes Stray Light: N.A.
Standard NTU: 0.02 Reading: 0.02
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Time: _____ Scale: _____ Zero: _____ Stray Light: _____
Standard NTU: _____ Reading: _____
Standard NTU: _____ Reading: _____

Comments: _____

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: MLOSI Date: 18 NOV 99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 93408703
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98B812637
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 92K4895
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 3/19/2001 pH 7.00: 4/19/2001 pH 10.01: 3/19/2001

INSTRUMENTATION CHECK-OUT

Time: 0902 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 14.0°C pH: 5.9 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0902 Slope (after calibration): NA Temperature: 10.8°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1500 Slope (after calibration): NA Temperature: 20.0°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 11/19/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: ~~98882637~~ 931108703
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98882637
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 92K4895
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 3/19/2001 pH 7.00: 4/19/2001 pH 10.01: 3/19/2001

INSTRUMENTATION CHECK-OUT

Time: 0750 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: ~~10.6~~ 10.6 pH: ~~5.8~~ 5.8 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0750 Slope (after calibration): ~~—~~ N.A. Temperature: 10.6°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1350 Slope (after calibration): N.A. Temperature: 20.0°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: SPL
Calibration by: Dennis Strong Date: 11/22/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91310
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0750 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 12.9 pH: 5.8 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0750 Slope (after calibration): 7.00 NA Temperature: 9.8°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1405 Slope (after calibration): 7.00 NA Temperature: 21.6°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 11/23/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 928036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: ~~928036734~~ 988812637
ATC Probe Manufacturer: ~~YSI~~ YSI Model: 3510
Serial Number: ~~928036734~~ 94691393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0800 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: 3 Temperature: 35°C pH: 5.7 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0800 Slope (after calibration): NA Temperature: 35°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1245 Slope (after calibration): NA Temperature: 20.6°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: SPL
Calibration by: Dennis Strang Date: 11/29/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: ~~92B036734~~ 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 9491393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0800 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 14.2 pH: 7.93 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0805 Slope (after calibration): NA Temperature: 14.2
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1415 Slope (after calibration): NA Temperature: 18.0
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 11/30/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0745 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 9.9 pH: 7.36 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0745 Slope (after calibration): N.A. Temperature: 9.9
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1445 Slope (after calibration): N.A. Temperature: 28.3
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/1/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Cal:tech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0800 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 8.0 pH: 7.68 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0800 Slope (after calibration): N.A. Temperature: 8.0°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1440 Slope (after calibration): 7.00 Temperature: 10.00
Response to Low Buffer (after calibration): — Response to High Buffer (after calibration): —
Time: — Slope (after calibration): — Temperature: —
Response to Low Buffer (after calibration): — Response to High Buffer (after calibration): —

Comments: —
—
—

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/2/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Cal. tech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0730 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 4.8 pH: 7.32 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0730 Slope (after calibration): NA. Temperature: 4.9°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1400 Slope (after calibration): NA. Temperature: 18.2°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: SPL
Calibration by: Dennis Strong Date: 12/6/99
Instrument Manufacturer: YSI Model: 3580
Serial Number: 928036234
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 989813792
ATC Probe Manufacturer: YS Model: 3510
Serial Number: 94191393
Buffer Solution Manufacturer: CalTech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0805 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 4.1 pH: 7.36 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0805 Slope (after calibration): N.A. Temperature: 4.1
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1450 Slope (after calibration): N.A. Temperature: 12.9
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/7/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 04L91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0745 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 6.0 pH: 7.2 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0745 Slope (after calibration): N.A. Temperature: 6.0
Response to Low Buffer (after calibration): 2.00 Response to High Buffer (after calibration): 10.00
Time: 1455 Slope (after calibration): N.A. Temperature: 24.6
Response to Low Buffer (after calibration): 2.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/8/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 928036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0740 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 5.0°C pH: 6.89 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0740 Slope (after calibration): N.A. Temperature: 15.1°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1420 Slope (after calibration): N.A. Temperature: 20.1°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/9/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 928036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0830 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 2.8 pH: 6.99 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0830 Slope (after calibration): N.A. Temperature: 2.8°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1450 Slope (after calibration): N.A. Temperature: 18.9
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/10/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0835 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: — Temperature: 5.8 pH: 7.03 ISO: —
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0835 Slope (after calibration): NA. Temperature: 5.8°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1430 Slope (after calibration): NA. Temperature: 17.8
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/13/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94/91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0830 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: - Temperature: 5.3 pH: 7.00 ISO: -
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0830 Slope (after calibration): N.A. Temperature: 5.3°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1505 Slope (after calibration): N.A. Temperature: 15.8°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/14/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B03734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98PB13792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0750 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: - Temperature: 4.5°C pH: 7.00 ISO: -
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0750 Slope (after calibration): N.A. Temperature: 4.5°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1500 Slope (after calibration): N.A. Temperature: 18.0°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: Dennis Strong Date: 12/15/99
Instrument Manufacturer: YSI Model: 3500
Serial Number: 92B036734
pH Probe Manufacturer: YSI Model: 3530
Serial Number: 98F813792
ATC Probe Manufacturer: YSI Model: 3510
Serial Number: 94L91393
Buffer Solution Manufacturer: Calitech
Expiration Dates of Buffer Solutions: pH 4.01: 03/01 pH 7.00: 04/01 pH 10.01: 03/01

INSTRUMENTATION CHECK-OUT

Time: 0745 Battery Condition: Good
Instrument Readings with Shorting Plug in: mV: - Temperature: 8.2 pH: 6.95 ISO: -
pH Probe Condition: Good

FIELD CALIBRATION

Time: 0745 Slope (after calibration): N.A. Temperature: 8.2°C
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: 1405 Slope (after calibration): N.A. Temperature: 17.8
Response to Low Buffer (after calibration): 7.00 Response to High Buffer (after calibration): 10.00
Time: _____ Slope (after calibration): _____ Temperature: _____
Response to Low Buffer (after calibration): _____ Response to High Buffer (after calibration): _____

Comments: _____

Calibrate to Accuracy of ± 0.05 pH Units
Slope Must Be Between 80 - 110%

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: SPL
 Calibration by: Dennis Strong Date: 11/18/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 93A08203
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 98C0631
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 $\mu\text{S}/\text{m}$ Solution Expiration Date: Feb 2001

FIELD CALIBRATION

Time: 0902 Temperature of Solution: 17.2
 Temperature Compensated Solution Conductivity ($\mu\text{S}/\text{cm}$) * 851
 Instrument Response to Calibration Solution: 874
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1500 Temperature of Solution: 20.6
 Temperature Compensated Solution Conductivity ($\mu\text{S}/\text{cm}$) * 935
 Instrument Response to Calibration Solution: 959
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 $\text{Conductivity } (\mu\text{S}/\text{cm}) = (\text{Conductivity at } 25^\circ\text{C}) (A + BT + CT^2)$
 Where T = Temperature in $^\circ\text{C}$

And

Conductivity @ 25°C ($\mu\text{S}/\text{cm}$)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- $\pm 6\%$ of calibration solution if reading is ≤ 150 mmhos/cm on 500 scale;
 ≤ 1500 mmhos/cm on 5000 Scale; or $\leq 15,000$ mmhos/cm on 50,000 scale.
- $\pm 4.5\%$ to 6% of calibration solution if reading is > 150 and < 300
 mmhos/cm on 500 scale; > 1500 and < 3000 mmhos/cm on 5000 scale;
 and $> 15,000$ and $< 30,000$ mmhos/cm on 50,000 Scale.
- $\pm 4.5\%$ of calibration solution if reading is ≥ 300 mmhos/cm on 500 scale;
 ≥ 3000 mmhos/cm on 5000 scale; and $\geq 30,000$ mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 11/19/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 93H08703
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 98C0631
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 02/01

FIELD CALIBRATION

Time: 0805 Temperature of Solution: 17.3
 Temperature Compensated Solution Conductivity (μ S/cm) * 857
 Instrument Response to Calibration Solution: 875
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1345 Temperature of Solution: 20.2
 Temperature Compensated Solution Conductivity (μ S/cm) * 900
 Instrument Response to Calibration Solution: 950
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And	Conductivity @ 25°C (μ S/cm)	A	B	C
	1,000	0.5407	0.0173	0.000043
	10,000	0.5538	0.0168	0.000042
	100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:
 ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
 ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
 ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 11/22/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0750 Temperature of Solution: 18.6°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 877
 Instrument Response to Calibration Solution: 916
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1405 Temperature of Solution: 21.6°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 934
 Instrument Response to Calibration Solution: 973
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 $\text{Conductivity } (\mu \text{ S/cm}) = (\text{Conductivity at } 25^\circ\text{C}) (A + BT + CT^2)$
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 11/23/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 928036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94879013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0755 Temperature of Solution: 3.8°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 607
 Instrument Response to Calibration Solution: 623
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1245 Temperature of Solution: 21.1°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 925
 Instrument Response to Calibration Solution: 944
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 μ mhos/cm on 500 scale;
 \leq 1500 μ mhos/cm on 5000 Scale; or \leq 15,000 μ mhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 μ mhos/cm on 500 scale; $>$ 1500 and $<$ 3000 μ mhos/cm on 5000 scale;
and $>$ 15,000 and $<$ 30,000 μ mhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 μ mhos/cm on 500 scale;
 \geq 3000 μ mhos/cm on 5000 scale; and \geq 30,000 μ mhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 11/29/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B19013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0845 Temperature of Solution: 18.0°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 866
 Instrument Response to Calibration Solution: 902
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1415 Temperature of Solution: 32.2
 Temperature Compensated Solution Conductivity (μ S/cm) * 1142
 Instrument Response to Calibration Solution: 1162
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:

$$\text{Conductivity } (\mu \text{ S/cm}) = (\text{Conductivity at } 25^\circ\text{C}) (A + BT + CT^2)$$
 Where T = Temperature in $^\circ\text{C}$

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is ≤ 150 mmhos/cm on 500 scale;
 ≤ 1500 mmhos/cm on 5000 Scale; or $\leq 15,000$ mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is > 150 and < 300
 mmhos/cm on 500 scale; > 1500 and < 3000 mmhos/cm on 5000 scale;
 and $> 15,000$ and $< 30,000$ mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is ≥ 300 mmhos/cm on 500 scale;
 ≥ 3000 mmhos/cm on 5000 scale; and $\geq 30,000$ mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 11/30/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0800 Temperature of Solution: 10.0°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 718
 Instrument Response to Calibration Solution: 708
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1415 Temperature of Solution: 20.3
 Temperature Compensated Solution Conductivity (μ S/cm) * ~~997~~ 1014
 Instrument Response to Calibration Solution: 1063
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 12/11/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0755 Temperature of Solution: 7.9°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 680
 Instrument Response to Calibration Solution: 760
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1440 Temperature of Solution: 20.9°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 921
 Instrument Response to Calibration Solution: 942
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:

$$\text{Conductivity } (\mu \text{ S/cm}) = (\text{Conductivity at } 25^\circ\text{C}) (A + BT + CT^2)$$
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: SPL
 Calibration by: Dennis Strong Date: 12/2/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0735 Temperature of Solution: 5.0°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 628
 Instrument Response to Calibration Solution: 650
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1400 Temperature of Solution: 20.3°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 891
 Instrument Response to Calibration Solution: 916
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 $\text{Conductivity } (\mu \text{ S/cm}) = (\text{Conductivity at } 25^\circ\text{C}) (A + BT + CT^2)$
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:
 ± 6% of calibration solution if reading is ≤ 150 mmhos/cm on 500 scale;
 ≤ 1500 mmhos/cm on 5000 Scale; or $\leq 15,000$ mmhos/cm on 50,000 scale.
 ± 4.5% to 6% of calibration solution if reading is > 150 and < 300
 mmhos/cm on 500 scale; > 1500 and < 3000 mmhos/cm on 5000 scale;
 and $> 15,000$ and $< 30,000$ mmhos/cm on 50,000 Scale.
 ± 4.5% of calibration solution if reading is ≥ 300 mmhos/cm on 500 scale;
 ≥ 3000 mmhos/cm on 5000 scale; and $\geq 30,000$ mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: 5PL
 Calibration by: Dennis Strong Date: 12/6/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B086734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/81

FIELD CALIBRATION

Time: 0748 Temperature of Solution: 3.3°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 598
 Instrument Response to Calibration Solution: 620
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1755 Temperature of Solution: 25.2
 Temperature Compensated Solution Conductivity (μ S/cm) * ~~25.2~~ 1004
 Instrument Response to Calibration Solution: 1021
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 $\text{Conductivity } (\mu \text{ S/cm}) = (\text{Conductivity at } 25^\circ\text{C}) (A + BT + CT^2)$
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 12/11/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 923036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94879013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0750 Temperature of Solution: 6.0
 Temperature Compensated Solution Conductivity (μ S/cm) * 646
 Instrument Response to Calibration Solution: 665
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1500 Temperature of Solution: 24.4
 Temperature Compensated Solution Conductivity (μ S/cm) * 998
 Instrument Response to Calibration Solution: 1003
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:
 ± 6% of calibration solution if reading is ≤ 150 mmhos/cm on 500 scale;
 ≤ 1500 mmhos/cm on 5000 Scale; or ≤ 15,000 mmhos/cm on 50,000 scale.
 ± 4.5% to 6% of calibration solution if reading is > 150 and < 300
 mmhos/cm on 500 scale; > 1500 and < 3000 mmhos/cm on 5000 scale;
 and > 15,000 and < 30,000 mmhos/cm on 50,000 Scale.
 ± 4.5% of calibration solution if reading is ≥ 300 mmhos/cm on 500 scale;
 ≥ 3000 mmhos/cm on 5000 scale; and ≥ 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 12/8/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1600 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0950 Temperature of Solution: 7.8°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 678
 Instrument Response to Calibration Solution: 700
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1415 Temperature of Solution: 23.2°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 965
 Instrument Response to Calibration Solution: 1008
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 12/9/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 928036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94879013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0840 Temperature of Solution: 6.7°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 659
 Instrument Response to Calibration Solution: 681
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1445 Temperature of Solution: 18.8°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 881
 Instrument Response to Calibration Solution: 909
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:
 ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
 ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
 ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 12/10/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0845 Temperature of Solution: 6.0
 Temperature Compensated Solution Conductivity (μ S/cm) * 6446
 Instrument Response to Calibration Solution: 661
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1430 Temperature of Solution: 18.0
 Temperature Compensated Solution Conductivity (μ S/cm) * 866
 Instrument Response to Calibration Solution: 899
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 12/13/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 92B8364734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0820 Temperature of Solution: 4.2
 Temperature Compensated Solution Conductivity (μ S/cm) * 614
 Instrument Response to Calibration Solution: 627
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1421 Temperature of Solution: 18.6
 Temperature Compensated Solution Conductivity (μ S/cm) * 877
 Instrument Response to Calibration Solution: 905
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And	Conductivity @ 25°C (μ S/cm)	A	B	C
	1,000	0.5407	0.0173	0.000043
	10,000	0.5538	0.0168	0.000042
	100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 μ mhos/cm on 500 scale;
 \leq 1500 μ mhos/cm on 5000 Scale; or \leq 15,000 μ mhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 μ mhos/cm on 500 scale; $>$ 1500 and $<$ 3000 μ mhos/cm on 5000 scale;
and $>$ 15,000 and $<$ 30,000 μ mhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 μ mhos/cm on 500 scale;
 \geq 3000 μ mhos/cm on 5000 scale; and \geq 30,000 μ mhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: Dennis Strong JPL
 Calibration by: Dennis Strong Date: 12/14/99
 Instrument Manufacturer: YSI Model: 3300
 Serial Number: 92B036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94B79013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0740 Temperature of Solution: 2.5°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 587
 Instrument Response to Calibration Solution: 600
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1510 Temperature of Solution: 20.0°C
 Temperature Compensated Solution Conductivity (μ S/cm) * 904
 Instrument Response to Calibration Solution: 910
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 $Conductivity (\mu S/cm) = (Conductivity at 25^\circ C) (A + BT + CT^2)$
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is ≤ 150 μ mhos/cm on 500 scale;
 ≤ 1500 μ mhos/cm on 5000 Scale; or $\leq 15,000$ μ mhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is > 150 and < 300
 μ mhos/cm on 500 scale; > 1500 and < 3000 μ mhos/cm on 5000 scale;
 and $> 15,000$ and $< 30,000$ μ mhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is ≥ 300 μ mhos/cm on 500 scale;
 ≥ 3000 μ mhos/cm on 5000 scale; and $\geq 30,000$ μ mhos/cm on 50,000 scale.

CONDUCTIVITY/SALINITY/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
 Calibration by: Dennis Strong Date: 12/15/99
 Instrument Manufacturer: YSI Model: 3500
 Serial Number: 928036734
 Probe Manufacturer: YSI Model: 3520
 Serial Number: 94879013
 Calibration Solution Manufacturer: YSI
 Solution Conductivity: 1000 Solution Expiration Date: 04/01

FIELD CALIBRATION

Time: 0740 Temperature of Solution: 4.4
 Temperature Compensated Solution Conductivity (μ S/cm) * 617
 Instrument Response to Calibration Solution: 637
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:
 Time: 1400 Temperature of Solution: 12.5
 Temperature Compensated Solution Conductivity (μ S/cm) * 763
 Instrument Response to Calibration Solution: 782
 Instrument Response within Instrument and Probe Limits of Error: ** Yes: No:

The Temperature Compensated Solution Conductivity May Be Computed Using Following Equation:
 Conductivity (μ S/cm) = (Conductivity at 25°C) (A + BT + CT²)
 Where T = Temperature in °C

And

Conductivity @ 25°C (μ S/cm)	A	B	C
1,000	0.5407	0.0173	0.000043
10,000	0.5538	0.0168	0.000042
100,000	0.5825	0.0157	0.000040

Instrument is Calibrated if Response is:

- ± 6% of calibration solution if reading is \leq 150 mmhos/cm on 500 scale;
 \leq 1500 mmhos/cm on 5000 Scale; or \leq 15,000 mmhos/cm on 50,000 scale.
- ± 4.5% to 6% of calibration solution if reading is $>$ 150 and $<$ 300
 mmhos/cm on 500 scale; $>$ 1500 and $<$ 3000 mmhos/cm on 5000 scale;
 and $>$ 15,000 and $<$ 30,000 mmhos/cm on 50,000 Scale.
- ± 4.5% of calibration solution if reading is \geq 300 mmhos/cm on 500 scale;
 \geq 3000 mmhos/cm on 5000 scale; and \geq 30,000 mmhos/cm on 50,000 scale.

APPENDIX D
LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY FORMS

ANALYTICAL RESULTS INDEX

GROUNDWATER SAMPLES

Well Number	Report Number	Sample Number	Tab Number	Date Sampled
MW-1	61013	MW-994-001	15	12/14/99
MW-3-1	60201	MW-994-002	3	11/22/99
MW-3-2	60201	MW-994-003	3	11/22/99
MW-3-3	60201	MW-994-004	3	11/22/99
MW-3-4	60201	MW-994-005	3	11/22/99
MW-3-5	60201	MW-994-006	3	11/22/99
MW-4-1	60641	MW-994-007	9	12/6/99
MW-4-2	60641	MW-994-008	9	12/6/99
MW-4-2 Dup	60641	MW-994-009	9	12/6/99
MW-4-3	60641	MW-994-010	9	12/6/99
MW-4-4	60641	MW-994-011	9	12/6/99
MW-4-5	60641	MW-994-012	9	12/6/99
MW-5	60936	MW-994-013	14	12/13/99
MW-6	60936	MW-994-014	14	12/13/99
MW-7	60907	MW-994-015	13	12/10/99
MW-8	60907	MW-994-016	13	12/10/99
MW-9	61013	MW-994-017	15	12/14/99
MW-10	60936	MW-994-018	14	12/13/99
MW-10 Dup	60936	MW-994-019	14	12/13/99
MW-11-1	60490	MW-994-020	7	12/1/99
MW-11-2	60490	MW-994-021	7	12/1/99
MW-11-3	60490	MW-994-022	7	12/1/99
MW-11-4	60490	MW-994-023	7	12/1/99
MW-11-5	60490	MW-994-024	7	12/1/99
MW-12-1	60542	MW-994-025	8	12/2/99
MW-12-2	60542	MW-994-026	8	12/2/99
MW-12-2 Dup	60542	MW-994-027	8	12/2/99
MW-12-3	60542	MW-994-028	8	12/2/99
MW-12-4	60542	MW-994-029	8	12/2/99
MW-12-5	60542	MW-994-030	8	12/2/99
MW-13	61013	MW-994-031	15	12/14/99
MW-13 Dup	61013	MW-994-032	15	12/14/99
MW-14-2	60842	MW-994-034	12	12/9/99
MW-14-3	60842	MW-994-035	12	12/9/99
MW-14-4	60842	MW-994-036	12	12/9/99
MW-14-5	60842	MW-994-037	12	12/9/99
MW-15	60939	MW-994-038	14	12/13/99
MW-16	60907	MW-994-039	13	12/10/99
MW-17-1	60362	MW-994-040	5	11/29/99
MW-17-2	60362	MW-994-041	5	11/29/99
MW-17-3	60362	MW-994-042	5	11/29/99
MW-17-4	60362	MW-994-043	5	11/29/99
MW-17-5	60362	MW-994-044	5	11/29/99
MW-18-2	60127	MW-994-046	1	11/18/99

ANALYTICAL RESULTS INDEX

GROUNDWATER SAMPLES

Well Number	Report Number	Sample Number	Tab Number	Date Sampled
MW-18-3	60127	MW-994-047	1	11/18/99
MW-18-4	60127	MW-994-048	1	11/18/99
MW-18-5	60127	MW-994-049	1	11/18/99
MW-19-1	60171	MW-994-050	2	11/19/99
MW-19-2	60171	MW-994-051	2	11/19/99
MW-19-3	60171	MW-994-052	2	11/19/99
MW-19-4	60171	MW-994-053	2	11/19/99
MW-19-5	60171	MW-994-054	2	11/19/99
MW-20-1	60413	MW-994-055	6	11/30/99
MW-20-2	60413	MW-994-056	6	11/30/99
MW-20-3	60413	MW-994-057	6	11/30/99
MW-20-4	60413	MW-994-058	6	11/30/99
MW-20-5	60413	MW-994-059	6	11/30/99
MW-21-1	60324	MW-994-060	4	11/23/99
MW-21-2	60324	MW-994-061	4	11/23/99
MW-21-3	60324	MW-994-062	4	11/23/99
MW-21-4	60324	MW-994-063	4	11/23/99
MW-21-5	60324	MW-994-064	4	11/23/99
MW-22-1	61043	MW-994-065	16	12/15/99
MW-22-2	61043	MW-994-066	16	12/15/99
MW-22-3	61043	MW-994-067	16	12/15/99
MW-22-4	61043	MW-994-068	16	12/15/99
MW-22-5	61043	MW-994-069	16	12/15/99
MW-23-1	60761	MW-994-070	11	12/8/99
MW-23-2	60761	MW-994-071	11	12/8/99
MW-23-3	60761	MW-994-072	11	12/8/99
MW-23-4	60761	MW-994-073	11	12/8/99
MW-23-5	60761	MW-994-074	11	12/8/99
MW-24-1	60687	MW-994-075	10	12/7/99
MW-24-2	60687	MW-994-076	10	12/7/99
MW-24-3	60687	MW-994-077	10	12/7/99
MW-24-4	60687	MW-994-078	10	12/7/99
MW-24-5	60687	MW-994-079	10	12/7/99

ANALYTICAL RESULTS INDEX

QA/QC SAMPLE BLANKS

Sample Type	Report Number	Sample Number	Tab Number	Date Sampled
TB	60127	MW-994-80	1	11/18/99
EB	60127	MW-994-81	1	11/18/99
TB	60171	MW-994-82	2	11/19/99
EB	60171	MW-994-83	2	11/19/99
TB	60201	MW-994-84	3	11/22/99
EB	60201	MW-994-85	3	11/22/99
TB	60324	MW-994-86	4	11/23/99
EB	60324	MW-994-87	4	11/23/99
TB	60362	MW-994-88	5	11/29/99
EB	60362	MW-994-89	5	11/29/99
TB	60413	MW-994-90	6	11/30/99
EB	60413	MW-994-91	6	11/30/99
TB	60490	MW-994-92	7	12/1/99
EB	60490	MW-994-93	7	12/1/99
TB	60542	MW-994-94	8	12/2/99
EB	60542	MW-994-95	8	12/2/99
TB	60641	MW-994-96	9	12/6/99
EB	60641	MW-994-97	9	12/6/99
TB	60687	MW-994-98	10	12/7/99
EB	60687	MW-994-99	10	12/7/99
TB	60761	MW-994-101	11	12/8/99
EB	60761	MW-994-102	11	12/8/99
TB	60842	MW-994-103	12	12/9/99
EB	60842	MW-994-104	12	12/9/99
TB	60907	MW-994-105	13	12/10/99
FB	60907	MW-994-106	13	12/10/99
TB	60936	MW-994-107	14	12/13/99
TB	61013	MW-994-108	15	12/14/99
TB	61043	MW-994-109	16	12/15/99
EB	61043	MW-994-110	16	12/15/99



MONTGOMERY WATSON LABORATORIES

Quality Environmental Analysis

A division of Montgomery Watson Americas, Inc.

December 14, 1999
Revised: February 1, 2000

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

Attention: Mark Cutler

Re: Report # 60127 (MW-994-080, MW-994-081, MW-994-049,
MW-994-048, MW-994-047, MW-994-046)

Sampled 11/18/99

Dear Mark,

Enclosed please find revised data deliverables for the recent JPL project. Revisions are detailed under TICs. 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

Comments:

Carbon Tetrachloride was detected in MW-994-048
Chloroform was detected in MW-994-081, -048, -047
Dichloromethane was detected in MW-994-081
Tetrachloroethylene was detected in MW-994-048
Trichloroethylene was detected in MW-994-048, -047
Perchlorate was detected in MW-994-048

TIC's:

An unknown at retention time 4.82 was detected in MW-994-049

Method Variation:

TIC's are reported only if the final result is >0.5 ug/L.

Additional Comments:

None

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

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

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

Northern California Service Center
1340 Treat Boulevard - Suite 300
Walnut Creek, California 94596
Tel: 925 274 2322
Fax: 925 945 1760

Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
Tel: 949 222 1845
Fax: 949 222 1849



60127

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT JPL	OFS NO. 1572 0279	HAZARD IDENTIFICATION Non Hazard <input checked="" type="checkbox"/> Reactive <input type="checkbox"/> Flammable <input type="checkbox"/> Toxic <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Infectious <input type="checkbox"/>	TIME REQUIRED NORMAL <input checked="" type="checkbox"/> DAYS RUSH <input type="checkbox"/> DAYS
PROJECT ADDRESS 1100 Oak Grove Dr FA 40 CA			

SAMPLER (Name) T. Turner Kende	SAMPLER (Signature) <i>T. Turner Kende</i>	ANALYSES REQUIRED	
LABORATORY M. GARDNER WATSON			
REPORTS TO BE SENT TO Mr. Mark Cullen			

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOCs	COT	Pb	Cd	Mn	Hg	As	Ni	Cr	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P	F	B	Al	Si	Ti	V	Co	Ni	Mn	Pb	Cu	Zn	Fe	Mg	Ca	K	Na	Cl	S	P</
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MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: ENJERCH

DATE RECEIVED: 11-18-99

Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 11-18-99
By (print) MARTIN L. DE MESA (sign) [Signature]

- 1. Did cooler come with shipping slip (air bill, etc.)?
If yes, attach and enter carrier and air bill number here: DELIVERED BY CLIENT Yes No
- 2. Were custody seals on outside of cooler?
If yes, how many and where: 1 OUTSIDE LID Yes No
If yes, enter the following: seal date: 11-18-99 seal name: TT
- 3. Were custody seals unbroken and intact at delivery? Yes No
- 4. Were custody papers sealed in bag and taped to lid? Yes No
- 5. Were custody papers filled out properly (ink, etc.)? Yes No
- 6. Did you sign custody papers in appropriate place? Yes No
- 7. Was project identifiable from custody papers? Yes No
- 8. Have designated person(s) initial and acknowledge receipt: MLD date: 11-18-99

B. LOGIN PHASE

Date samples were logged in: 11-18-99
By (print) M. DE MESA (sign) [Signature]

9. Describe packing: _____

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

REG ICE TEMP
4°C



MONTGOMERY WATSON LABORATORIES

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400 Fax: 626 568 6324
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

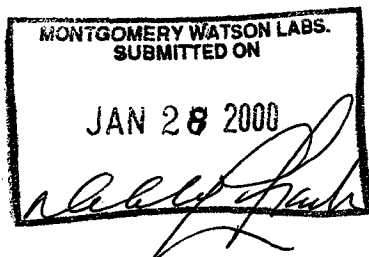
Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

REVISED
TICS



DEB* Debbie Frank

Report#: 60127
JPL



MONTGOMERY WATSON LABORATORIES
 a Division of Montgomery Watson Americas, Inc.
 555 East Walnut Street
 Pasadena, California 91101
 Tel: 626 568 6400 Fax: 626 568 6324
 1 800 566 LABS (1 800 566 5227)

**Laboratory
 Report
 #60127**

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

Samples Received
 18-nov-1999 17:09:22

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-080 (1911180124)				Sampled on 11/18/99				
Regulated VOCs plus Lists 1&3								
11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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Laboratory
 Report
 #60127

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/22/99	106082		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/22/99	106082		(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	90	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		



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Laboratory
 Report
 #60127

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-081 (1911180125)				Sampled on 11/18/99				
	12/07/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/18/99	105943	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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 #60127

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/22/99	106082		(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.3	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dichloromethane	0.8	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	NONE DETECTED	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	92	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		



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**Laboratory
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 #60127**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-049 (1911180126)				Sampled on 11/18/99				
	12/07/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/18/99	105943	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60127**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/22/99	106082		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	UNKNOWN (RT=4.82)	0.6	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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**Laboratory
 Report
 #60127**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-048 (1911180127) Sampled on 11/18/99								
	12/07/99	106598	(MOD/EPA 300)	Perchlorate	23	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/18/99	105943	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	3.8	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60127**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/22/99	106082	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.8	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.0	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.2	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)) None detected	ND			1
			(Surrogate)) 1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)) 4-Bromofluorobenzene	89	% Rec		
			(Surrogate)) Toluene-d8	100	% Rec		



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**Laboratory
 Report
 #60127**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-047 (1911180128)				Sampled on 11/18/99				
	12/07/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/18/99	105943	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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 #60127

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/22/99	106082		(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.4	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichloroethylene (TCE)	0.8	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/22/99	106082		(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	99	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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Laboratory
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 #60127

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-046 (1911180129)				Sampled on 11/18/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/18/99	105943	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60127**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/22/99	106082		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/B524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Laboratory
 QC Report
 #60127

Foster Wheeler Environmental, Inc

QC Batch #105943**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11180128		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.048	96.0	(78.00 - 118.00)	2.1
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.052	104.0	(80.00 - 120.00)	1.9

QC Batch #106082**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.83	95.8	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.49	112.2	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.11	102.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.47	86.8	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.54	88.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	3.53	88.2	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	5.03	125.8	(70.00 - 130.00)	35
LCS1	1,1-Dichloropropene	4	4.44	111.0	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	4.57	114.2	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.20	105.0	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.57	114.2	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.79	94.8	(75.00 - 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	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.40	110.0	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.65	116.3	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.73	96.6	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.45	111.2	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	41.1	102.8	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.48	112.0	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.35	108.7	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	39.8	99.5	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911180129		(0.00 - 0.00)	
LCS1	Benzene	4	4.37	109.2	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.25	106.2	(70.00 - 130.00)	
MSD	Benzene	4	4.37	109.2	(70.00 - 130.00)	2.8
LCS1	Bromobenzene	4	4.52	113.0	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	1.44	72.0	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.02	100.5	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.08	102.0	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.08	102.0	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	3.8
LCS1	Carbon Tetrachloride	4	3.66	91.5	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Carbon Tetrachloride	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	Bromoform	4	2.98	74.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
LCS1	Chloroform (Trichloromethane)	4	3.62	90.5	(74.00 - 124.00)
MBLK	Chloroform (Trichloromethane)	ND			
LCS1	Bromochloromethane	4	3.74	93.5	(70.00 - 130.00)
MBLK	Bromochloromethane	ND			
LCS1	Chloroethane	2	1.42	71.0	(70.00 - 130.00)
MBLK	Chloroethane	ND			
LCS1	Chloromethane (Methyl Chloride)	2	1.70	85.0	(70.00 - 130.00)
MBLK	Chloromethane (Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	4	3.43	85.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
LCS1	Dibromomethane	4	3.73	93.2	(70.00 - 130.00)
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	4	3.66	91.5	(70.00 - 116.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	4	4.23	105.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Dichlorodifluoromethane	2	1.80	90.0	(70.00 - 130.00)
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.71	85.5	(71.00 - 118.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
LCS1	Hexachlorobutadiene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Hexachlorobutadiene	ND			
LCS1	Isopropylbenzene	4	4.53	113.2	(70.00 - 130.00)
MBLK	Isopropylbenzene	ND			
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.33	108.2	(70.00 - 130.00)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	8	8.34	104.2	(74.00 - 116.00)
MBLK	m,p-Xylenes	ND			
LCS1	Naphthalene	4	3.61	90.2	(70.00 - 130.00)
MBLK	Naphthalene	ND			
LCS1	n-Butylbenzene	4	4.57	114.2	(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	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	4.63	115.8	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.10	102.5	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.31	107.7	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.08	102.0	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	4.59	114.8	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	4.47	111.8	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.35	108.7	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	85	85.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	90	90.0		
MS	1,2-dichloroethane-d4	100	105	105.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	6.5
LCS1	Toluene-d8	100	97	97.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	99	99.0		
MS	Toluene-d8	100	102	102.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	102	102.0	(91.00 - 107.00)	0.00
LCS1	4-Bromofluorobenzene	100	97	97.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	97	97.0		
MS	4-Bromofluorobenzene	100	96	96.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	93	93.0	(82.00 - 119.00)	3.2
LCS1	trans-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.49	112.2	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.17	104.2	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.21	105.2	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.31	107.7	(70.00 - 130.00)	2.3
LCS1	Trichlorotrifluoroethane (Freon)	2	1.83	91.5	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				

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

MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.19	104.8	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.23	105.8	(70.00 - 130.00)	
MSD	Toluene	4	4.15	103.8	(70.00 - 130.00)	1.9
LCS1	Vinyl chloride (VC)	2	1.47	73.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #106528

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11180129		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	99	99.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97	97.0	(85.00 - 115.00)	2.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	92	92.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	98	98.0	(77.00 - 119.00)	6.3

QC Batch #106598

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	11180125		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.3	96.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.5	102.5	(90.00 - 110.00)	6.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.2	96.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	18.5	92.5	(75.00 - 125.00)	3.7

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MONTGOMERY WATSON LABORATORIES

Quality Environmental Analysis

A division of Montgomery Watson Americas, Inc.

December 14, 1999

Revised: February 1, 2000

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

Attention: Mark Cutler

Report # 60171 (MW-994-082, MW-994-054, MW-994-053,
MW-994-083, MW-994-052, MW-994-04051, MW-994-050)

Sampled 11/19/99

Dear Mark,

Enclosed please find revised data deliverables for the recent JPL project. Revisions are detailed under additional comments. 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

Comments:

Chloroform was detected in MW-994-053, -083
Dichloromethane was detected in MW-994-083
Tetrachloroethylene was detected in MW-994-054, -052
Trichloroethylene was detected in MW-994-053, -052, -051
Perchlorate was detected in MW-994-052

TIC'S:

None

Method Variation:

TIC's are only reported if the final result is >0.5 ug/L.

Additional Comments:

The ID on the COC for the sample taken at 13:40 indicates MW-994-051. The sample containers indicate the ID as MW-994-050. The sample is logged as MW-994-050, as MW-994-051 is documented on the COC at 12:30 sampling time, which matches the containers for this sample.

A typographical error on the sample ID's in the body of the report has been corrected from MW-997 to MW-994.

Sincerely,

Debbie Frank
Project Manager

CC: Judy Novelly (JPL)

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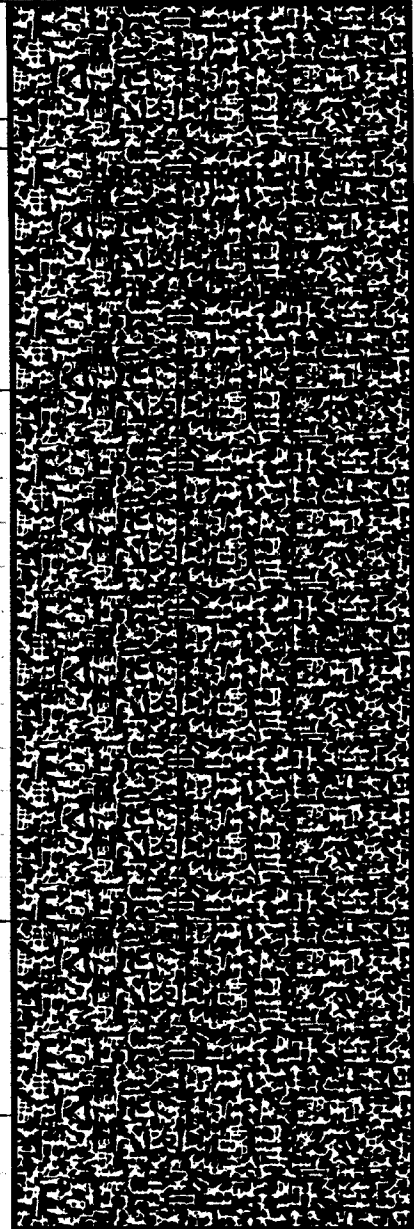
60171

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT JPL		OFS NO. 1572-0294		HAZARD IDENTIFICATION Non Hazard <input checked="" type="checkbox"/> Reactive <input type="checkbox"/> Flammable <input type="checkbox"/> Toxic <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Infectious <input type="checkbox"/>			TIME REQUIRED NORMAL <input checked="" type="checkbox"/> _____ DAYS RUSH <input type="checkbox"/> _____ DAYS																																																																																																																																																																					
PROJECT ADDRESS 4800 OAK GROVE DR. PASADENA CA				ANALYSES REQUIRED																																																																																																																																																																								
SAMPLER (Name) T Turpin Keasler		SAMPLER (Signature)		<table border="1"> <tr> <td>VOLs (542)</td> <td>CE</td> <td>TD</td> <td>TOA</td> <td>Cr 6+</td> <td>Cr 104-</td> <td>QA</td> <td>En</td> <td>Cr 6+</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						VOLs (542)	CE	TD	TOA	Cr 6+	Cr 104-	QA	En	Cr 6+																																																																																																																																																										
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REPORTS TO BE SENT TO Mr. Mark Lutzel				<table border="1"> <thead> <tr> <th rowspan="2">SAMPLE NUMBER</th> <th rowspan="2">TIME COLLECTED</th> <th rowspan="2">DATE COLLECTED</th> <th rowspan="2">NUMBER OF CONTAINERS</th> <th rowspan="2">CONTAINER SIZE(S)</th> <th colspan="3">SAMPLE MATERIAL</th> <th rowspan="2">VOLs (542)</th> <th rowspan="2">CE</th> <th rowspan="2">TD</th> <th rowspan="2">TOA</th> <th rowspan="2">Cr 6+</th> <th rowspan="2">Cr 104-</th> <th rowspan="2">QA</th> <th rowspan="2">En</th> <th rowspan="2">Cr 6+</th> </tr> <tr> <th>WATER</th> <th>SOIL</th> <th>OTHER (Describe)</th> </tr> </thead> <tbody> <tr> <td>MW-994-082</td> <td>0910</td> <td>11/11/9</td> <td>2</td> <td>40ml</td> <td>X</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-994-054</td> <td>0930</td> <td rowspan="6">}</td> <td>5</td> <td>2x40ml 3x125ml</td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-994-055</td> <td>1030</td> <td>5</td> <td>2x40ml 3x125ml</td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-994-083</td> <td>1100</td> <td>5</td> <td>2x40ml 3x125ml</td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-994-051</td> <td>1120</td> <td>5</td> <td>2x40ml 3x125ml</td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-994-051</td> <td>1230</td> <td>5</td> <td>2x40ml 3x125ml</td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-994-051</td> <td>1340</td> <td>5</td> <td>2x40ml 3x125ml</td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="17" style="text-align: center;">* ID ON BOTTLE "050" TIME MATCHES</td> </tr> </tbody> </table>						SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOLs (542)	CE	TD	TOA	Cr 6+	Cr 104-	QA	En	Cr 6+	WATER	SOIL	OTHER (Describe)	MW-994-082	0910	11/11/9	2	40ml	X			X										MW-994-054	0930	}	5	2x40ml 3x125ml	X			X	X	X	X	X						MW-994-055	1030	5	2x40ml 3x125ml	X			X	X	X	X	X							MW-994-083	1100	5	2x40ml 3x125ml	X			X	X	X	X	X							MW-994-051	1120	5	2x40ml 3x125ml	X			X	X	X	X	X							MW-994-051	1230	5	2x40ml 3x125ml	X			X	X	X	X	X							MW-994-051	1340	5	2x40ml 3x125ml	X			X	X	X	X	X							* ID ON BOTTLE "050" TIME MATCHES																
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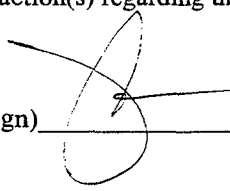
9

MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: ENSERCH DATE RECEIVED: 11-19-99

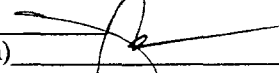
Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 11-19-99
By (print) M. DE WESA (sign) 

- 1. Did cooler come with shipping slip (air bill, etc.)? Yes No
If yes, attach and enter carrier and air bill number here: DEL BY CLIENT
- 2. Were custody seals on outside of cooler? Yes No
If yes, how many and where: 1 OUTSIDE LID
If yes, enter the following: seal date: 11-19-99 seal name: TT
- 3. Were custody seals unbroken and intact at delivery? Yes No
- 4. Were custody papers sealed in bag and taped to lid? Yes No
- 5. Were custody papers filled out properly (ink, etc.)? Yes No
- 6. Did you sign custody papers in appropriate place? Yes No
- 7. Was project identifiable from custody papers? Yes No
- 8. Have designated person(s) initial and acknowledge receipt: MLD date: 11-19-99

B. LOGIN PHASE

Date samples were logged in: 11-19-99
By (print) M. DE WESA (sign) 

- 9. Describe packing: _____
- 10. If required, was enough ice used? Yes No REG ILE TEMP 6°
- 11. Were all bottles sealed in separate plastic bags? Yes No
- 12. Did all bottles arrive unbroken and in good condition? Yes No
- 13. Were all bottle labels complete (ID, date, sign, preservative)?
- 14. Did all bottle labels agree with custody papers? If no, list on back. Yes No - SEE COC
- 15. Were correct containers used for the analytes? Yes No
- 16. Were correct preservatives used when required? Yes No
- 17. Was sufficient amount of sample sent for tests? Yes No
- 18. Bubbles absent in VOA vials? If no, list by sample ID on back. Yes No
- 19. Was Client Services informed of problems? Yes No



MONTGOMERY WATSON LABORATORIES

a Division of Montgomery Watson Americas, Inc.
555 East Walnut Street
Pasadena, California 91101
Tel: 626 568 6400 Fax: 626 568 6324
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

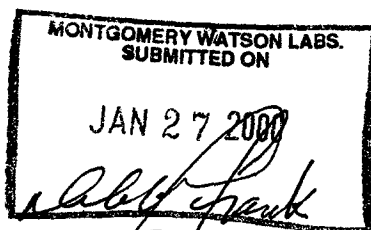
Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

REVISED
TIC's



DEB* Debbie Frank

Report#: 60171
JPL



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Laboratory
 Report
 #60171

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

Samples Received
 19-nov-1999 18:04:56

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-082 (1911190213)				Sampled on 11/19/99				
Regulated VOCs plus Lists 1&3								
11/22/99	106082		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/22/99	106082		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
11/22/99	106082		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromobenzene	ND	ug/l.	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/22/99	106082		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	106082		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/22/99	106082		(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	102	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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Laboratory
 Report
 #60171

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-054 (1911190214)				Sampled on 11/19/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/99	106016	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/22/99	106082	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.5	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/22/99	106082	(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	97	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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**Laboratory
 Report
 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-053 (1911190215)				Sampled on 11/19/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/99	106016	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
 Report
 #60171

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-083 (1911190216)				Sampled on 11/19/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/99	106016	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.9	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Dichloromethane	0.6	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/22/99	11/22/99	106082	(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	102	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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**Laboratory
 Report
 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-052 (1911190217)				Sampled on 11/19/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	5.0	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/99	106016	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

**MONTGOMERY WATSON LABORATORIES**

a Division of Montgomery Watson Americas, Inc.

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Laboratory**Report****#60171**Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/22/99	106082	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.9	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.6	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/22/99	106082	(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	100	‡ Rec		
			(Surrogate)	Toluene-d8	100	‡ Rec		



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**Laboratory
 Report
 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-051 (1911190218) Sampled on 11/19/99								
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/99	106016	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/22/99	106082	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.1	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.5	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/22/99	106082	(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	92	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		



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**Laboratory
 Report
 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/22/99	106082	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.5	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/22/99	106082	(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	100	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		



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**Laboratory
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 #60171**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-050 (1911190219)				Sampled on 11/19/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/19/99	106016	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/22/99	106082	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/22/99	106082	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/22/99	106082	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/22/99	106082	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		



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Laboratory
 QC Report
 #60171

Foster Wheeler Environmental, Inc

QC Batch #106016

Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11190218		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.048	96.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.048	96.0	(80.00 - 120.00)	0.00

QC Batch #106082

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.83	95.8	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.49	112.2	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.11	102.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.47	86.8	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.54	88.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	3.53	88.2	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	5.03	125.8	(70.00 - 130.00)	35
LCS1	1,1-Dichloropropene	4	4.44	111.0	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	4.57	114.2	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.20	105.0	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.57	114.2	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.79	94.8	(75.00 - 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	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.40	110.0	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.65	116.3	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.73	96.6	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.45	111.2	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	3.78	94.5	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	41.1	102.8	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.48	112.0	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.35	108.7	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	39.8	99.5	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911180129		(0.00 - 0.00)	
LCS1	Benzene	4	4.37	109.2	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.25	106.2	(70.00 - 130.00)	
MSD	Benzene	4	4.37	109.2	(70.00 - 130.00)	2.8
LCS1	Bromobenzene	4	4.52	113.0	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	1.44	72.0	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.02	100.5	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.08	102.0	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.08	102.0	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	3.8
LCS1	Carbon Tetrachloride	4	3.66	91.5	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	4	2.98	74.5	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	4	3.62	90.5	(74.00 - 124.00)	
MBLK	Chloroform (Trichloromethane)	ND				
LCS1	Bromochloromethane	4	3.74	93.5	(70.00 - 130.00)	
MBLK	Bromochloromethane	ND				
LCS1	Chloroethane	2	1.42	71.0	(70.00 - 130.00)	
MBLK	Chloroethane	ND				
LCS1	Chloromethane (Methyl Chloride)	2	1.70	85.0	(70.00 - 130.00)	
MBLK	Chloromethane (Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
LCS1	Dibromomethane	4	3.73	93.2	(70.00 - 130.00)	
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	4	3.66	91.5	(70.00 - 116.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	4	4.23	105.8	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	4	4.00	100.0	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
LCS1	Dichlorodifluoromethane	2	1.80	90.0	(70.00 - 130.00)	
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	2	1.71	85.5	(71.00 - 118.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
LCS1	Hexachlorobutadiene	4	4.37	109.2	(70.00 - 130.00)	
MBLK	Hexachlorobutadiene	ND				
LCS1	Isopropylbenzene	4	4.53	113.2	(70.00 - 130.00)	
MBLK	Isopropylbenzene	ND				
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.33	108.2	(70.00 - 130.00)	
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	8	8.34	104.2	(74.00 - 116.00)	
MBLK	m,p-Xylenes	ND				
LCS1	Naphthalene	4	3.61	90.2	(70.00 - 130.00)	
MBLK	Naphthalene	ND				
LCS1	n-Butylbenzene	4	4.57	114.2	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
 (continued)

MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	4.63	115.8	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.10	102.5	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.31	107.7	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.08	102.0	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	4.59	114.8	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	4.47	111.8	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.35	108.7	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	85	85.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	90	90.0		
MS	1,2-dichloroethane-d4	100	105	105.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	6.5
LCS1	Toluene-d8	100	97	97.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	99	99.0		
MS	Toluene-d8	100	102	102.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	102	102.0	(91.00 - 107.00)	0.00
LCS1	4-Bromofluorobenzene	100	97	97.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	97	97.0		
MS	4-Bromofluorobenzene	100	96	96.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	93	93.0	(82.00 - 119.00)	3.2
LCS1	trans-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.49	112.2	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.17	104.2	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.21	105.2	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.31	107.7	(70.00 - 130.00)	2.3
LCS1	Trichlorotrifluoroethane (Freon)	2	1.83	91.5	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				

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 QC Report
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Foster Wheeler Environmental, Inc
 (continued)

MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.19	104.8	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.23	105.8	(70.00 - 130.00)	
MSD	Toluene	4	4.15	103.8	(70.00 - 130.00)	1.9
LCS1	Vinyl chloride (VC)	2	1.47	73.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #106528

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11180129		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	99	99.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97	97.0	(85.00 - 115.00)	2.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	92	92.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	98	98.0	(77.00 - 119.00)	6.3

QC Batch #106598

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	11180125		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.3	96.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.5	102.5	(90.00 - 110.00)	6.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.2	96.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	18.5	92.5	(75.00 - 125.00)	3.7

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

**MONTGOMERY WATSON LABORATORIES***Quality Environmental Analysis*

A division of Montgomery Watson Americas, Inc.

December 16, 1999

Revised: February 1, 2000

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

Attention: Mark Cutler

Re: Report # 60201 (MW-994-006, MW-994-084, MW-994-085, MW-994-005, MW-994-004, MW-994-003, MW-994-002)

Sampled 11/22/99

Dear Mark,

Enclosed please find revised data deliverables for the recent JPL project. Revisions are detailed under TIC's. A detailed quality control (QC) summary follows:

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

(524.2) QC batch 106170-11/29/99: The MSD for 1,1-Dichloroethylene does not meet default limits of 70-130. The RPD is within default acceptance limits of 20%. No limits are detailed for real matrices in the method, nor in the QAPP. The sample used for the MS/MSD is MW-994-002 and may contain a high bias for this analyte. The sample is Non Detect. No qualification of results is required. The LCS recoveries for 1,2,4-Trichlorobenzene and o-Dichlorobenzene recover above MWL internal limits, but are within the method and QAPP limits. Results are reported without qualification.

Samples requiring dilution (with increased MRL's):

MW-994-004 is diluted for Carbon Tetrachloride and Chloroform

MW-994-006 is diluted for Perchlorate

Method blanks with compounds detected:

None

Comments:

Carbon Tetrachloride was detected in MW-994-004

Chloroform was detected in MW-994-085, -004

Dichloromethane was detected in MW-994-085

Trichloroethylene was detected in MW-994-085

Trichloroethylene was detected in MW-994-004

Trichlorotrifluoroethane was detected in MW-994-004

Perchlorate was detected in MW-994-004

TIC'S:

None

Method Variation:

TIC's are reported only if the final result is >0.5 ug/L.

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

Northern California Service Center
1340 Treat Boulevard - Suite 300
Walnut Creek, California 94596
Tel: 925 274 2322
Fax: 925 945 1760

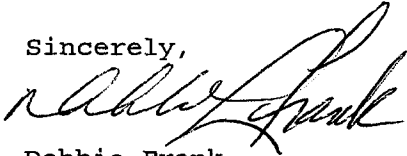
Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
Tel: 949 222 1845
Fax: 949 222 1849

Additional Comments:

(300.0mod) MW-994-006 contains an unknown compound, which interferes with the proper detection of Perchlorate. It elutes at a similar retention time as Perchlorate. Undiluted, there is an apparently false detect of 200ppb in the sample. Upon diluting the sample, the result is Non Detect. The sample is reported as Non Detect with an elevated detection limit of 20ppb.

(524.2) The date analyzed for the diluted compounds in MW-994-004 is revised from the original date analyzed of 11/23/99 to that of the diluted run on 11/29/99. Carbon Tetrachloride and Chloroform only, are reported from the 11/29/99 diluted run for MW-994-028.

Sincerely,



Debbie Frank
Project Manager

CC: Judy Novelly (JPL)



60201

NUMBER 1083

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT JCL	OFS NO. 1372 0294	HAZARD IDENTIFICATION Non Hazard <input checked="" type="checkbox"/> Reactive <input type="checkbox"/> Flammable <input type="checkbox"/> Toxic <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Infectious <input type="checkbox"/>	TIME REQUIRED NORMAL <input checked="" type="checkbox"/> _____ DAYS RUSH <input type="checkbox"/> _____ DAYS
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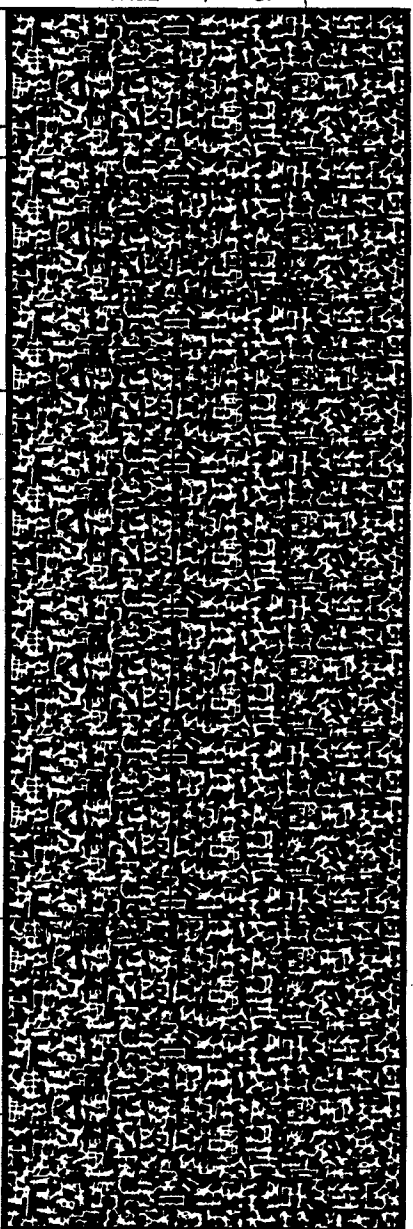
PROJECT ADDRESS 4000 Oak Grove Dr Pasadena CA	SAMPLER (Name) T. J. ...	SAMPLER (Signature) <i>[Signature]</i>
--	-----------------------------	---

LABORATORY Northridge Watson Labs	REPORTS TO BE SENT TO Mr. Mark Cutler	ANALYSES REQUIRED
--------------------------------------	--	-------------------

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOL% (G/L)	C/D/A	C/D/A	C/D/A	MS EN 1191	MS EN 1192	MS EN 1193	MS EN 1194	MS EN 1195	MS EN 1196	MS EN 1197	MS EN 1198	MS EN 1199	MS EN 1200	
					WATER	SOIL	OTHER (Describe)															
MW-974-006	1040	11/22/97	5	2x40ml 2x125ml	X			X	X	X	X											
MW-974-007	1100		5	2x40ml	X			X	X	X	X											
MW-974-008	1130		5	2x40ml 2x125ml	X			X	X	X	X											
MW-974-009	1140		5	2x40ml 2x125ml	X			X	X	X	X											
MW-974-010	1225		5	2x40ml 2x125ml	X			X	X	X	X											
MW-974-011	1315		5	2x40ml 2x125ml	X			X	X	X	X											
MW-974-012	1400		5	2x40ml 2x125ml 1x250ml	X			X	X	X	X											
MW-974-013	1400		2	2x40ml	X							X										
MW-974-014	1400		2	2x40ml	X							X										

LABORATORY INSTRUCTIONS/COMMENTS
Level III Q/R/C

RELINQUISHED BY (Signature) <i>[Signature]</i>	DATE 11/22/97	RECEIVED BY (Signature) <i>[Signature]</i>	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
COMPANY Foster Wheeler	TIME 1:00	COMPANY Watson Labs	COMPANY	TIME	COMPANY



MONTGOMERY WATSON COOLER RECEIPT FORM


PROJECT: ENSERCH

DATE RECEIVED: 11-22-99

Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

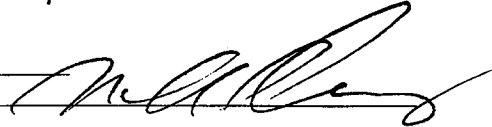
Date Cooler opened: 11-20-99

By (print) MIKE CHITIAN (sign) 

1. Did cooler come with shipping slip (air bill, etc.)? Yes No
If yes, attach and enter carrier and air bill number here: _____
2. Were custody seals on outside of cooler? Yes No
If yes, how many and where: 1 OUTSIDE LID
If yes, enter the following: seal date: 11-22-99 seal name: TT
3. Were custody seals unbroken and intact at delivery? Yes No
4. Were custody papers sealed in bag and taped to lid? Yes No
5. Were custody papers filled out properly (ink, etc.)? Yes No
6. Did you sign custody papers in appropriate place? Yes No
7. Was project identifiable from custody papers? Yes No
8. Have designated person(s) initial and acknowledge receipt: MC date: 11-22-99

B. LOGIN PHASE

Date samples were logged in: 11-22-99

By (print) MIKE CHITIAN (sign) 

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



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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

REVISED
TSC's

MONTGOMERY WATSON LABS.
SUBMITTED ON
JAN 27 2000
Debbie Frank

DEB* Debbie Frank

Report#: 60201
JPL

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Laboratory
 Report
 #60201

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

Samples Received
 22-nov-1999 16:13:51

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-006 (1911220072)				Sampled on 11/22/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	20	5
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106769	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/23/99	106170	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/23/99	106170	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-994-084 (1911220073) Sampled on 11/22/99

Regulated VOCs plus Lists 1&3

11/23/99	106170	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/23/99	106170	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
11/23/99	106170	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
11/23/99	106170	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/23/99	106170		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/23/99	106170		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/23/99	106170		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/23/99	106170		(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	100	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-085 (1911220074)				Sampled on 11/22/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106769	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/23/99	106170	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/23/99	106170	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.1	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dichloromethane	0.7	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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**Laboratory
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 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-005 (1911220075)				Sampled on 11/22/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106769	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/23/99	106170	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/23/99	106170	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-004 (1911220076)				Sampled on 11/22/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	5.2	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106769	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/23/99	106170	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/29/99	106170	(ML/EPA 524.2)	Carbon Tetrachloride	26	ug/l	1.2	2.5
	11/23/99	106170	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/29/99	106170	(ML/EPA 524.2)	Chloroform (Trichloromethane)	43	ug/l	1.2	2.5
	11/23/99	106170	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.3	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	0.9	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-003 (1911220077)				Sampled on 11/22/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106769	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/23/99	106170	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/23/99	106170	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-002 (1911220078)				Sampled on 11/22/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/08/99	12/08/99	106528	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106769	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/23/99	106170	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/23/99	106170	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60201**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/23/99	106170	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/23/99	106170	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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Report
Comments
#60201

(QC batch#: 106170)

Test: 11DCE6

QC Type: MSD

unable to rerun, insufficient sample

Test: 124TCB1

QC Type: LCS1

within method QC

Test: ODCB

QC Type: LCS1

within method QC

(Sample#: 1911220072)

Test: CLO4

This sample contains an unknown compound which has a similar retention time to perchlorate. The undiluted result is 200 ppb false positive. The one to five dilution is reported for this sample.



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Laboratory
 QC Report
 #60201

Foster Wheeler Environmental, Inc

QC Batch #106170

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	4.25	106.2	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.42	110.5	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.44	111.0	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.53	113.2	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.07	101.8	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	4.89	122.2	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	5.48	<u>137.0</u>	(70.00 - 130.00)	11
LCS1	1,1-Dichloropropene	4	4.90	122.5	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	4.58	114.5	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropene	4	4.62	115.5	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropene	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.65	<u>116.3</u>	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.49	112.2	(75.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropene	4	4.83	120.8	(77.00 - 122.00)	
MBLK	1,2-Dichloropropene	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.67	116.8	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropene	8	8.76	109.5	(70.00 - 130.00)	
LCS1	1,3-Dichloropropene	4	4.46	111.5	(70.00 - 130.00)	
MBLK	1,3-Dichloropropene	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.47	111.8	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropene	4	4.47	111.8	(70.00 - 130.00)	

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



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Laboratory
 QC Report
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Foster Wheeler Environmental, Inc
 (continued)

MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	45.3	113.2	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.45	111.2	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.46	111.5	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	44.2	110.5	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911220078		(0.00 - 0.00)	
LCS1	Benzene	4	4.73	118.3	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.62	115.5	(70.00 - 130.00)	
MSD	Benzene	4	4.62	115.5	(70.00 - 130.00)	0.00
LCS1	Bromobenzene	4	4.55	113.8	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	1.93	96.5	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.47	111.8	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.48	112.0	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.60	115.0	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.56	114.0	(70.00 - 130.00)	0.87
LCS1	Carbon Tetrachloride	4	4.26	106.5	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	4	3.67	91.8	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	4	4.15	103.8	(74.00 - 124.00)	
MBLK	Chloroform (Trichloromethane)	ND				
LCS1	Bromochloromethane	4	4.58	114.5	(70.00 - 130.00)	
MBLK	Bromochloromethane	ND				
LCS1	Chloroethane	2	1.91	95.5	(70.00 - 130.00)	
MBLK	Chloroethane	ND				
LCS1	Chloromethane (Methyl Chloride)	2	1.79	89.5	(70.00 - 130.00)	

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

MBLK	Chloromethane (Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	4	4.08	102.0	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
LCS1	Dibromomethane	4	4.44	111.0	(70.00 - 130.00)	
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	4	4.21	105.2	(70.00 - 116.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	4	4.20	105.0	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	4	4.42	110.5	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
LCS1	Dichlorodifluoromethane	2	1.59	79.5	(70.00 - 130.00)	
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	2	1.78	89.0	(71.00 - 118.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
LCS1	Hexachlorobutadiene	4	4.64	116.0	(70.00 - 130.00)	
MBLK	Hexachlorobutadiene	ND				
LCS1	Isopropylbenzene	4	4.47	111.8	(70.00 - 130.00)	
MBLK	Isopropylbenzene	ND				
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.44	111.0	(70.00 - 130.00)	
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	8	9.02	112.8	(74.00 - 116.00)	
MBLK	m,p-Xylenes	ND				
LCS1	Naphthalene	4	4.58	114.5	(70.00 - 130.00)	
MBLK	Naphthalene	ND				
LCS1	n-Butylbenzene	4	4.69	117.3	(70.00 - 130.00)	
MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	4.46	111.5	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.48	112.0	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.64	<u>116.0</u>	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.45	111.2	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	4.54	113.5	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				

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Laboratory
 QC Report
 #60201

Foster Wheeler Environmental, Inc
 (continued)

LCS1	sec-Butylbenzene	4	4.34	108.5	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.84	121.0	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	92	92.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	94	94.0		
MS	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	107	107.0	(80.00 - 127.00)	4.6
LCS1	Toluene-d8	100	98	98.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	99	99.0		
MS	Toluene-d8	100	107	107.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	101	101.0	(91.00 - 107.00)	5.8
LCS1	4-Bromofluorobenzene	100	99	99.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	89	89.0		
MS	4-Bromofluorobenzene	100	105	105.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	109	109.0	(82.00 - 119.00)	3.7
LCS1	trans-1,2-Dichloroethylene	4	4.11	102.8	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.46	111.5	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.55	113.8	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.55	113.8	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.69	117.3	(70.00 - 130.00)	3.0
LCS1	Trichlorotrifluoroethane (Freon)	2	1.95	97.5	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.51	112.8	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.59	114.8	(70.00 - 130.00)	
MSD	Toluene	4	4.55	113.8	(70.00 - 130.00)	0.88
LCS1	Vinyl chloride (VC)	2	1.99	99.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

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Laboratory
 QC Report
 #60201

Foster Wheeler Environmental, Inc
 (continued)

QC Batch #106528**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11180129		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	99	99.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97	97.0	(85.00 - 115.00)	2.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	92	92.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	98	98.0	(77.00 - 119.00)	6.3

QC Batch #106598**Perchlorate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	11180125		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.3	96.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.5	102.5	(90.00 - 110.00)	6.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.2	96.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	18.5	92.5	(75.00 - 125.00)	3.7

QC Batch #106769**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11220078		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.048	96.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.048	96.0	(80.00 - 120.00)	0.00

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MONTGOMERY WATSON LABORATORIES

Quality Environmental Analysis

A division of Montgomery Watson Americas, Inc.
December 14, 1999
Revised February 1, 2000

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

Attention: Mark Cutler

Re: Report # 60324 (MW-994-086, MW-994-064, MW-994-087, MW-994-063, MW-994-062, MW-994-061, MW-994-060)

Sampled: 11/23/99

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. Revisions are detailed under TIC's. A detailed quality control (QC) summary follows:

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

(524) QC Batch 106249-11/29/99: The MSD for 1,1-Dichloroethylene does not meet default limits of 70-130. The RPD is within default acceptance limits of 20%. No limits are detailed for real matrices in the method, nor in the QAPP. The sample used for the MS/MSD is not reported in this report group. All other QC is within limits. Results are reported without qualification.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Comments:

- Chloroform was detected in MW-994-064, -087, -062, -060
- Dichloromethane was detected in MW-994-087
- Tetrachloroethylene was detected in MW-994-064, -063, -062, -061, 060
- Trichloroethylene was detected in MW-994-064, -063, -062, -060
- Cis-1,2-Dichloroethylene was detected in MW-994-064, -063
- Perchlorate was detected in MW-994-064, -062, -061, 060

TIC'S:

Carbonyl Sulfide was detected in MW-994-062, -063

Method Variation:

TIC's are only reported if the final result is >0.5 ug/L.

Sincerely,

Debbie Frank
Project Manager

cc: Judy Novelly (JPL)

Laboratory
555 East Walnut Street
Pasadena, California 91101
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Southwest Service Center
4820 South Mill Avenue - Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
Fax: 602 755 8203

Northern California Service Center
1340 Treat Boulevard - Suite 300
Walnut Creek, California 94596
Tel: 925 274 2322
Fax: 925 945 1760

Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
Tel: 949 222 1845
Fax: 949 222 1849



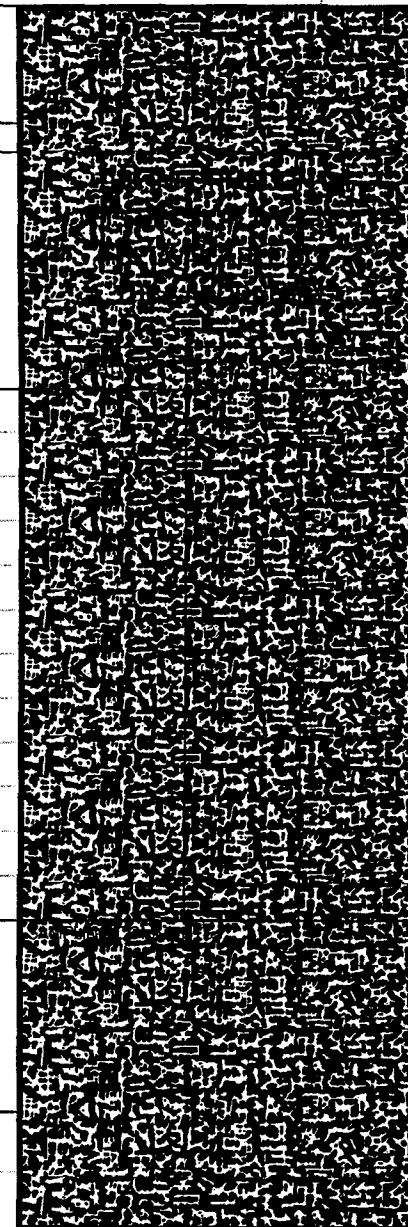
FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

60324

PAGE 1 OF 1

PROJECT 11111		OFS NO. 1512 1234		HAZARD IDENTIFICATION Non Hazard <input type="checkbox"/> Reactive <input type="checkbox"/> Flammable <input type="checkbox"/> Toxic <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Infectious <input type="checkbox"/>			TIME REQUIRED NORMAL <input checked="" type="checkbox"/> _____ DAYS RUSH <input type="checkbox"/> _____ DAYS											
PROJECT ADDRESS 11111				SAMPLER (Name) 11111			SAMPLER (Signature) 11111											
LABORATORY 11111				ANALYSES REQUIRED														
REPORTS TO BE SENT TO 11111				<table border="1"> <tr> <td>11111</td> <td>11111</td> <td>11111</td> <td>11111</td> <td>11111</td> <td>11111</td> <td>11111</td> <td>11111</td> <td>11111</td> </tr> </table>						11111	11111	11111	11111	11111	11111	11111	11111	11111
11111	11111	11111	11111	11111	11111	11111	11111	11111										
SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL													
					WATER	SOIL	OTHER (Describe)											
HW-194061	0823	11/27/11	2	2 x 10ml	X			X										
HW-194064	1115	}	4	2 x 12.5ml	X			X	X	X								
HW-194062	1010		5	2 x 12.5ml	X			X	X	X								
HW-194063	1020		5	2 x 12.5ml	X			X	X	X	X							
HW-194062	1110		1	2 x 12.5ml	X			X	X	X	X							
HW-194061	1155		5	2 x 12.5ml	X			X	X	X	X							
HW-194065	1210		5	2 x 12.5ml	X			X	X	X	X							
LABORATORY INSTRUCTIONS/COMMENTS 11111 IV WA/O																		
RELINQUISHED BY (Signature) 11111		DATE 11/27/11	RECEIVED BY (Signature) 11111		RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)										
COMPANY Foster Wheeler		TIME 1:50	COMPANY 11111		COMPANY		TIME	COMPANY										




MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: ENSERU1 DATE RECEIVED: 11-23-99

Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 11-23-99
By (print) M. DE LUCA (sign) 

1. Did cooler come with shipping slip (air bill, etc.)? Yes No
If yes, attach and enter carrier and air bill number here: DEL BY CLIENT

2. Were custody seals on outside of cooler? Yes No
If yes, how many and where: 1 AND 1 OUTSIDE LID
If yes, enter the following: seal date: 11-22-99 seal name: TT

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


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

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

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

7. Was project identifiable from custody papers? Yes No

8. Have designated person(s) initial and acknowledge receipt: MLD date: 11-23-99

B. LOGIN PHASE
Date samples were logged in: 11-24-99
By (print) M. DE LUCA (sign) 

9. Describe packing: _____

10. If required, was enough ice used? Yes No - TEMP 5°C REG 10 OK

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

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

13. Were all bottle labels complete (ID, date, sign, preservative)?

14. Did all bottle labels agree with custody papers? If no, list on back. Yes No

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

16. Were correct preservatives used when required? Yes No

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

18. Bubbles absent in VOA vials? If no, list by sample ID on back. Yes No

19. Was Client Services informed of problems? Yes No



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Laboratory Report

for

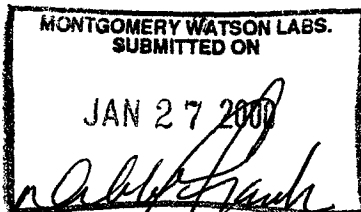
Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

REVISED
T.J.C.'s



DEB* Debbie Frank

Report#: 60324
JPL

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Laboratory
 Report
 #60324

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

Samples Received
 23-nov-1999 16:35:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-086 (1911240181)				Sampled on 11/23/99				
Regulated VOCs plus Lists 1&3								
11/29/99	106249		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
11/29/99	106249		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
11/29/99	106249		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60324**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/29/99	106249	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/29/99	106249	(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	98	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
 Report
 #60324**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-064 (1911240182)				Sampled on 11/23/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	4.9	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAF/MS	ND	ug/l	10	1
	11/23/99	106017	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/29/99	106249	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	2.2	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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 #60324

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/29/99	106249	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.0	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	11.4	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.7	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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**Laboratory
 Report
 #60324**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-087 (1911240183)				Sampled on 11/23/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106017	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/29/99	106249	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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 #60324

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/29/99	106249	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.2	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dichloromethane	0.6	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/29/99	106249	(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	101	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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**Laboratory
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 #60324**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-063 (1911240184)				Sampled on 11/23/99				
	12/08/99	106598	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106017	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/29/99	106249	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	1.1	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Laboratory
 Report
 #60324

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/29/99	106249		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	6.0	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Trichloroethylene (TCE)	0.6	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbonyl sulfide	5.1	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		



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**Laboratory
 Report
 #60324**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-062 (1911240185)				Sampled on 11/23/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	4.8	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106017	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/29/99	106249	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/29/99	106249	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.2	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.9	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Carbonyl sulfide	4.9	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Laboratory
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 #60324

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-061 (1911240186)				Sampled on 11/23/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	4.6	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106017	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/29/99	106249	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	11/29/99	106249	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.2	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/29/99	106249	(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	98	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		



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**Laboratory
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 #60324**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-060 (1911240187)				Sampled on 11/23/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	16	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/23/99	106017	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	11/29/99	106249	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/29/99	106249	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/29/99	106249	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60324**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
11/29/99	106249		(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.2	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.7	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Trichloroethylene (TCE)	15.0	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
11/29/99	106249		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
11/29/99	106249		(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	100	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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Report
Comments
#60324

(QC batch#: 106249)

Test: 11DCE6

QC Type: MSD

insufficient sample to re-run



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Laboratory
 QC Report
 #60324

Foster Wheeler Environmental, Inc

QC Batch #106017

Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11240185		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	2.0
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.051	102.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(80.00 - 120.00)	4.0

QC Batch #106249

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	3.83	95.8	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.91	97.8	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.00	100.0	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.83	95.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.97	99.2	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	4.89	122.2	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	5.48	<u>137.0</u>	(70.00 - 130.00)	11
LCS1	1,1-Dichloropropene	4	4.05	101.2	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	3.84	96.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	3.92	98.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.99	99.8	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.44	111.0	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.64	91.0	(75.00 - 130.00)	

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Foster Wheeler Environmental, Inc
 (continued)

MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.97	99.2	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.52	113.0	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	4	3.77	94.2	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	8	7.58	94.8	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.28	107.0	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	3.99	99.8	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	36.3	90.8	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.36	109.0	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.46	111.5	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	37.1	92.8	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911220078		(0.00 - 0.00)	
LCS1	Benzene	4	4.05	101.2	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.62	115.5	(70.00 - 130.00)	
MSD	Benzene	4	4.62	115.5	(70.00 - 130.00)	0.00
LCS1	Bromobenzene	4	4.29	107.2	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.01	100.5	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	3.98	99.5	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.00	100.0	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.60	115.0	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.56	114.0	(70.00 - 130.00)	0.87
LCS1	Carbon Tetrachloride	4	3.87	96.8	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
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MBLK	Carbon Tetrachloride	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	Bromoform	4	2.93	73.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
LCS1	Chloroform (Trichloromethane)	4	3.87	96.8	(74.00 - 124.00)
MBLK	Chloroform (Trichloromethane)	ND			
LCS1	Bromochloromethane	4	4.03	100.8	(70.00 - 130.00)
MBLK	Bromochloromethane	ND			
LCS1	Chloroethane	2	1.44	72.0	(70.00 - 130.00)
MBLK	Chloroethane	ND			
LCS1	Chloromethane (Methyl Chloride)	2	1.76	88.0	(70.00 - 130.00)
MBLK	Chloromethane (Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	4	3.67	91.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
LCS1	Dibromomethane	4	3.77	94.2	(70.00 - 130.00)
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	4	3.76	94.0	(70.00 - 116.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	4	3.45	86.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.06	101.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Dichlorodifluoromethane	2	2.01	100.5	(70.00 - 130.00)
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.92	96.0	(71.00 - 118.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
LCS1	Hexachlorobutadiene	4	4.34	108.5	(70.00 - 130.00)
MBLK	Hexachlorobutadiene	ND			
LCS1	Isopropylbenzene	4	4.51	112.8	(70.00 - 130.00)
MBLK	Isopropylbenzene	ND			
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.34	108.5	(70.00 - 130.00)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	8	8.14	101.8	(74.00 - 116.00)
MBLK	m,p-Xylenes	ND			
LCS1	Naphthalene	4	3.61	90.2	(70.00 - 130.00)
MBLK	Naphthalene	ND			
LCS1	n-Butylbenzene	4	4.31	107.7	(70.00 - 130.00)

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Foster Wheeler Environmental, Inc
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MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	4.51	112.8	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.02	100.5	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.95	98.8	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.11	102.8	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	4.51	112.8	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	4.52	113.0	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.07	101.8	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	90	90.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	94	94.0		
MS	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	107	107.0	(80.00 - 127.00)	4.6
LCS1	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	98	98.0		
MS	Toluene-d8	100	107	107.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	101	101.0	(91.00 - 107.00)	5.8
LCS1	4-Bromofluorobenzene	100	104	104.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	92	92.0		
MS	4-Bromofluorobenzene	100	105	105.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	109	109.0	(82.00 - 119.00)	3.7
LCS1	trans-1,2-Dichloroethylene	4	4.07	101.8	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.44	111.0	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.12	103.0	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.55	113.8	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.69	117.3	(70.00 - 130.00)	3.0
LCS1	Trichlorotrifluoroethane (Freon	2	2.02	101.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon	ND				

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Foster Wheeler Environmental, Inc
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MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.03	100.8	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.59	114.8	(70.00 - 130.00)	
MSD	Toluene	4	4.55	113.8	(70.00 - 130.00)	0.88
LCS1	Vinyl chloride (VC)	2	1.96	98.0	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #106596

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11290073		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	100	100.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98	98.0	(85.00 - 115.00)	2.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	98	98.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	96	96.0	(77.00 - 119.00)	2.1

QC Batch #106598

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	11180125		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.3	96.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.5	102.5	(90.00 - 110.00)	6.0
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.2	96.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	18.5	92.5	(75.00 - 125.00)	3.7

QC Batch #106599

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	11240185		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	21	105.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.2	101.0	(90.00 - 110.00)	3.9

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



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Laboratory
QC Report
#60324

Foster Wheeler Environmental, Inc
(continued)

MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.9	94.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	18.7	93.5	(75.00 - 125.00)	1.1

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



MONTGOMERY WATSON LABORATORIES

Quality Environmental Analysis

A division of Montgomery Watson Americas, Inc.
December 13, 1999
Revised February 1, 2000

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

Attention: Mark Cutler

Re: Report # 60362 (MW-994-088, MW-994-044, MW-994-043, MW-994-089, MW-994-042, MW-994-041, MW-994-040)

Sampled: 11/29/99

Dear Mark,

Enclosed please find revised data deliverables for the recent JPL project. Revisions are detailed under TIC's. A detailed quality control (QC) summary follows:

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

(524.2) QC batch 106353-12/01/99: The LCS for Fluorotrichloromethane, Freon 11, recovered at 118%. The limits are 70-130%. This analyte is within method acceptance limits, though it is flagged as being outside of the internal LIMS limits. Results are acceptable for regulatory reporting.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Comments:

Carbon Tetrachloride was detected in MW-994-042
Chloroform was detected in MW-994-044, -043, -089, -042, -041
Trichloroethylene was detected in MW-994-044, -043, -042
Perchlorate was detected in MW-994-044, -043, -042

TIC'S:

None

Method Variation:

TIC's are only reported if the final result is >0.5 ug/L.

Additional Comments:

The date sampled in the original letter is revised from 11/19/99 to 11/29/99.

Sincerely,

Debbie Frank
Project Manager

CC: Judy Novelly (JPL)

Laboratory
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Pasadena, California 91101
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Fax: 626 568 6324

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

Northern California Service Center
1340 Treat Boulevard - Suite 300
Walnut Creek, California 94596
Tel: 925 274 2322
Fax: 925 945 1760

Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
Tel: 949 222 1845
Fax: 949 222 1849

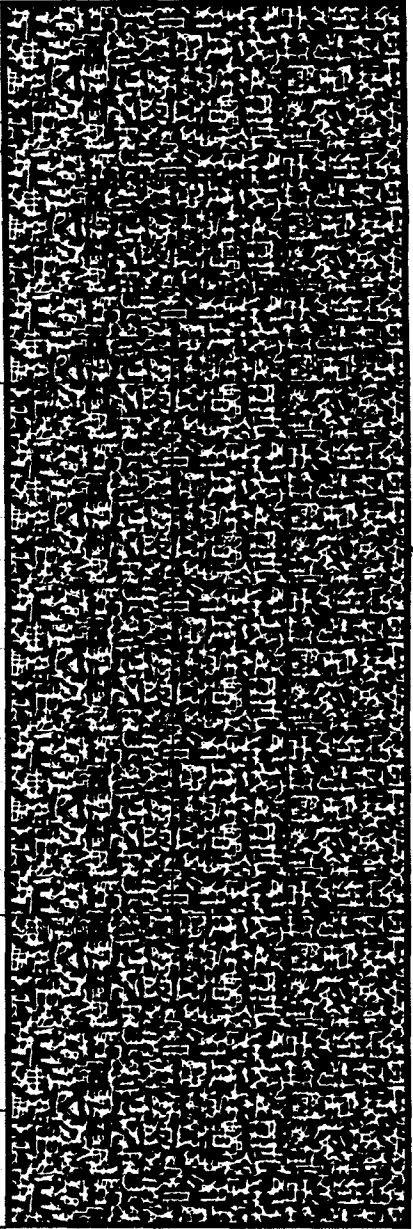


FOSTER WHEELER ENVIRONMENTAL CORPORATION CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PROJECT JPL	OFS NO. 1572-02911	HAZARD IDENTIFICATION Non Hazard <input checked="" type="checkbox"/> Reactive <input type="checkbox"/> Flammable <input type="checkbox"/> Toxic <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Infectious <input type="checkbox"/>	TIME REQUIRED NORMAL <input checked="" type="checkbox"/> DAYS RUSH <input type="checkbox"/> DAYS
PROJECT ADDRESS 1440 Oak Grove Dr. Pasadena, CA			

SAMPLER (Name) Jana Turpin Kaslo	SAMPLER (Signature) <i>Jana Turpin Kaslo</i>	ANALYSES REQUIRED VOCs (524.2) Cr Pb Cr 6+ ClO4- MS FOR VOCs MSD FOR VOCs MS/MSD FOR Cr QC FOR Cr 6+
LABORATORY Montgomery Watson Labs		
REPORTS TO BE SENT TO Mr. Mark Cotler		

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOCs (524.2)	Cr Pb	Cr 6+	ClO4-	MS FOR VOCs	MSD FOR VOCs	MS/MSD FOR Cr	QC FOR Cr 6+
					WATER	SOIL	OTHER (Describe)								
MW-994-048	1030	11/29/99	2	40 ml	X			X							
MW-994-044	0955	}	5	2x40ml 3x125ml	X			X	X	X	X				
MW-994-042	1055		5	2x40ml 3x125ml	X			X	X	X	X				
MW-994-041	1120		5	2x40ml 3x125ml	X			X	X	X	X				
MW-994-042	1215		5	2x40ml 3x125ml	X			X	X	X	X			X	
MW-994-041	1300		5	2x40ml 2x125ml, 1x250ml	X			X	X	X	X			X	
MW-994-0445	1300		2	2x40ml	X			X				X			
MW-994-0445	1300		2	2x40ml	X			X				X			
MW-994-046	1410		5	2x40ml, 3x125ml	X			X	X	X	X				



LABORATORY INSTRUCTIONS/COMMENTS
Level IV on/oc

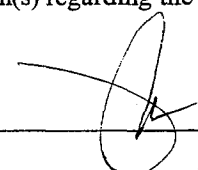
RELINQUISHED BY (Signature) <i>Jana Turpin Kaslo</i>	DATE 11/29/99	RECEIVED BY (Signature) <i>[Signature]</i>	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
COMPANY Foster Wheeler	TIME 1:30	COMPANY [Signature]	COMPANY	TIME	COMPANY

MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: ENJERCH - FOSTER WHEELER DATE RECEIVED: 11-29-99

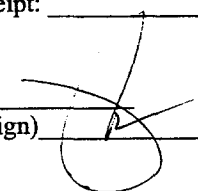
Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 11-29-99
By (print) MARTIN L. DE MESA (sign) 

1. Did cooler come with shipping slip (air bill, etc.)?
If yes, attach and enter carrier and air bill number here: DELIVERED BY CLIENT Yes No
2. Were custody seals on outside of cooler?
If yes, how many and where: 1 OUTSIDE LID Yes No
If yes, enter the following: seal date: 11-29-99 seal name: TIK
3. Were custody seals unbroken and intact at delivery? Yes No
4. Were custody papers sealed in bag and taped to lid? Yes No
5. Were custody papers filled out properly (ink, etc.)? Yes No
6. Did you sign custody papers in appropriate place? Yes No
7. Was project identifiable from custody papers? Yes No
8. Have designated person(s) initial and acknowledge receipt: MLD date: 11-29-99

B. LOGIN PHASE

Date samples were logged in: 11-29-99
By (print) MARTIN L. DE MESA (sign) 

9. Describe packing: _____

10. If required, was enough ice used? Yes No TEMP 5°C REQ. 10°C
11. Were all bottles sealed in separate plastic bags? Yes No
12. Did all bottles arrive unbroken and in good condition? Yes No
13. Were all bottle labels complete (ID, date, sign, preservative)?
14. Did all bottle labels agree with custody papers? If no, list on back. Yes No
15. Were correct containers used for the analytes? Yes No
16. Were correct preservatives used when required? Yes No
17. Was sufficient amount of sample sent for tests? Yes No
18. Bubbles absent in VOA vials? If no, list by sample ID on back. Yes No
19. Was Client Services informed of problems? Yes No



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Laboratory Report

for

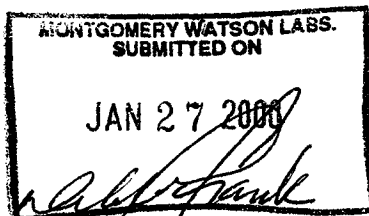
Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

REVISED
TICs



DEB* Debbie Frank

Report#: 60362
JPL

**MONTGOMERY WATSON LABORATORIES**

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 Pasadena, California 91101
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Laboratory
 Report
 #60362

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

Samples Received
 29-nov-1999 15:20:12

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-088 (1911290068)				Sampled on 11/29/99				
Regulated VOCs plus Lists 1&3								
12/01/99	106353	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
12/01/99	106353	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
12/01/99	106353	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
12/01/99	106353	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/01/99	12/01/99	106353	(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	108	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-044 (1911290069)				Sampled on 11/29/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	9.1	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/29/99	105941	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/01/99	106353	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/01/99	106353	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.1	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichloroethylene (TCE)	6.7	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/01/99	106353	(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	95	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-043 (1911290070)				Sampled on 11/29/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	10	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/29/99	105941	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/01/99	106353	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/01/99	106353	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.0	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichloroethylene (TCE)	6.8	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-089 (1911290071)				Sampled on 11/29/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/29/99	105941	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/01/99	106353	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/01/99	106353	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.7	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/01/99	106353	(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	99	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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**Laboratory
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 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-042 (1911290072)				Sampled on 11/29/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	5.5	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/29/99	105941	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/03/99	106409	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Carbon Tetrachloride	0.7	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/03/99	106409	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.4	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.2	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Laboratory
 Report
 #60362

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-041 (1911290073)				Sampled on 11/29/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/29/99	105941	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/03/99	106409	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60362**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/03/99	106409		(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.4	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		

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Laboratory
 Report
 #60362

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-040 (1911290074)				Sampled on 11/29/99				
	12/08/99	106599	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/29/99	105941	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/03/99	106409	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Report
Comments
#60362

(QC batch#: 106353)

Test: FTCME

QC Type: LCS1

within method QC

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Laboratory
 QC Report
 #60362

Foster Wheeler Environmental, Inc

QC Batch #105941**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11290072		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.046	92.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.046	92.0	(80.00 - 120.00)	0.00

QC Batch #106353**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.46	111.5	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.67	91.8	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.40	110.0	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.28	107.0	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.42	110.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	4.10	102.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)	11
LCS1	1,1-Dichloropropene	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	3.70	92.5	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	3.84	96.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.84	96.0	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	3.76	94.0	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.60	115.0	(75.00 - 130.00)	

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



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Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.12	103.0	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.32	104.0	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	4	4.31	107.7	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.68	92.0	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	4.55	113.8	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	48.6	121.5	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	3.59	89.8	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	3.57	89.2	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	47.3	118.2	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911290073		(0.00 - 0.00)	
LCS1	Benzene	4	4.19	104.8	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.14	103.5	(70.00 - 130.00)	
MSD	Benzene	4	4.41	110.2	(70.00 - 130.00)	6.3
LCS1	Bromobenzene	4	3.58	89.5	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.23	111.5	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.13	103.2	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.10	102.5	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.01	100.2	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.38	109.5	(70.00 - 130.00)	8.8
LCS1	Carbon Tetrachloride	4	4.40	110.0	(70.00 - 130.00)	

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Laboratory
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 #60362

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/03/99	106409	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/03/99	106409	(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	95	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		



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Foster Wheeler Environmental, Inc
 (continued)

MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	4	3.11	77.8	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	4	4.43	110.8	(74.00 - 124.00)	
MBLK	Chloroform (Trichloromethane)	ND				
LCS1	Bromochloromethane	4	4.47	111.8	(70.00 - 130.00)	
MBLK	Bromochloromethane	ND				
LCS1	Chloroethane	2	1.87	93.5	(70.00 - 130.00)	
MBLK	Chloroethane	ND				
LCS1	Chloromethane (Methyl Chloride)	2	2.13	106.5	(70.00 - 130.00)	
MBLK	Chloromethane (Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
LCS1	Dibromomethane	4	4.45	111.2	(70.00 - 130.00)	
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	4	4.25	106.2	(70.00 - 116.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	4	4.27	106.7	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	4	4.32	108.0	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
LCS1	Dichlorodifluoromethane	2	2.16	108.0	(70.00 - 130.00)	
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	2	2.37	<u>118.5</u>	(71.00 - 118.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
LCS1	Hexachlorobutadiene	4	3.99	99.8	(70.00 - 130.00)	
MBLK	Hexachlorobutadiene	ND				
LCS1	Isopropylbenzene	4	3.63	90.8	(70.00 - 130.00)	
MBLK	Isopropylbenzene	ND				
LCS1	m-Dichlorobenzene (1,3-DCB)	4	3.66	91.5	(70.00 - 130.00)	
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	8	8.60	107.5	(74.00 - 116.00)	
MBLK	m,p-Xylenes	ND				
LCS1	Naphthalene	4	3.62	90.5	(70.00 - 130.00)	
MBLK	Naphthalene	ND				
LCS1	n-Butylbenzene	4	4.12	103.0	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
 (continued)

MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	3.64	91.0	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.34	108.5	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.80	95.0	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.12	103.0	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	3.80	95.0	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	3.80	95.0	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.39	109.7	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	115	115.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	111	111.0		
MS	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	0.00
LCS1	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	100	100.0		
MS	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	106	106.0	(91.00 - 107.00)	4.8
LCS1	4-Bromofluorobenzene	100	94	94.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	88	88.0		
MS	4-Bromofluorobenzene	100	97	97.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	101	101.0	(82.00 - 119.00)	4.0
LCS1	trans-1,2-Dichloroethylene	4	4.25	106.2	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	3.72	93.0	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.23	105.8	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.08	102.0	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.35	108.7	(70.00 - 130.00)	6.4
LCS1	Trichlorotrifluoroethane (Freon)	2	2.36	118.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				

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Foster Wheeler Environmental, Inc
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MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.15	103.8	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.09	102.2	(70.00 - 130.00)	
MSD	Toluene	4	4.35	108.7	(70.00 - 130.00)	6.2
LCS1	Vinyl chloride (VC)	2	2.34	117.0	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #106409

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	3.84	96.0	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.95	98.8	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.12	103.0	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.75	93.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.98	99.5	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.73	93.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	4.10	102.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)	11
LCS1	1,1-Dichloropropene	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	3.76	94.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	4.08	102.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.91	97.8	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.51	112.8	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.64	91.0	(75.00 - 130.00)	

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MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.99	99.8	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.59	114.8	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	4	3.72	93.0	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	8	7.78	97.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.49	112.2	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	4.08	102.0	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	34.0	85.0	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.50	112.5	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.57	114.2	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	35.7	89.2	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911290073		(0.00 - 0.00)	
LCS1	Benzene	4	4.07	101.8	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.14	103.5	(70.00 - 130.00)	
MSD	Benzene	4	4.41	110.2	(70.00 - 130.00)	6.3
LCS1	Bromobenzene	4	4.49	112.2	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.07	103.5	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.07	101.8	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.03	100.8	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.01	100.2	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.38	109.5	(70.00 - 130.00)	8.8
LCS1	Carbon Tetrachloride	4	3.96	99.0	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	4	3.87	96.8	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	4	3.87	96.8	(74.00 - 124.00)	
MBLK	Chloroform (Trichloromethane)	ND				
LCS1	Bromochloromethane	4	3.99	99.8	(70.00 - 130.00)	
MBLK	Bromochloromethane	ND				
LCS1	Chloroethane	2	2.06	103.0	(70.00 - 130.00)	
MBLK	Chloroethane	ND				
LCS1	Chloromethane (Methyl Chloride)	2	1.95	97.5	(70.00 - 130.00)	
MBLK	Chloromethane (Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	4	3.85	96.2	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
LCS1	Dibromomethane	4	3.75	93.8	(70.00 - 130.00)	
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	4	3.84	96.0	(70.00 - 116.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	4	3.30	82.5	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	4	4.07	101.8	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
LCS1	Dichlorodifluoromethane	2	1.99	99.5	(70.00 - 130.00)	
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	2	1.79	89.5	(71.00 - 118.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
LCS1	Hexachlorobutadiene	4	4.15	103.8	(70.00 - 130.00)	
MBLK	Hexachlorobutadiene	ND				
LCS1	Isopropylbenzene	4	4.56	114.0	(70.00 - 130.00)	
MBLK	Isopropylbenzene	ND				
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.54	113.5	(70.00 - 130.00)	
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	8	8.13	101.6	(74.00 - 116.00)	
MBLK	m,p-Xylenes	ND				
LCS1	Naphthalene	4	3.63	90.8	(70.00 - 130.00)	
MBLK	Naphthalene	ND				
LCS1	n-Butylbenzene	4	4.13	103.2	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
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MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	4.68	117.0	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.03	100.8	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.00	100.0	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.09	102.2	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	4.61	115.3	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	4.61	115.3	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.04	101.0	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	91	91.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	98	98.0		
MS	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	0.00
LCS1	Toluene-d8	100	100	100.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	97	97.0		
MS	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	106	106.0	(91.00 - 107.00)	4.8
LCS1	4-Bromofluorobenzene	100	106	106.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	85	85.0		
MS	4-Bromofluorobenzene	100	97	97.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	101	101.0	(82.00 - 119.00)	4.0
LCS1	trans-1,2-Dichloroethylene	4	4.02	100.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.56	114.0	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.06	101.5	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.08	102.0	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.35	108.7	(70.00 - 130.00)	6.4
LCS1	Trichlorotrifluoroethane (Freon)	2	1.96	98.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				

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



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Laboratory
 QC Report
 #60362

Foster Wheeler Environmental, Inc
 (continued)

MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.06	101.5	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.09	102.2	(70.00 - 130.00)	
MSD	Toluene	4	4.35	108.7	(70.00 - 130.00)	6.2
LCS1	Vinyl chloride (VC)	2	1.90	95.0	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #106596

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11290073		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	100	100.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98	98.0	(85.00 - 115.00)	2.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	98	98.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	96	96.0	(77.00 - 119.00)	2.1

QC Batch #106599

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	11240185		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	21	105.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.2	101.0	(90.00 - 110.00)	3.9
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	18.9	94.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	18.7	93.5	(75.00 - 125.00)	1.1

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



MONTGOMERY WATSON LABORATORIES

Quality Environmental Analysis

A division of Montgomery Watson Americas, Inc.

December 21, 1999

Revised February 1, 2000

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

Attention: Mark Cutler

Report # 60413 (MW-994-090, MW-994-091, MW-994-059,
MW-994-058, MW-994-057, MW-994-056, MW-994-055)

Sampled 11/30/99

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. Revisions are detailed under TIC's. A detailed quality control (QC) summary follows:

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

The LCS recoveries for all compounds are within the method and QAPP limits. For method 524.2, Freon 113 was recovered in the LCS above internal limits, but inside method and QAPP limits. Results are reported without qualification.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Comments:

Perchlorate was detected in MW-994-055

Chloroform was detected in MW-994-091, 056, and 055

TIC'S:

None

Method Variation:

TIC's are only reported if the final result is >0.5 ug/L.

Additional Comments:

None

Sincerely,

Debbie Frank
Project Manager

CC: Judy Novelly (JPL)

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

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

Northern California Service Center
1340 Treat Boulevard - Suite 300
Walnut Creek, California 94596
Tel: 925 274 2322
Fax: 925 945 1760

Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
Tel: 949 222 1845
Fax: 949 222 1849



60413

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT SPL	OFS NO. 1572.0294	HAZARD IDENTIFICATION Non Hazard <input checked="" type="checkbox"/> Reactive <input type="checkbox"/> Flammable <input type="checkbox"/> Toxic <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Infectious <input type="checkbox"/>	TIME REQUIRED NORMAL <input checked="" type="checkbox"/> _____ DAYS RUSH <input type="checkbox"/> _____ DAYS
PROJECT ADDRESS 4300 Oak Grove Dr. Pasadena CA			

SAMPLER (Name) Linda Lopez-Koza	SAMPLER (Signature) <i>Linda Lopez-Koza</i>	ANALYSES REQUIRED
------------------------------------	--	-------------------

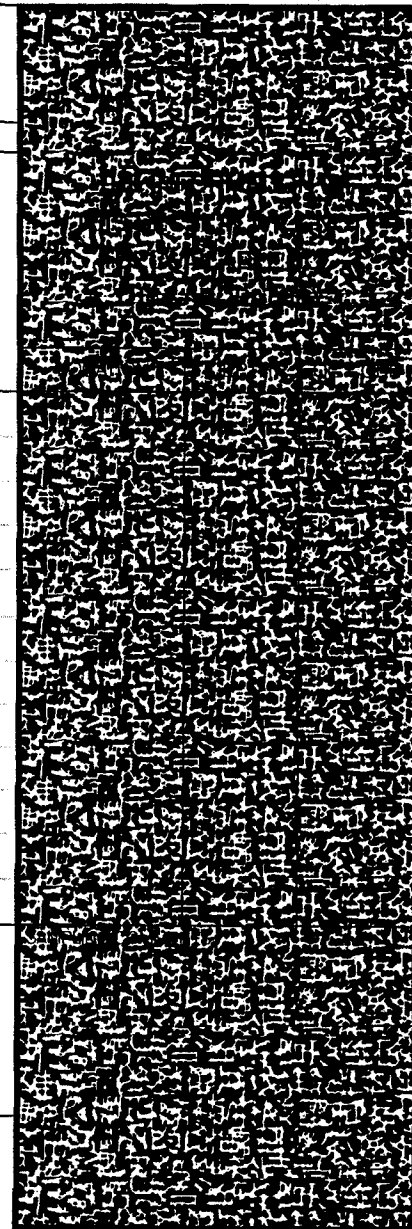
LABORATORY
MONTGOMERY WATSON (MWS)

REPORTS TO BE SENT TO
MWS

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			ANALYSES REQUIRED										
					WATER	SOIL	OTHER (Describe)	VOCs (EPA)	DTALCs	Ch Bi	Ch D4	Ch 1,2,4	Ch 1,2,3,4	Ch 1,2,3,4,5				
MW 974 070	0830	11/30/99	2	2x40ml	X			X										
MW 974 091	0850	}	5	2x40ml 3x125ml	X			X	X	X	X							
MW 974 097	0905		5	2x40ml 3x125ml	X			X	X	X	X							
MW 974 098	1015		5	2x40ml 3x125ml	X			X	X	X	X							
MW 974 097	1115		5	2x40ml 3x125ml	X			X	X	X	X							
MW 974 096	1210		5	2x40ml 3x125ml	X			X	X	X	X							
MW 974 095	1440		5	2x40ml 3x125ml	X			X	X	X	X							

LABORATORY INSTRUCTIONS/COMMENTS
LEVEL III QA/QC

RELINQUISHED BY (Signature) <i>[Signature]</i>	DATE 11/30/99	RECEIVED BY (Signature) <i>[Signature]</i>	RELINQUISHED BY (Signature) <i>[Signature]</i>	DATE 11/30/99	RECEIVED BY (Signature) <i>[Signature]</i>
COMPANY FW	TIME 10:00	COMPANY FW	COMPANY FW	TIME 10:00	COMPANY FW

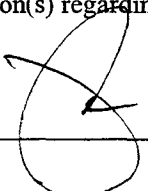


MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: FOSTER WHEELER DATE RECEIVED: 11-30-99


Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 11-30-99
By (print) M. DE MESA (sign) 

- 1. Did cooler come with shipping slip (air bill, etc.)? Yes No
If yes, attach and enter carrier and air bill number here: DEL BY CLIENT
- 2. Were custody seals on outside of cooler? Yes No
If yes, how many and where: 1 OUTSIDE LTD
If yes, enter the following: seal date: 11-30-99 seal name: TTC
- 3. Were custody seals unbroken and intact at delivery? Yes No
- 4. Were custody papers sealed in bag and taped to lid? Yes No
- 5. Were custody papers filled out properly (ink, etc.)? Yes No
- 6. Did you sign custody papers in appropriate place? Yes No
- 7. Was project identifiable from custody papers? Yes No
- 8. Have designated person(s) initial and acknowledge receipt: MLD date: 11-30-99

B. LOGIN PHASE

Date samples were logged in: 11-30-99
By (print) M. DE MESA (sign) 

- 9. Describe packing: _____
- 10. If required, was enough ice used? Yes No REG ICE TEMP 4°C
- 11. Were all bottles sealed in separate plastic bags? Yes No
- 12. Did all bottles arrive unbroken and in good condition? Yes No
- 13. Were all bottle labels complete (ID, date, sign, preservative)? Yes No
- 14. Did all bottle labels agree with custody papers? If no, list on back. Yes No
- 15. Were correct containers used for the analytes? Yes No
- 16. Were correct preservatives used when required? Yes No
- 17. Was sufficient amount of sample sent for tests? Yes No
- 18. Bubbles absent in VOA vials? If no, list by sample ID on back. Yes No
- 19. Was Client Services informed of problems? Yes No



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Laboratory Report

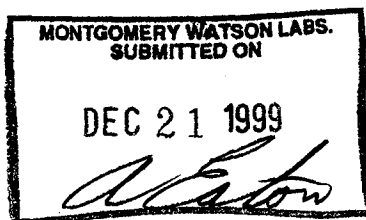
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



DEB* Debbie Frank

Report#: 60413
JPL

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Laboratory
 Report
 #60413

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

Samples Received
 30-nov-1999 17:08:33

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-090 (1911300335)				Sampled on 11/30/99				
Regulated VOCs plus Lists 1&3								
12/03/99	106409		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
12/03/99	106409		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
12/03/99	106409		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60413**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/03/99	106409		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/03/99	106409		(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	101	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		



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**Laboratory
 Report
 #60413**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-091 (1911300336)				Sampled on 11/30/99				
	12/16/99	107284	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/30/99	106015	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/03/99	106409	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60413**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/03/99	106409	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.4	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Laboratory
 Report
 #60413

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-059 (1911300337)				Sampled on 11/30/99				
	12/16/99	107284	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/30/99	106015	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/01/99	106353	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60413**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/01/99	106353	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

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Laboratory
 Report
 #60413

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-058 (1911300338)				Sampled on 11/30/99				
	12/16/99	107284	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAF/MS	ND	ug/l	10	1
	11/30/99	106015	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/03/99	106409	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60413**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/03/99	106409		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/03/99	106409		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-057 (1911300339)				Sampled on 11/30/99				
	12/16/99	107284	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/30/99	106015	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/01/99	106353	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/01/99	106353	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	cis-1,3-Dichloropropane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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 #60413

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/01/99	106353	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/01/99	106353	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Laboratory
 Report
 #60413

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-056 (1911300340)				Sampled on 11/30/99				
	12/16/99	107284	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/30/99	106015	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/03/99	106409	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60413**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/03/99	106409	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.8	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Laboratory
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 #60413

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-055 (1911300341)				Sampled on 11/30/99				
	12/16/99	107284	(MOD/EPA 300)	Perchlorate	7.7	ug/l	4.0	1
12/07/99	12/08/99	106596	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/30/99	106015	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/03/99	106409	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/03/99	106409	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60413**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/03/99	106409	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/ES24.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/03/99	106409	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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Report
Comments
#60413

(QC batch#: 106353)
Test: FTCME
QC Type: LCS1
within method QC

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Laboratory
 QC Report
 #60413

Foster Wheeler Environmental, Inc

QC Batch #106015**Hexavalent chromium (Cr VI)**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11300340		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.047	94.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.048	96.0	(78.00 - 118.00)	2.1
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.047	94.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.047	94.0	(80.00 - 120.00)	0.00

QC Batch #106353**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.46	111.5	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.67	91.8	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.40	110.0	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.28	107.0	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.42	110.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	4.10	102.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)	11
LCS1	1,1-Dichloropropene	4	4.36	109.0	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	3.70	92.5	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	3.84	96.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.84	96.0	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	3.76	94.0	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.60	115.0	(75.00 - 130.00)	

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 (continued)

MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.12	103.0	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	3.78	94.5	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.32	104.0	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	4	4.31	107.7	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.68	92.0	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	4.55	113.8	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	48.6	121.5	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	3.59	89.8	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	3.57	89.2	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	47.3	118.2	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911290073		(0.00 - 0.00)	
LCS1	Benzene	4	4.19	104.8	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.14	103.5	(70.00 - 130.00)	
MSD	Benzene	4	4.41	110.2	(70.00 - 130.00)	6.3
LCS1	Bromobenzene	4	3.58	89.5	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.23	111.5	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.13	103.2	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.10	102.5	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.01	100.2	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.38	109.5	(70.00 - 130.00)	8.8
LCS1	Carbon Tetrachloride	4	4.40	110.0	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
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MBLK	Carbon Tetrachloride	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	Bromoform	4	3.11	77.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
LCS1	Chloroform (Trichloromethane)	4	4.43	110.8	(74.00 - 124.00)
MBLK	Chloroform (Trichloromethane)	ND			
LCS1	Bromochloromethane	4	4.47	111.8	(70.00 - 130.00)
MBLK	Bromochloromethane	ND			
LCS1	Chloroethane	2	1.87	93.5	(70.00 - 130.00)
MBLK	Chloroethane	ND			
LCS1	Chloromethane (Methyl Chloride)	2	2.13	106.5	(70.00 - 130.00)
MBLK	Chloromethane (Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	4	3.96	99.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
LCS1	Dibromomethane	4	4.45	111.2	(70.00 - 130.00)
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	4	4.25	106.2	(70.00 - 116.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	4	4.27	106.7	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Dichlorodifluoromethane	2	2.16	108.0	(70.00 - 130.00)
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	2	2.37	<u>118.5</u>	(71.00 - 118.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
LCS1	Hexachlorobutadiene	4	3.99	99.8	(70.00 - 130.00)
MBLK	Hexachlorobutadiene	ND			
LCS1	Isopropylbenzene	4	3.63	90.8	(70.00 - 130.00)
MBLK	Isopropylbenzene	ND			
LCS1	m-Dichlorobenzene (1,3-DCB)	4	3.66	91.5	(70.00 - 130.00)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	8	8.60	107.5	(74.00 - 116.00)
MBLK	m,p-Xylenes	ND			
LCS1	Naphthalene	4	3.62	90.5	(70.00 - 130.00)
MBLK	Naphthalene	ND			
LCS1	n-Butylbenzene	4	4.12	103.0	(70.00 - 130.00)

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Foster Wheeler Environmental, Inc
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MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	3.64	91.0	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.34	108.5	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.80	95.0	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.12	103.0	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	3.80	95.0	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	3.80	95.0	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.39	109.7	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	115	115.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	111	111.0		
MS	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	0.00
LCS1	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	100	100.0		
MS	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	106	106.0	(91.00 - 107.00)	4.8
LCS1	4-Bromofluorobenzene	100	94	94.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	88	88.0		
MS	4-Bromofluorobenzene	100	97	97.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	101	101.0	(82.00 - 119.00)	4.0
LCS1	trans-1,2-Dichloroethylene	4	4.25	106.2	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	3.72	93.0	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.23	105.8	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.08	102.0	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.35	108.7	(70.00 - 130.00)	6.4
LCS1	Trichlorotrifluoroethane (Freon	2	2.36	118.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon	ND				

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Foster Wheeler Environmental, Inc
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MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.15	103.8	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.09	102.2	(70.00 - 130.00)	
MSD	Toluene	4	4.35	108.7	(70.00 - 130.00)	6.2
LCS1	Vinyl chloride (VC)	2	2.34	117.0	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #106409

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	3.84	96.0	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.95	98.8	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.12	103.0	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.75	93.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.98	99.5	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.73	93.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	4.10	102.5	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	4.59	114.8	(70.00 - 130.00)	11
LCS1	1,1-Dichloropropene	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	3.76	94.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	4.08	102.0	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.91	97.8	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.51	112.8	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.64	91.0	(75.00 - 130.00)	

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 (continued)

MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.99	99.8	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.59	114.8	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	4	3.72	93.0	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	8	7.78	97.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.49	112.2	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	4.08	102.0	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	34.0	85.0	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.50	112.5	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.57	114.2	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	35.7	89.2	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1911290073		(0.00 - 0.00)	
LCS1	Benzene	4	4.07	101.8	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.14	103.5	(70.00 - 130.00)	
MSD	Benzene	4	4.41	110.2	(70.00 - 130.00)	6.3
LCS1	Bromobenzene	4	4.49	112.2	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.07	103.5	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.07	101.8	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.03	100.8	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.01	100.2	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.38	109.5	(70.00 - 130.00)	8.8
LCS1	Carbon Tetrachloride	4	3.96	99.0	(70.00 - 130.00)	

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 (continued)

MBLK	Carbon Tetrachloride	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	Bromoform	4	3.87	96.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
LCS1	Chloroform (Trichloromethane)	4	3.87	96.8	(74.00 - 124.00)
MBLK	Chloroform (Trichloromethane)	ND			
LCS1	Bromochloromethane	4	3.99	99.8	(70.00 - 130.00)
MBLK	Bromochloromethane	ND			
LCS1	Chloroethane	2	2.06	103.0	(70.00 - 130.00)
MBLK	Chloroethane	ND			
LCS1	Chloromethane (Methyl Chloride)	2	1.95	97.5	(70.00 - 130.00)
MBLK	Chloromethane (Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	4	3.85	96.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
LCS1	Dibromomethane	4	3.75	93.8	(70.00 - 130.00)
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	4	3.84	96.0	(70.00 - 116.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	4	3.30	82.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.07	101.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Dichlorodifluoromethane	2	1.99	99.5	(70.00 - 130.00)
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.79	89.5	(71.00 - 118.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
LCS1	Hexachlorobutadiene	4	4.15	103.8	(70.00 - 130.00)
MBLK	Hexachlorobutadiene	ND			
LCS1	Isopropylbenzene	4	4.56	114.0	(70.00 - 130.00)
MBLK	Isopropylbenzene	ND			
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.54	113.5	(70.00 - 130.00)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	8	8.13	101.6	(74.00 - 116.00)
MBLK	m,p-Xylenes	ND			
LCS1	Naphthalene	4	3.63	90.8	(70.00 - 130.00)
MBLK	Naphthalene	ND			
LCS1	n-Butylbenzene	4	4.13	103.2	(70.00 - 130.00)

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



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Laboratory
 QC Report
 #60413

Foster Wheeler Environmental, Inc
 (continued)

MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	4.68	117.0	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.03	100.8	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.00	100.0	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.09	102.2	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	4.61	115.3	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	4.61	115.3	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.04	101.0	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	91	91.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	98	98.0		
MS	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	0.00
LCS1	Toluene-d8	100	100	100.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	97	97.0		
MS	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	106	106.0	(91.00 - 107.00)	4.8
LCS1	4-Bromofluorobenzene	100	106	106.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	85	85.0		
MS	4-Bromofluorobenzene	100	97	97.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	101	101.0	(82.00 - 119.00)	4.0
LCS1	trans-1,2-Dichloroethylene	4	4.02	100.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.56	114.0	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.06	101.5	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.08	102.0	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.35	108.7	(70.00 - 130.00)	6.4
LCS1	Trichlorotrifluoroethane (Freon)	2	1.96	98.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				

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Laboratory
 QC Report
 #60413

Foster Wheeler Environmental, Inc
 (continued)

MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.06	101.5	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.09	102.2	(70.00 - 130.00)	
MSD	Toluene	4	4.35	108.7	(70.00 - 130.00)	6.2
LCS1	Vinyl chloride (VC)	2	1.90	95.0	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #106596

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	11290073		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	100	100.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	98	98.0	(85.00 - 115.00)	2.0
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	98	98.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	96	96.0	(77.00 - 119.00)	2.1

QC Batch #107284

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	11300336		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	20.2	101.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	20.1	100.5	(90.00 - 110.00)	0.50
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	20.3	101.5	(75.00 - 125.00)	
MSD	Perchlorate	20.0	20.3	101.5	(75.00 - 125.00)	0.00

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

Quality Environmental Analysis

A division of Montgomery Watson Americas, Inc.
December 21, 1999
Revised February 1, 2000

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

Attention: Mark Cutler

Report # 60490 (MW-994-092, MW-994-093, MW-994-024,
MW-994-023, MW-994-022, MW-994-021, MW-994-020)

Sampled 12/1/99

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. Revisions are detailed under TIC's. A detailed quality control (QC) summary follows:

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

The LCS recoveries for all compounds are within the method and QAPP limits. Results are reported without qualification.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

None

Comments:

Carbon Tetrachloride was detected in MW-994-022

Chloroform was detected in MW-994-093, 023, 022, and 021

TIC'S:

None

Method Variation:

TIC's are reported only if the final report is >0.5 ug/L.

Additional Comments:

None

Sincerely,

Debbie Frank
Project Manager

CC: Judy Novelly (JPL)

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Fax: 626 568 6324

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

Northern California Service Center
1340 Treat Boulevard - Suite 300
Walnut Creek, California 94596
Tel: 925 274 2322
Fax: 925 945 1760

Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
Tel: 949 222 1845
Fax: 949 222 1849



60490

FOSTER WHEELER ENVIRONMENTAL CORPORATION

TEMP 5°C
REC 1 COOK

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

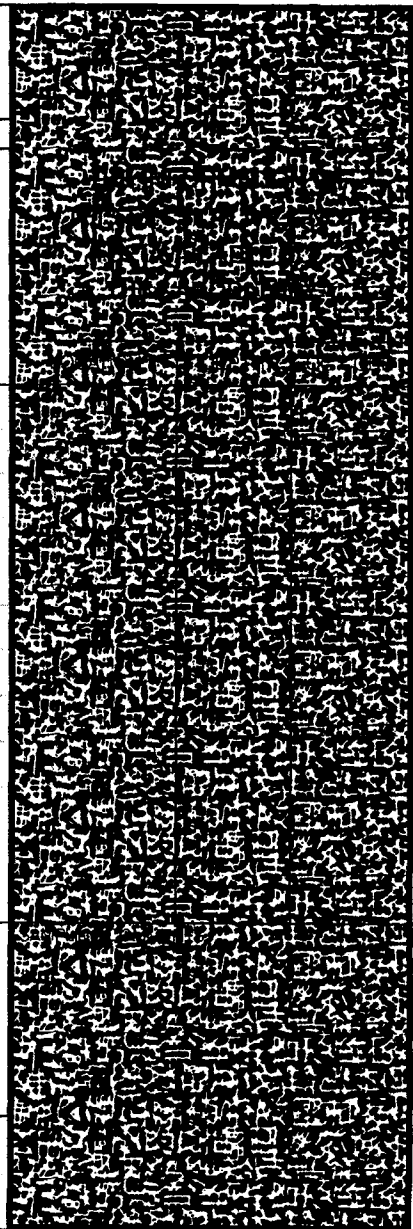
PROJECT JPL	OFS NO. 1572-0297	HAZARD IDENTIFICATION Non Hazard <input checked="" type="checkbox"/> Reactive <input type="checkbox"/> Flammable <input type="checkbox"/> Toxic <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Infectious <input type="checkbox"/>	TIME REQUIRED NORMAL <input checked="" type="checkbox"/> _____ DAYS RUSH <input type="checkbox"/> _____ DAYS
PROJECT ADDRESS 4500 OAK GROVE DR, PASADENA CA			

SAMPLER (Name) TANIA TURPIAN-KUNSTER	SAMPLER (Signature) <i>Tania Turpian-Kunster</i>	ANALYSES REQUIRED	
LABORATORY MONTGOMERY WATSON (LAB)			
REPORTS TO BE SENT TO MR. MARK CARRON			

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOLs (524.2)	CYTOTOX	Cyt	C100-	MS FOR VOLs	MSD FOR VOLs	MS/MSD For Cyt	QC For Cyt
					WATER	SOIL	OTHER (Describe)								
MW-994-092	0940	12-1-99	2	2x40ml	X			X							
MW-994-093	1010	}	5	2x40ml 3x125ml	X			X	X	X					
MW-994-024	1130		5	2x40ml 3x125ml	X			X	X	X					
MW-994-023	1225		5	2x40ml 4x125ml	X			X	X	X					
MW-994-022	1315		5	2x40ml 3x125ml	X			X	X	X				X	
MW-994-021	1400		5	2x40ml 2x125ml, 1x125ml	X			X	X	X			X		
MW-994-021MS	1400		2	2x40ml	X							X			
MW-994-021MSD	1400		2	2x40ml	X							X			
MW-994-020	1435		5	2x40ml 3x125ml	X			X	X	X	Y				

LABORATORY INSTRUCTIONS/COMMENTS
LEVEL IV QA/QC

RELINQUISHED BY (Signature) <i>Tania Turpian-Kunster</i>	DATE 12-2-99	RECEIVED BY (Signature) <i>[Signature]</i>	RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)
COMPANY FOSTER WHEELER	TIME 1537	COMPANY [Signature]	COMPANY	TIME	COMPANY




MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: FOSTER WHEELER DATE RECEIVED: 12-1-99

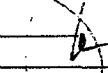
Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 12-1-99
By (print) M. DE MESA (sign) 

- 1. Did cooler come with shipping slip (air bill, etc.)? Yes No
If yes, attach and enter carrier and air bill number here: DELIVERED BY CLIENT
- 2. Were custody seals on outside of cooler? Yes No
If yes, how many and where: 1 OUTSIDE LID
If yes, enter the following: seal date: 12-1-99 seal name: TTK
- 3. Were custody seals unbroken and intact at delivery? Yes No
- 4. Were custody papers sealed in bag and taped to lid? Yes No
- 5. Were custody papers filled out properly (ink, etc.)? Yes No
- 6. Did you sign custody papers in appropriate place? Yes No
- 7. Was project identifiable from custody papers? Yes No
- 8. Have designated person(s) initial and acknowledge receipt: MLD date: 12-1-99

B. LOGIN PHASE

Date samples were logged in: 12-2-99
By (print) M. DE MESA (sign) 

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



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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

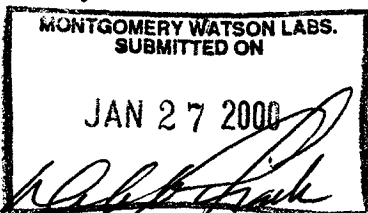
Suite 800

Costa Mesa , CA 92626

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

REVISED

W. Frank TICS



DEB* Debbie Frank

Report#: 60490
JPL



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Laboratory
 Report
 #60490

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

Samples Received
 01-dec-1999 12:53:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-092 (1912020024)				Sampled on 12/01/99				
Regulated VOCs plus Lists 1&3								
12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	



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**Laboratory
 Report
 #60490**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(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	103	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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**Laboratory
 Report
 #60490**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-093 (1912020025)				Sampled on 12/01/99				
	12/17/99	107286	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/01/99	106735	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60490**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.0	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(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	90	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-024 (1912020026)				Sampled on 12/01/99				
	12/17/99	107286	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/01/99	106735	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/07/99	106644		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-023 (1912020027)				Sampled on 12/01/99				
	12/17/99	107286	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/01/99	106735	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1	
12/07/99	106644	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1	
		(EPA 524.2)	None Detected	ND			1	
		(Surrogate)	1,2-Dichloroethane-d4	108	% Rec			
		(Surrogate)	4-Bromofluorobenzene	92	% Rec			
		(Surrogate)	Toluene-d8	101	% Rec			



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**Laboratory
 Report
 #60490**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-022 (1912020028)				Sampled on 12/01/99				
	12/17/99	107286	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/01/99	106735	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	0.9	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(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	117	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
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 #60490**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-021 (1912020029)				Sampled on 12/01/99				
	12/17/99	107286	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/01/99	106735	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	116	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-020 (1912020030)				Sampled on 12/01/99				
	12/17/99	107286	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/01/99	106735	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/07/99	106644		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		



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Laboratory
 QC Report
 #60490

Foster Wheeler Environmental, Inc

QC Batch #106644

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.10	102.5	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.20	105.0	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.87	96.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.27	106.7	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.10	102.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	3.23	80.8	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	3.86	96.5	(70.00 - 130.00)	18
LCS1	1,1-Dichloropropene	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	4.29	107.2	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	4.26	106.5	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.39	109.7	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.06	101.5	(75.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.34	108.5	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.63	115.8	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.93	99.1	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.40	110.0	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	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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**Laboratory
 QC Report
 #60490**

Foster Wheeler Environmental, Inc
 (continued)

MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	40.4	101.0	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.41	110.2	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.43	110.8	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	40.2	100.5	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1912020029		(0.00 - 0.00)	
LCS1	Benzene	4	4.34	108.5	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.27	106.7	(70.00 - 130.00)	
MSD	Benzene	4	4.27	106.7	(70.00 - 130.00)	0.00
LCS1	Bromobenzene	4	4.33	108.2	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.40	120.0	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.40	110.0	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.25	106.2	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	0.00
LCS1	Carbon Tetrachloride	4	3.93	98.2	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	4	3.63	90.8	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	4	4.34	108.5	(74.00 - 124.00)	
MBLK	Chloroform (Trichloromethane)	ND				
LCS1	Bromochloromethane	4	4.17	104.2	(70.00 - 130.00)	
MBLK	Bromochloromethane	ND				
LCS1	Chloroethane	2	2.02	101.0	(70.00 - 130.00)	
MBLK	Chloroethane	ND				
LCS1	Chloromethane (Methyl Chloride)	2	2.18	109.0	(70.00 - 130.00)	

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

MBLK	Chloromethane (Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	4	3.92	98.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
LCS1	Dibromomethane	4	4.22	105.5	(70.00 - 130.00)
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	4	3.99	99.8	(70.00 - 116.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	4	4.04	101.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.22	105.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Dichlorodifluoromethane	2	1.85	92.5	(70.00 - 130.00)
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrichloromethane-Freon11	2	1.98	99.0	(71.00 - 118.00)
MBLK	Fluorotrichloromethane-Freon11	ND			
LCS1	Hexachlorobutadiene	4	4.54	113.5	(70.00 - 130.00)
MBLK	Hexachlorobutadiene	ND			
LCS1	Isopropylbenzene	4	4.58	114.5	(70.00 - 130.00)
MBLK	Isopropylbenzene	ND			
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.39	109.7	(70.00 - 130.00)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	8	8.71	108.9	(74.00 - 116.00)
MBLK	m,p-Xylenes	ND			
LCS1	Naphthalene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Naphthalene	ND			
LCS1	n-Butylbenzene	4	4.47	111.8	(70.00 - 130.00)
MBLK	n-Butylbenzene	ND			
LCS1	n-Propylbenzene	4	4.62	115.5	(70.00 - 130.00)
MBLK	n-Propylbenzene	ND			
LCS1	o-Xylene	4	4.28	107.0	(72.00 - 118.00)
MBLK	o-Xylene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.13	103.2	(76.00 - 114.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.14	103.5	(71.00 - 115.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	p-Isopropyltoluene	4	4.49	112.2	(70.00 - 130.00)
MBLK	p-Isopropyltoluene	ND			

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**Laboratory
 QC Report
 #60490**

Foster Wheeler Environmental, Inc
 (continued)

LCS1	sec-Butylbenzene	4	4.52	113.0	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.37	109.2	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	100	100.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	103	103.0		
MS	1,2-dichloroethane-d4	100	110	110.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 127.00)	3.7
LCS1	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	98	98.0		
MS	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	99	99.0	(91.00 - 107.00)	2.0
LCS1	4-Bromofluorobenzene	100	102	102.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	91	91.0		
MS	4-Bromofluorobenzene	100	102	102.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	98	98.0	(82.00 - 119.00)	4.0
LCS1	trans-1,2-Dichloroethylene	4	4.42	110.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.44	111.0	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.25	106.2	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.21	105.2	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.18	104.5	(70.00 - 130.00)	0.72
LCS1	Trichlorotrifluoroethane (Freon)	2	1.94	97.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.31	107.7	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.29	107.2	(70.00 - 130.00)	
MSD	Toluene	4	4.23	105.8	(70.00 - 130.00)	1.4
LCS1	Vinyl chloride (VC)	2	2.13	106.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

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Laboratory
 QC Report
 #60490

Foster Wheeler Environmental, Inc
 (continued)

QC Batch #106735

Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	12020028		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.045	90.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.046	92.0	(80.00 - 120.00)	2.2

QC Batch #107140

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	12020029		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	95	95.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97	97.0	(85.00 - 115.00)	2.1
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	110	110.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	108	108.0	(77.00 - 119.00)	1.8

QC Batch #107286

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	12020030		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	20.7	103.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	21.8	109.0	(90.00 - 110.00)	5.2
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	21.8	109.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	22.6	113.0	(75.00 - 125.00)	3.6

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



MONTGOMERY WATSON LABORATORIES

Quality Environmental Analysis

A division of Montgomery Watson Americas, Inc.
December 23, 1999
Revised: February 1, 2000

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

Attention: Mark Cutler

Report # 60542 (MW-994-030, MW-994-094, MW-994-095, MW-994-029, MW-994-028, MW-994-027, MW-994-026, MW-994025)

Sampled 12/2/99

Dear Mark,

Enclosed please find revised data deliverables for the recent JPL project. Revisions are detailed under TIC's. A detailed quality control (QC) summary follows:

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

The LCS recoveries for all compounds are within the method and QAPP limits.

Samples requiring dilution (with increased MRL's):

MW-994-028 was diluted for Carbon Tetrachloride, which was above the linear range.

Method blanks with compounds detected:

None

Comments:

Perchlorate was detected in MW-994-028 and 029

Chloroform was detected in MW-994-030, 095

Carbon Tetrachloride was detected in MW-994-030, 029, 028, and 027

TIC's:

None

Method Variation:

TIC's are only reported if the final result is >0.5 ug/L.

Additional Comments:

The date analyzed for the undiluted compounds in MW-994-028 is revised from the original date analyzed of 12/08/99 to that of the undiluted run on 12/07/99. Carbon Tetrachloride, only, is reported from the 12/08/99 diluted run for MW-994-028.

Sincerely,

Debbie Frank
Project Manager

CC: Judy Novelly (JPL)

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Fax: 925 945 1760

Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
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FOSTER WHEELER ENVIRONMENTAL CORPORATION

60542

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

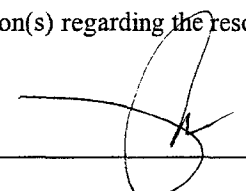
PROJECT JPL		OFS NO. 1572.0294		HAZARD IDENTIFICATION			TIME REQUIRED													
PROJECT ADDRESS 4800 OAK GROVE DR, PASADENA CA				Non Hazard <input checked="" type="checkbox"/> Reactive <input type="checkbox"/>			NORMAL <input checked="" type="checkbox"/> _____ DAYS													
SAMPLER (Name) Tania Tupin-Krasler				SAMPLER (Signature) <i>Tania Tupin-Krasler</i>			Flammable <input type="checkbox"/> Toxic <input type="checkbox"/>													
LABORATORY MONTGOMERY WATSON LABS				RUSH <input type="checkbox"/> _____ DAYS			ANALYSES REQUIRED													
REPORTS TO BE SENT TO Mr Mack Cutler				VOCs (52117)			Ck EDT													
				Ck T			C100-													
				QC Form Case																
SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOCs (52117)	Ck EDT	Ck T	C100-	QC Form Case								
					WATER	SOIL	OTHER (Describe)													
MW-994-030	0830	12-2-99	5	2x10ml 3x125ml	Y			X	X	X	X									
MW-994-074	0915	}	2	2x10ml	Y			X												
MW-994-075	0930		5	3x125ml 2x10ml	Y			X	X	X	Y									
MW-994-077	1030		5	3x125ml 2x10ml	X			X	X	Y	Y									
MW-994-028	1120		5	2x10ml 3x125ml	X			X	X	X	X	X								
MW-994-079	1255		5	2x40ml 3x125ml	Y			X	X	X	Y									
MW-994-026	1315		5	2x10ml 3x125ml	X			X	X	X	Y									
MW-994-025	1415		5	2x40ml 3x125ml	X			X	X	X	Y									
LABORATORY INSTRUCTIONS/COMMENTS Level IV QA/QC																				
RELINQUISHED BY (Signature) <i>Tania Tupin-Krasler</i>		DATE 12-2-99	RECEIVED BY (Signature) <i>AC</i>		RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)												
COMPANY FOSTER WHEELER		TIME 1530	COMPANY FW		COMPANY		TIME	COMPANY												

MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: FOSTER WHEELER DATE RECEIVED: 12-2-99

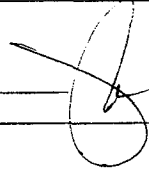
Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 12-2-99
By (print) M. DE MESA (sign) 

1. Did cooler come with shipping slip (air bill, etc.)? Yes No
If yes, attach and enter carrier and air bill number here: DEL. BY CLIENT
2. Were custody seals on outside of cooler? Yes No
If yes, how many and where: 1 OUTSIDE LID
If yes, enter the following: seal date: 12-2-99 seal name: TK
3. Were custody seals unbroken and intact at delivery? Yes No
4. Were custody papers sealed in bag and taped to lid? Yes No
5. Were custody papers filled out properly (ink, etc.)? Yes No
6. Did you sign custody papers in appropriate place? Yes No
7. Was project identifiable from custody papers? Yes No
8. Have designated person(s) initial and acknowledge receipt: MLD date: 12-2-99

B. LOGIN PHASE

Date samples were logged in: 12-2-99
By (print) M. DE MESA (sign) 

9. Describe packing: _____
10. If required, was enough ice used? Yes No REG ICE OK TEMP 5°C
11. Were all bottles sealed in separate plastic bags? Yes No
12. Did all bottles arrive unbroken and in good condition? Yes No
13. Were all bottle labels complete (ID, date, sign, preservative)?
14. Did all bottle labels agree with custody papers? If no, list on back. Yes No
15. Were correct containers used for the analytes? Yes No
16. Were correct preservatives used when required? Yes No
17. Was sufficient amount of sample sent for tests? Yes No
18. Bubbles absent in VOA vials? If no, list by sample ID on back. Yes No
19. Was Client Services informed of problems? Yes No



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555 East Walnut Street

Pasadena, California 91101

Tel: 626 568 6400 Fax: 626 568 6324

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

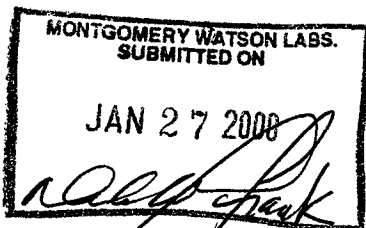
Suite 800

Costa Mesa , CA 92626

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

REVISED

TICs & MW-994-028CHCl₃



DEB* Debbie Frank

Report#: 60542
JPL



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**Laboratory
 Report
 #60542**

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

Samples Received
 02-dec-1999 17:16:06

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-030 (1912020195)				Sampled on 12/02/99				
	12/17/99	107404	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/03/99	106739	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Laboratory
 Report
 #60542

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	1.4	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/07/99	12/07/99	106644	(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		



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**Laboratory
 Report
 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
MW-994-094 (1912020196) Sampled on 12/02/99								
Regulated VOCs plus Lists 1&3								
12/07/99	106644		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
12/07/99	106644		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
12/07/99	106644		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
12/07/99	106644		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(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	98	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-095 (1912020197)				Sampled on 12/02/99				
	12/18/99	107405	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/03/99	106739	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
 Report
 #60542

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.0	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	0.5	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/ES24.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	90	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
 Report
 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-029 (1912020198)				Sampled on 12/02/99				
	12/18/99	107405	(MOD/EPA 300)	Perchlorate	8.5	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/03/99	106739	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/08/99	106868	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/08/99	106868	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/08/99	106868	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Carbon Tetrachloride	3.9	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
12/08/99	106868		(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
12/08/99	106868		(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
12/08/99	106868		(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	87	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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**Laboratory
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 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-028 (1912020199)				Sampled on 12/02/99				
	12/18/99	107405	(MOD/EPA 300)	Perchlorate	8.5	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/03/99	106739	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106868	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106868	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106868	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Carbon Tetrachloride	23	ug/l	1.0	2
	12/07/99	106868	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106868	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.4	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106868	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		



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**Laboratory
 Report
 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-027 (1912020200)				Sampled on 12/02/99				
	12/18/99	107405	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/03/99	106739	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/08/99	106868	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/08/99	106868	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/08/99	106868	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Carbon Tetrachloride	0.5	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
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 #60542

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/08/99	106868	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106868	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/08/99	106868	(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	96	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		



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**Laboratory
 Report
 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-026 (1912020201)				Sampled on 12/02/99				
	12/18/99	107405	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAF/MS	ND	ug/l	10	1
	12/03/99	106739	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
 Report
 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(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	98	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		



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**Laboratory
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 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-025 (1912020202)				Sampled on 12/02/99				
	12/18/99	107405	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/03/99	106739	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/07/99	106644	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/07/99	106644	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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**Laboratory
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 #60542**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/07/99	106644	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/07/99	106644	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/07/99	106644	(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	117	% Rec		
			(Surrogate)	4-Bromofluorobenzene	91	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		



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Laboratory
 QC Report
 #60542

Foster Wheeler Environmental, Inc

QC Batch #106644

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.10	102.5	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.20	105.0	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.87	96.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.27	106.7	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.10	102.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	3.23	80.8	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	3.86	96.5	(70.00 - 130.00)	18
LCS1	1,1-Dichloropropene	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	4.29	107.2	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	4.26	106.5	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.39	109.7	(76.00 - 114.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.06	101.5	(75.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.34	108.5	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.63	115.8	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.93	99.1	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.40	110.0	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	4.21	105.2	(70.00 - 130.00)	

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MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	40.4	101.0	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	4.41	110.2	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	4.43	110.8	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	40.2	100.5	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1912020029		(0.00 - 0.00)	
LCS1	Benzene	4	4.34	108.5	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.27	106.7	(70.00 - 130.00)	
MSD	Benzene	4	4.27	106.7	(70.00 - 130.00)	0.00
LCS1	Bromobenzene	4	4.33	108.2	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.40	120.0	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.40	110.0	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.25	106.2	(70.00 - 117.00)	
MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	0.00
LCS1	Carbon Tetrachloride	4	3.93	98.2	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	4	3.63	90.8	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	4	4.34	108.5	(74.00 - 124.00)	
MBLK	Chloroform (Trichloromethane)	ND				
LCS1	Bromochloromethane	4	4.17	104.2	(70.00 - 130.00)	
MBLK	Bromochloromethane	ND				
LCS1	Chloroethane	2	2.02	101.0	(70.00 - 130.00)	
MBLK	Chloroethane	ND				
LCS1	Chloromethane (Methyl Chloride)	2	2.18	109.0	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
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MBLK	Chloromethane (Methyl Chloride)	ND			
LCS1	Chlorodibromomethane	4	3.92	98.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
LCS1	Dibromomethane	4	4.22	105.5	(70.00 - 130.00)
MBLK	Dibromomethane	ND			
LCS1	Bromodichloromethane	4	3.99	99.8	(70.00 - 116.00)
MBLK	Bromodichloromethane	ND			
LCS1	Dichloromethane	4	4.04	101.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.22	105.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Dichlorodifluoromethane	2	1.85	92.5	(70.00 - 130.00)
MBLK	Dichlorodifluoromethane	ND			
LCS1	Fluorotrchloromethane-Freon11	2	1.98	99.0	(71.00 - 118.00)
MBLK	Fluorotrchloromethane-Freon11	ND			
LCS1	Hexachlorobutadiene	4	4.54	113.5	(70.00 - 130.00)
MBLK	Hexachlorobutadiene	ND			
LCS1	Isopropylbenzene	4	4.58	114.5	(70.00 - 130.00)
MBLK	Isopropylbenzene	ND			
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.39	109.7	(70.00 - 130.00)
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
LCS1	m,p-Xylenes	8	8.71	108.9	(74.00 - 116.00)
MBLK	m,p-Xylenes	ND			
LCS1	Naphthalene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Naphthalene	ND			
LCS1	n-Butylbenzene	4	4.47	111.8	(70.00 - 130.00)
MBLK	n-Butylbenzene	ND			
LCS1	n-Propylbenzene	4	4.62	115.5	(70.00 - 130.00)
MBLK	n-Propylbenzene	ND			
LCS1	o-Xylene	4	4.28	107.0	(72.00 - 118.00)
MBLK	o-Xylene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.13	103.2	(76.00 - 114.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.14	103.5	(71.00 - 115.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	p-Isopropyltoluene	4	4.49	112.2	(70.00 - 130.00)
MBLK	p-Isopropyltoluene	ND			

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Foster Wheeler Environmental, Inc
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LCS1	sec-Butylbenzene	4	4.52	113.0	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.37	109.2	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	100	100.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	103	103.0		
MS	1,2-dichloroethane-d4	100	110	110.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 127.00)	3.7
LCS1	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	98	98.0		
MS	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	99	99.0	(91.00 - 107.00)	2.0
LCS1	4-Bromofluorobenzene	100	102	102.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	91	91.0		
MS	4-Bromofluorobenzene	100	102	102.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	98	98.0	(82.00 - 119.00)	4.0
LCS1	trans-1,2-Dichloroethylene	4	4.42	110.5	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	4.44	111.0	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.25	106.2	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				
MS	Trichloroethylene (TCE)	4	4.21	105.2	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.18	104.5	(70.00 - 130.00)	0.72
LCS1	Trichlorotrifluoroethane (Freon	2	1.94	97.0	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.31	107.7	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.29	107.2	(70.00 - 130.00)	
MSD	Toluene	4	4.23	105.8	(70.00 - 130.00)	1.4
LCS1	Vinyl chloride (VC)	2	2.13	106.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

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Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

QC Batch #106739

Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	12020199		(0.00 - 0.00)	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.049	98.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium (Cr VI)	ND				
MS	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	
MSD	Hexavalent chromium (Cr VI)	0.050	0.050	100.0	(80.00 - 120.00)	0.00

QC Batch #106868

Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	1,1,1,2-Tetrachloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.06	101.5	(76.00 - 116.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.89	97.2	(72.00 - 117.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.11	102.8	(71.00 - 116.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.43	110.8	(71.00 - 125.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.01	100.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MS	1,1-Dichloroethylene	4	3.23	80.8	(70.00 - 130.00)	
MSD	1,1-Dichloroethylene	4	3.86	96.5	(70.00 - 130.00)	18
LCS1	1,1-Dichloropropene	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,1-Dichloropropene	ND				
LCS1	1,2,3-Trichlorobenzene	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,2,3-Trichlorobenzene	ND				
LCS1	1,2,3-Trichloropropane	4	3.97	99.2	(70.00 - 130.00)	
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.16	104.0	(76.00 - 114.00)	

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MBLK	1,2,4-Trichlorobenzene	ND				
LCS1	1,2,4-Trimethylbenzene	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.30	107.5	(75.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.17	104.2	(77.00 - 122.00)	
MBLK	1,2-Dichloropropane	ND				
LCS1	1,3,5-Trimethylbenzene	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.02	100.2	(70.00 - 130.00)	
LCS1	1,3-Dichloropropane	4	4.13	103.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.08	102.0	(77.00 - 113.00)	
MBLK	p-Dichlorobenzene (1,4-DCB)	ND				
LCS1	2,2-Dichloropropane	4	4.12	103.0	(70.00 - 130.00)	
MBLK	2,2-Dichloropropane	ND				
LCS1	2-Butanone (MEK)	40	40.8	102.0	(70.00 - 130.00)	
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
LCS1	o-Chlorotoluene	4	3.85	96.2	(70.00 - 130.00)	
MBLK	o-Chlorotoluene	ND				
LCS1	p-Chlorotoluene	4	3.97	99.2	(70.00 - 130.00)	
MBLK	p-Chlorotoluene	ND				
LCS1	4-Methyl-2-Pentanone (MIBK)	40	41.3	103.2	(70.00 - 130.00)	
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
MS	Spiked sample	Lab # 99	1912020029		(0.00 - 0.00)	
LCS1	Benzene	4	4.15	103.8	(76.00 - 122.00)	
MBLK	Benzene	ND				
MS	Benzene	4	4.27	106.7	(70.00 - 130.00)	
MSD	Benzene	4	4.27	106.7	(70.00 - 130.00)	0.00
LCS1	Bromobenzene	4	3.93	98.2	(70.00 - 130.00)	
MBLK	Bromobenzene	ND				
LCS1	Bromomethane (Methyl Bromide)	2	2.14	107.0	(70.00 - 130.00)	
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	cis-1,2-Dichloroethylene	4	4.43	110.8	(75.00 - 124.00)	
MBLK	cis-1,2-Dichloroethylene	ND				
LCS1	Chlorobenzene	4	4.17	104.2	(70.00 - 117.00)	

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Chlorobenzene	ND				
MS	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	
MSD	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)	0.00
LCS1	Carbon Tetrachloride	4	4.08	102.0	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
MBLK	cis-1,3-Dichloropropene	ND				
LCS1	Bromoform	4	3.74	93.5	(70.00 - 130.00)	
MBLK	Bromoform	ND				
LCS1	Chloroform (Trichloromethane)	4	4.47	111.8	(74.00 - 124.00)	
MBLK	Chloroform (Trichloromethane)	ND				
LCS1	Bromochloromethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	Bromochloromethane	ND				
LCS1	Chloroethane	2	1.96	98.0	(70.00 - 130.00)	
MBLK	Chloroethane	ND				
LCS1	Chloromethane (Methyl Chloride)	2	1.93	96.5	(70.00 - 130.00)	
MBLK	Chloromethane (Methyl Chloride)	ND				
LCS1	Chlorodibromomethane	4	4.00	100.0	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
LCS1	Dibromomethane	4	4.60	115.0	(70.00 - 130.00)	
MBLK	Dibromomethane	ND				
LCS1	Bromodichloromethane	4	4.11	102.8	(70.00 - 116.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Dichloromethane	4	3.65	91.2	(70.00 - 130.00)	
MBLK	Dichloromethane	ND				
LCS1	Ethyl benzene	4	4.15	103.8	(70.00 - 130.00)	
MBLK	Ethyl benzene	ND				
LCS1	Dichlorodifluoromethane	2	2.05	102.5	(70.00 - 130.00)	
MBLK	Dichlorodifluoromethane	ND				
LCS1	Fluorotrichloromethane-Freon11	2	2.15	107.5	(71.00 - 118.00)	
MBLK	Fluorotrichloromethane-Freon11	ND				
LCS1	Hexachlorobutadiene	4	4.12	103.0	(70.00 - 130.00)	
MBLK	Hexachlorobutadiene	ND				
LCS1	Isopropylbenzene	4	4.00	100.0	(70.00 - 130.00)	
MBLK	Isopropylbenzene	ND				
LCS1	m-Dichlorobenzene (1,3-DCB)	4	4.08	102.0	(70.00 - 130.00)	
MBLK	m-Dichlorobenzene (1,3-DCB)	ND				
LCS1	m,p-Xylenes	8	8.42	105.2	(74.00 - 116.00)	

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

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Laboratory
 QC Report
 #60542

Foster Wheeler Environmental, Inc
 (continued)

MBLK	m,p-Xylenes	ND				
LCS1	Naphthalene	4	3.99	99.8	(70.00 - 130.00)	
MBLK	Naphthalene	ND				
LCS1	n-Butylbenzene	4	4.18	104.5	(70.00 - 130.00)	
MBLK	n-Butylbenzene	ND				
LCS1	n-Propylbenzene	4	4.05	101.2	(70.00 - 130.00)	
MBLK	n-Propylbenzene	ND				
LCS1	o-Xylene	4	4.29	107.2	(72.00 - 118.00)	
MBLK	o-Xylene	ND				
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.02	100.5	(76.00 - 114.00)	
MBLK	o-Dichlorobenzene (1,2-DCB)	ND				
LCS1	Tetrachloroethylene (PCE)	4	4.05	101.2	(71.00 - 115.00)	
MBLK	Tetrachloroethylene (PCE)	ND				
LCS1	p-Isopropyltoluene	4	3.99	99.8	(70.00 - 130.00)	
MBLK	p-Isopropyltoluene	ND				
LCS1	sec-Butylbenzene	4	4.12	103.0	(70.00 - 130.00)	
MBLK	sec-Butylbenzene	ND				
LCS1	Styrene	4	4.38	109.5	(70.00 - 130.00)	
MBLK	Styrene	ND				
LCS1	1,2-dichloroethane-d4	100	112	112.0	(80.00 - 127.00)	
MBLK	1,2-dichloroethane-d4	100	95	95.0		
MS	1,2-dichloroethane-d4	100	110	110.0	(80.00 - 127.00)	
MSD	1,2-dichloroethane-d4	100	106	106.0	(80.00 - 127.00)	3.7
LCS1	Toluene-d8	100	99	99.0	(91.00 - 107.00)	
MBLK	Toluene-d8	100	100	100.0		
MS	Toluene-d8	100	101	101.0	(91.00 - 107.00)	
MSD	Toluene-d8	100	99	99.0	(91.00 - 107.00)	2.0
LCS1	4-Bromofluorobenzene	100	101	101.0	(82.00 - 119.00)	
MBLK	4-Bromofluorobenzene	100	106	106.0		
MS	4-Bromofluorobenzene	100	102	102.0	(82.00 - 119.00)	
MSD	4-Bromofluorobenzene	100	98	98.0	(82.00 - 119.00)	4.0
LCS1	trans-1,2-Dichloroethylene	4	4.45	111.2	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
LCS1	tert-Butylbenzene	4	3.95	98.8	(70.00 - 130.00)	
MBLK	tert-Butylbenzene	ND				
LCS1	Trichloroethylene (TCE)	4	4.18	104.5	(72.00 - 117.00)	
MBLK	Trichloroethylene (TCE)	ND				

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Foster Wheeler Environmental, Inc
 (continued)

MS	Trichloroethylene (TCE)	4	4.21	105.2	(70.00 - 130.00)	
MSD	Trichloroethylene (TCE)	4	4.18	104.5	(70.00 - 130.00)	0.72
LCS1	Trichlorotrifluoroethane (Freon)	2	1.99	99.5	(70.00 - 130.00)	
MBLK	Trichlorotrifluoroethane (Freon)	ND				
MBLK	trans-1,3-Dichloropropene	ND				
LCS1	Toluene	4	4.16	104.0	(74.00 - 117.00)	
MBLK	Toluene	ND				
MS	Toluene	4	4.29	107.2	(70.00 - 130.00)	
MSD	Toluene	4	4.23	105.8	(70.00 - 130.00)	1.4
LCS1	Vinyl chloride (VC)	2	2.01	100.5	(70.00 - 130.00)	
MBLK	Vinyl chloride (VC)	ND				

QC Batch #107140

Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 99	12020029		(0.00 - 0.00)	
LCS1	Chromium, Total, ICAP/MS	100	95	95.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	97	97.0	(85.00 - 115.00)	2.1
MBLK	Chromium, Total, ICAP/MS	ND				
MS	Chromium, Total, ICAP/MS	100	110	110.0	(77.00 - 119.00)	
MSD	Chromium, Total, ICAP/MS	100	108	108.0	(77.00 - 119.00)	1.8

QC Batch #107404

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	12020195		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	19.6	98.0	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	21.9	109.5	(90.00 - 110.00)	11
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.6	98.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.1	95.5	(75.00 - 125.00)	2.6

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Laboratory
 QC Report
 #60542

Foster Wheeler Environmental, Inc
 (continued)

QC Batch #107405

Perchlorate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 19	12020195		(0.00 - 0.00)	
LCS1	Perchlorate	20.0	21.9	109.5	(90.00 - 110.00)	
LCS2	Perchlorate	20.0	19.2	96.0	(90.00 - 110.00)	13
MBLK	Perchlorate	ND				
MS	Perchlorate	20.0	19.6	98.0	(75.00 - 125.00)	
MSD	Perchlorate	20.0	19.1	95.5	(75.00 - 125.00)	2.6

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

A division of Montgomery Watson Americas, Inc.
January 5, 2000
Revised February 1, 2000

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

Attention: Mark Cutler

Report # 60641 (MW-994-096, MW-994-012, MW-994-097, MW-994-011, MW-994-010, MW-994-009, MW-994-008, MW-994-007)

Sampled: 12/06/99

Dear Mark,

Enclosed please find data deliverables for the recent JPL project. Revisions are detailed under additional comments. 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

Comments:

1,1-Dichloroethane was detected in MW-994-009
Carbon Tetrachloride was detected in MW-994-009, -008
Chloroform was detected in MW-994-097, -009, -008
Tetrachloroethylene was detected in MW-994-009, -008
Trichloroethylene was detected in MW-994-009, -008
Perchlorate was detected in MW-994-009, -008

TIC'S:

An unknown at retention time 4.79 was detected in MW-994-010

Method Variation:

TIC's are reported only if the final result is >0.5 ug/L.

Additional Comments:

MW-994-008, MW-994-007 were associated with the incorrect Chromium prep batch QC. 107140 is the correct prep batch association.

Sincerely

Debbie Frank
Project Manager

CC: Judy Novelly (JPL)

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555 East Walnut Street
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Southwest Service Center
4820 South Mill Avenue - Suite 202
Tempe, Arizona 85282
Tel: 602 755 8201
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Northern California Service Center
1340 Treat Boulevard - Suite 300
Walnut Creek, California 94596
Tel: 925 274 2322
Fax: 925 945 1760

Southern California Service Center
30 Corporate Park - Suite 302
Irvine, California 92606
Tel: 949 222 1845
Fax: 949 222 1849



60641

FOSTER WHEELER ENVIRONMENTAL CORPORATION

CHAIN OF CUSTODY FORM REQUEST FOR ANALYSIS

PAGE 1 OF 1

PROJECT: JPL OFS NO: 1572.0294

HAZARD IDENTIFICATION: Non Hazard Reactive Flammable Toxic Skin Irritant Infectious

TIME REQUIRED: NORMAL DAYS RUSH DAYS

PROJECT ADDRESS: 4400 Oak Grove Dr., Pasadena, CA

SAMPLER (Name): Tina Turpin-Keaster SAMPLER (Signature): Tina Turpin-Keaster

LABORATORY: M. J. Harrison Lab

REPORTS TO BE SENT TO: M. J. Harrison

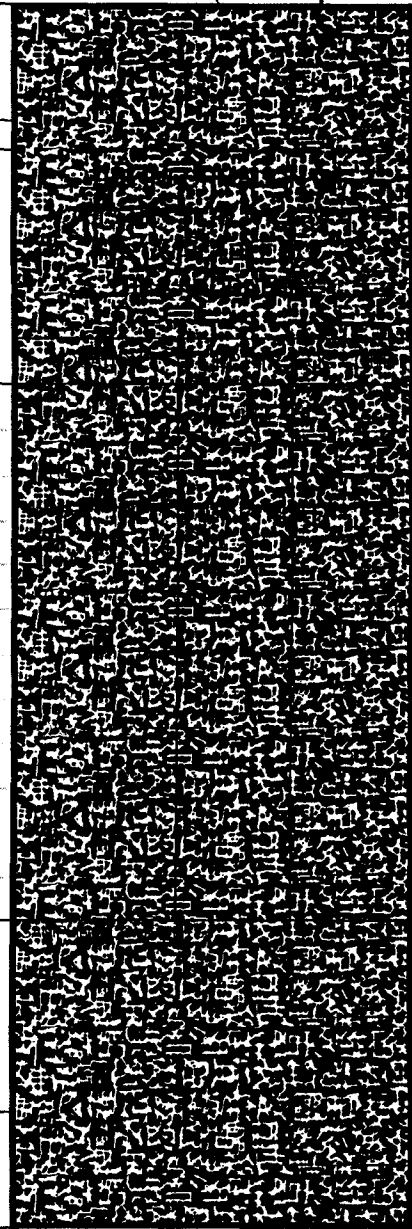
ANALYSES REQUIRED: VOCs (2,1,2), Cr, Pb, Cd, MSOM VOCs, MSD for VOCs, MSOM for VOCs, PCB

SAMPLE NUMBER	TIME COLLECTED	DATE COLLECTED	NUMBER OF CONTAINERS	CONTAINER SIZE(S)	SAMPLE MATERIAL			VOCs (2,1,2)	Cr	Pb	Cd	MSOM VOCs	MSD for VOCs	MSOM for VOCs	PCB
					WATER	SOIL	OTHER (Describe)								
MW-994-016	0920	12/6/73	2	2x40ml	X			X							
MW-994-012	0945	}	5	2x40ml 3x125ml	X			X	X	X	X				
MW-994-017	1010		5	2x40ml 3x125ml	X			X	X	X	X				
MW-994-011	1030		5	2x40ml 3x125ml	X			X	X	X	X				
MW-994-010	1120		5	2x10ml 2x125ml, 1x25ml	X			X	X	X	X		X		
MW-994-01045	1120		2	40ml	X							X			
MW-994-01045	1120		2	2x40ml	X							X	X		
MW-994-01041	1335		5	2x40ml 3x125ml	X			X	X	X	X				
MW-994-009	1355		5	2x40ml 3x125ml	X			X	X	X	X			X	
MW-994-007	1415	5	2x40ml 3x125ml	X			X	X	X	X					

LABORATORY INSTRUCTIONS/COMMENTS: LEVEL III QA/QC

RELINQUISHED BY (Signature): Tina Turpin-Keaster DATE: 12/6/73 COMPANY: Foster Wheeler

RECEIVED BY (Signature): [Signature] DATE: [Blank] COMPANY: [Blank]



MONTGOMERY WATSON COOLER RECEIPT FORM

PROJECT: FOSTER WHEELER

DATE RECEIVED: 12-6-99

Use back of form to note check-in problems and describe action(s) regarding the resolution(s) of problems.

A. PRELIMINARY EXAMINATION

Date Cooler opened: 12-6-99

By (print) MARTIN L. DE MESA (sign) [Signature]

- 1. Did cooler come with shipping slip (air bill, etc.)?
If yes, attach and enter carrier and air bill number here: DELIVERED BY CLIENT Yes No
- 2. Were custody seals on outside of cooler?
If yes, how many and where: 1 OUTSIDE LID Yes No
If yes, enter the following: seal date: 12-6-99 seal name: TTK
- 3. Were custody seals unbroken and intact at delivery? Yes No
- 4. Were custody papers sealed in bag and taped to lid? Yes No
- 5. Were custody papers filled out properly (ink, etc.)? Yes No
- 6. Did you sign custody papers in appropriate place? Yes No
- 7. Was project identifiable from custody papers? Yes No
- 8. Have designated person(s) initial and acknowledge receipt: MLD date: 12-6-99

B. LOGIN PHASE

Date samples were logged in: 12-6-99

By (print) M. DE MESA (sign) [Signature]

9. Describe packing: _____

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

REG ICE 3 BAGS
(TEMP 4°C)



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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

REVISED

Cr. QC batch Assoc.

MONTGOMERY WATSON LABS.
SUBMITTED ON
FEB 10 2000
DEB* Debbie Frank

Debbie Frank

Report#: 60641
JPL

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Laboratory
 Report
 #60641

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

Samples Received
 06-dec-1999 16:57:57

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-096 (1912060442)				Sampled on 12/06/99				
Regulated VOCs plus Lists 1&3								
12/08/99	106869		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
12/08/99	106869		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
12/08/99	106869		(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	cis-1,3-Dichloropropane	ND	ug/l	0.50	1
12/08/99	106869		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
 Report
 #60641

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/08/99	106869	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)) None Detected	ND			1
			(Surrogate)) 1,2-Dichloroethane-d4	115	% Rec		
			(Surrogate)) 4-Bromofluorobenzene	94	% Rec		
			(Surrogate)) Toluene-d8	97	% Rec		



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**Laboratory
 Report
 #60641**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-012 (1912060443)				Sampled on 12/06/99				
	12/20/99	107407	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/07/99	106416	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/08/99	106869	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/08/99	106869	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/08/99	106869	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Laboratory
 Report
 #60641

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/08/99	106869	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/08/99	106869	(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	120	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		



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**Laboratory
 Report
 #60641**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
MW-994-097 (1912060444)				Sampled on 12/06/99				
	12/20/99	107407	(MOD/EPA 300)	Perchlorate	ND	ug/l	4.0	1
12/15/99	12/16/99	107140	(EPA/ML 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	12/07/99	106416	(ML/SW 7196)	Hexavalent chromium (Cr VI)	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
	12/08/99	106869	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	12/08/99	106869	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	12/08/99	106869	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	12/08/99	106869	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.4	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	12/08/99	106869	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		