Previous

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: T. CHOI Date: 11/20/96
Instrument Manufacturer: YSI Model: 3500
Serial Number: 94C16863
pH Probe Manufacturer: YSI Model: 3530
Serial Number: N/A
ATC Probe Manufacturer: YSI Model: 3516
Serial Number: N/A
Buffer Solution Manufacturer: API-LIRCO
Expiration Dates of Buffer Solutions pH 4.01: — pH 7.00: 2/27/98 pH 10.01: 3/18/98

INSTRUMENTATION CHECK-OUT

Time: 0940 Battery Condition: GOOD
Instrument Readings with Shorting Plug in, mV: — Temperature: 20.7 pH: 9.02 ISO: —
Reference Chamber Solution Changed ?: ✓
pH Probe Condition: GOOD

FIELD CALIBRATION

Time: 0940 Slope: N/A Temperature: ~~B~~.20.7
Response to Low Buffer: 7.00 Response to High Buffer: 10.00
Time: 1345 Slope: N/A Temperature: 28.9
Response to Low Buffer: 7.00 Response to High Buffer: 10.0
Time: Slope: Temperature:
Response to Low Buffer: Response to High Buffer:

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: T. CHOI / J. BRENNER Date: 11/26/96

Instrument Manufacturer: YSI Model: 3500

Serial Number: 94C116863

pH Probe Manufacturer: YSI Model: 3530

Serial Number: N/A

ATC Probe Manufacturer: YSI Model: 3510

Serial Number: N/A

Buffer Solution Manufacturer: API - LIRCO

Expiration Dates of Buffer Solutions pH 4.01: — pH 7.00: 2/27/98 pH 10.01: 3/18/98

INSTRUMENTATION CHECK-OUT

Time: 0830 Battery Condition: GOOD

Instrument Readings with Shorting Plug in, mV: — Temperature: 17.3 pH: 9.42 ISO: —

Reference Chamber Solution Changed ?: ✓

pH Probe Condition: GOOD

FIELD CALIBRATION

Time: 0830 Slope: N/A Temperature: 16.9

Response to Low Buffer: 7.00 Response to High Buffer: 10.00

Time: 1405 Slope: N/A Temperature: 17.3

Response to Low Buffer: 7.00 Response to High Buffer: 10.00

Time: Slope: Temperature:

Response to Low Buffer: Response to High Buffer:

Comments:

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

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: _____

Calibration by: _____ Date: _____

Instrument Manufacturer: _____ Model: _____

Serial Number: _____

pH Probe Manufacturer: _____ Model: _____

Serial Number: _____

ATC Probe Manufacturer: _____ Model: _____

Serial Number: _____

Buffer Solution Manufacturer: _____

Expiration Dates of Buffer Solutions pH 4.01: _____ pH 7.00: _____ pH 10.01: _____

INSTRUMENTATION CHECK-OUT

Time: _____ Battery Condition: _____

Instrument Readings with Shorting Plug in, mV: _____ Temperature: _____ pH: _____ ISO: _____

Reference Chamber Solution Changed ?: _____

pH Probe Condition: _____

FIELD CALIBRATION

Time: _____ Slope: _____ Temperature: _____

Response to Low Buffer: _____ Response to High Buffer: _____

Time: _____ Slope: _____ Temperature: _____

Response to Low Buffer: _____ Response to High Buffer: _____

Time: _____ Slope: _____ Temperature: _____

Response to Low Buffer: _____ Response to High Buffer: _____

Comments: _____

_____

_____

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

pH/TEMPERATURE METER FIELD CALIBRATION FORM

Project Name: _____

Calibration by: _____ Date: _____

Instrument Manufacturer: _____ Model: _____

Serial Number: _____

pH Probe Manufacturer: _____ Model: _____

Serial Number: _____

ATC Probe Manufacturer: _____ Model: _____

Serial Number: _____

Buffer Solution Manufacturer: _____

Expiration Dates of Buffer Solutions pH 4.01: _____ pH 7.00: _____ pH 10.01: _____

INSTRUMENTATION CHECK-OUT

Time: _____ Battery Condition: _____

Instrument Readings with Shorting Plug in, mV: _____ Temperature: _____ pH: _____ ISO: _____

Reference Chamber Solution Changed ?: _____

pH Probe Condition: _____

FIELD CALIBRATION

Time: _____ Slope: _____ Temperature: _____

Response to Low Buffer: _____ Response to High Buffer: _____

Time: _____ Slope: _____ Temperature: _____

Response to Low Buffer: _____ Response to High Buffer: _____

Time: _____ Slope: _____ Temperature: _____

Response to Low Buffer: _____ Response to High Buffer: _____

Comments: _____

_____

_____

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

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. Choi Date: 10-17-96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 10-17-96

STANDARDIZATION

Time: 0900 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1325 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. Chen Date: 10-18-96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 10-18-96

STANDARDIZATION

Time: 0830 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: —
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: 1640 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. Choi Date: 10-21-96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 10-21-96

STANDARDIZATION

Time: 0845 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1500 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: T. BLANEY Date: 10/22/96

Instrument Manufacturer: HF Scientific Model: DRT-15C

Serial Number: 2700 Calibration Date: 10/22/96

STANDARDIZATION

Time: 0820 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: 1300 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. Blaney Date: 10/23/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2700 Calibration Date: 10/23/96

STANDARDIZATION

Time: 0740 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: 1455 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. BLANEY Date: 10/24/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 10/24/96

STANDARDIZATION

Time: 0810 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1435 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: T. BLANEY Date: 10/25/96

Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C

Serial Number: 2700 Calibration Date: 10/25/96

STANDARDIZATION

Time: 0815 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.03

NTU of Standard: _____ Instrument Reading: _____

Time: 1535 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. Blaney Date: 10/28/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2700 Calibration Date: 10/28/96

STANDARDIZATION

Time: 0750 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1445 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. BLANEY Date: 10/29/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 10/29/96

STANDARDIZATION

Time: 0800 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1430 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.03
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. BLANEY Date: 10/30/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 10/30/96

STANDARDIZATION

Time: 0830 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1450 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. BLANEY Date: 10/31/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2700 Calibration Date: 10/31/96

STANDARDIZATION

Time: 0910 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1350 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. Blanley Date: 11/1/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/1/96

STANDARDIZATION

Time: 0820 Selected Scale: 20 Instrument at Zero: (Yes / No) Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1125 Selected Scale: 20 Instrument at Zero: (Yes / No) Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: T. CHOI Date: 11/4/96

Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C

Serial Number: 2700 Calibration Date: 11/4/96

STANDARDIZATION

Time: 1000 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: 1400 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: T. CHOI Date: 11/5/96

Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C

Serial Number: 2700 Calibration Date: 11/5/96

STANDARDIZATION

Time: 0820 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: 1415 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: PL
Standardization by: T. CHOI Date: 11/6/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/6/96

STANDARDIZATION

Time: 0815 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: 1405 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____
NTU of Standard: _____ Instrument Reading: _____
NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. CHOI Date: 11/7/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/7/96

STANDARDIZATION

Time: 0815 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: 1355 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. CHOI Date: 11/8/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/7/96

STANDARDIZATION

Time: 0750 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: 1345 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: J. BRENNER Date: 11/18/96

Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C

Serial Number: 2700 Calibration Date: 11/11/96

STANDARDIZATION

Time: 0725 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: 1420 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. CHEI Date: 11/12/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/12/96

STANDARDIZATION

Time: 0815 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: 1210 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: T. CHOI Date: 11/13/96

Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C

Serial Number: 2700 Calibration Date: 11/13/96

STANDARDIZATION

Time: 0855 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: 1508 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Comments: _____

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: TCHO Date: 11/14/96

Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C

Serial Number: 2700 Calibration Date: 11/14/96

STANDARDIZATION

Time: 1200 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: Instrument Reading:

Time: 1435 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:

NTU of Standard: Instrument Reading:

NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:

NTU of Standard: Instrument Reading:

NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:

NTU of Standard: Instrument Reading:

NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:

NTU of Standard: Instrument Reading:

NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T.Cho Date: 11/15/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/15/96

STANDARDIZATION

Time: 0845 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: 1245 Selected Scale: 20 Instrument at Zero: (Yes) / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. CHOI Date: 11/19/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/19/96

STANDARDIZATION

Time: 0905 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.03
NTU of Standard: Instrument Reading:

Time: 1220 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.03
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
Standardization by: T. CHOI Date: 11/20/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2700 Calibration Date: 11/20/96

STANDARDIZATION

Time: 0935 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.02
NTU of Standard: Instrument Reading:

Time: 1340 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.03
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Time: Selected Scale: Instrument at Zero: Yes / No Stray Light Response:
NTU of Standard: Instrument Reading:
NTU of Standard: Instrument Reading:

Comments:

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL

Standardization by: T. CHOI / J. BRENNER Date: 11/21/96

Instrument Manufacturer: HF SCIENTIFIC Model: DIRT-15C

Serial Number: 2700 Calibration Date: 11/21/96

STANDARDIZATION

Time: 0825 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: 1330 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A

NTU of Standard: 0.02 Instrument Reading: 0.02

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Time: _____ Selected Scale: _____ Instrument at Zero: Yes / No Stray Light Response: _____

NTU of Standard: _____ Instrument Reading: _____

NTU of Standard: _____ Instrument Reading: _____

Comments: _____

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. Blaney Date/Time: 11/1/96 1035

Instrument Serial Number: 11965

Calibration Gas Supplier: HAZCO

Lot Number, ~~95~~ 100 ppm methane: N/A

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1500	psi	1500	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	68	°F	68	°F
Instrument Response, ~~95~~ 100 ppm methane	100 ppm		100 ppm	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. Blaney Date/Time: 11/4/96 1020

Instrument Serial Number: 11965 (TVA 1000)

Calibration Gas Supplier: Hazco

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	100	%	100	%
Hydrogen Tank Pressure	1800	psi	1800	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	70	°F	70	°F
Instrument Response, ~~95~~ 100 ppm methane	100 ppm		100 ppm	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. Choi Date/Time: 11/5/96 0800

Instrument Serial Number: TVA 1000 11965

Calibration Gas Supplier: HNU

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	100	%	100	%
Hydrogen Tank Pressure	1800	psi	1800	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	60°	°F	60°	°F
Instrument Response, ~~95~~ 100 ppm methane	98		98	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: J. BRENNER Date/Time: 11/6/96 / 0800

Instrument Serial Number: TVA 1000 11965

Calibration Gas Supplier: HAZCO

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	100	%	100	%
Hydrogen Tank Pressure	1600	psi	1600	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	60	°F	60	°F
Instrument Response, ~~95~~ 100 ppm methane	100		100	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. CHOI Date/Time: 11/7/96 0815

Instrument Serial Number: TVA 1000 11965

Calibration Gas Supplier: HAZCO

Lot Number, 95 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	100	%	100	%
Hydrogen Tank Pressure	1500	psi	1500	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	58.6	°F	58.6	°F
Instrument Response, ~~95~~ 100 ppm methane	100		100	
Instrument Response, 0.95% methane	~~100~~ N/A		~~100~~ N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. CHOI Date/Time: 11/8/96 / 0800

Instrument Serial Number: TVA 1000 11965

Calibration Gas Supplier: HARCO

Lot Number, 95 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	100	%	100	%
Hydrogen Tank Pressure	1500	psi	1500	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	62	°F	62	°F
Instrument Response, ~~95~~ 100 ppm methane	100		100	
Instrument Response, ~~0.95~~ 1.0 % methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: J. BRENNER Date/Time: 11/11/96 / 0725

Instrument Serial Number: TVA 1000 11965

Calibration Gas Supplier: HG-200

Lot Number, 95 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	100	%	100	%
Hydrogen Tank Pressure	1800	psi	1800	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	68	°F	68	°F
Instrument Response, ~~95~~ 100 ppm methane	100 ppm		100 ppm	
Instrument Response, ~~0.95~~ 1.0% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: J.P.L.

Calibration by: T. CHOI Date/Time: 11/12/96 / 0815

Instrument Serial Number: 11965

Calibration Gas Supplier: HAZCO

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, ~~0.95~~ 1.00% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1500	psi	1500	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	69	°F	69	°F
Instrument Response, 95 ppm methane	100		100	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. Chen Date/Time: 11/13/96 /1020

Instrument Serial Number: 11965

Calibration Gas Supplier: HAZCO

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, ~~0.95~~ 1.0% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1400	psi	1400	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	68.2	°F	68.2	°F
Instrument Response, 95 ppm methane	100		100	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. CHOI Date/Time: 11/14/96 / 0800

Instrument Serial Number: 11965

Calibration Gas Supplier: ~~TRE~~ HAZCO

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, 0.~~95~~ 10% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1300	psi	1300	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	65.2	°F	65.2	°F
Instrument Response, 95 ppm methane	100		100	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. CHOI Date/Time: 11/15/96 / 0890

Instrument Serial Number: 11963

Calibration Gas Supplier: HAZCO

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, ~~0.95~~ 1.0% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1100	psi	1100	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	60	°F	60	°F
Instrument Response, 95 ppm methane	100		100	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. CHOI Date/Time: 11/19/96 / 0900

Instrument Serial Number: 11965

Calibration Gas Supplier: HAZCO

Lot Number, ~~95~~ 100 ppm methane: ✓

Lot Number, ~~0.95~~ 1.0 % methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1100	psi	1100	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	55	°F	55	°F
Instrument Response, ~~95~~ 100 ppm methane	100		100	
Instrument Response, ~~0.95~~ 1.0 % methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. CHOI Date/Time: 11/20/96 / 0745

Instrument Serial Number: 11965

Calibration Gas Supplier: HARCO

Lot Number, 95 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1000	psi	1000	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	≈70°	°F	≈70°	°F
Instrument Response, 95 ppm methane	100		100	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL

Calibration by: T. Choi Date/Time: 11/20/96

Instrument Serial Number: 11965

Calibration Gas Supplier: HAZCO

Lot Number, 95 ppm methane: ✓

Lot Number, 0.95% methane: N/A

INSTRUMENT TEST RESULTS

	Pre-Field Work		Post-Field Work	
Battery Test Indicator*	✓	%	✓	%
Hydrogen Tank Pressure	1000	psi	1000	psi
Hydrogen Supply Pressure	12	psi	12	psi
Sample Flow Rate	1	L/min	1	L/min
Air Temperature	65	°F	65	°F
Instrument Response, ~~95~~ 100 ppm methane	100		100	
Instrument Response, 0.95% methane	N/A		N/A	

* With pump running

Notes (include description of any field maintenance):

APPENDIX D

LABORATORY ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY FORMS

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 29957 (MW-962-68; 69; 16, 17, 18, 19)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Arsenic was recovered at 116% in one matrix spike, but control is based on LCS recoveries..

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

Method blanks with compounds detected:
Napthalene was detected in the method blank but was not detected in any samples.

Other Comments:
Acetone was detected in most samples at less than 2 ppb as a TIC. Sample 17 and 18 had detectable hits for several volatiles, including some above the MCL.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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

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

Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 29957
JPL

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report #29957

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

Samples Received
17-oct-1996 14:51:57

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-68 (961017321)				**Sampled on 10/17/96**				
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.4	ug/l	2.0	1
				Regulated VOCs plus Lists 1&3				
	10/23/96	56116	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/23/96	56116	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/96	56116	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

MONTGOMERY WATSON LABORATORIES

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

Laboratory
Report
#29957

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/96	56116	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	115	% Rec		
			(Surrogate)	Toluene-d8	85	% Rec		

MW-962-69 (961017322) Sampled on 10/17/96

Regulated VOCs plus Lists 1&3

	10/23/96	56116	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/23/96	56116	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/96	56116	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/96	56116	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.5	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	112	% Rec		
			(Surrogate	) Toluene-d8	87	% Rec		
MW-962-16 (961017323)			**Sampled on**	**10/17/96**				
	10/18/96	55764	(ML/S2320B	) Alkalinity	140	mg/l	2.0	1
	11/14/96		(ML/SM1040	) Anion Sum	3.24	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B	) Calcium, Flame AA	13	mg/l	1.0	1
	11/14/96		(ML/SM1040	) Cation Sum	3.58	meq/l	0.0010	1
	10/18/96	55754	(ML/EPA 300	) Chloride	11	mg/l	1.0	1
	11/04/96		(ML/S2320-B	) Carbonate as CO3, Calculated	6.89	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	10/18/96		(ML/S2510B	) Specific Conductance	305	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8	) Iron, Total, ICAP/MS	140	ug/l	100	1
	11/04/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	168	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B	) Potassium, Flame AA	1.9	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B	) Magnesium, Flame AA	5.9	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B	) Sodium, Flame AA	55	mg/l	1.0	1
	10/18/96	55756	(ML/EPA 300.0	) Nitrate-N by IC	ND	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8	) Lead, Total, ICAP/MS	2.3	ug/l	2.0	1
	10/21/96		(ML/S4500H-B	) Lab pH	8.8	Units	0.0010	1
	10/18/96	55757	(ML/EPA 300	) Sulfate	6.3	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2	) Total phosphorus-P	ND	mg/l	0.050	1
	10/21/96	55870	(ML/S2540C	) Total Dissolved Solids	210	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/23/96	56116	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/23/96	56116	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/96	56116	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/96	56116	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	113	% Rec		
			(Surrogate)	Toluene-d8	82	% Rec		
MW-962-17 (961017324)			**Sampled on**	**10/17/96**				
	10/18/96	55764	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	3.67	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	35	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	3.98	meq/l	0.0010	1
	10/18/96	55754	(ML/EPA 300)	Chloride	8.7	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.44	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/18/96		(ML/S2510B)	Specific Conductance	370	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	150	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	176	mg/l	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	1.5	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	9.7	mg/l	1.0	1
	12/06/96	57186	(ML/S3111B)	Sodium, Flame AA	32	mg/l	1.0	1
	10/18/96	55756	(ML/EPA 300.0)	Nitrate-N by IC	0.4	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.5	ug/l	2.0	1
	10/21/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	10/18/96	55757	(ML/EPA 300)	Sulfate	24	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	10/21/96	55870	(ML/S2540C)	Total Dissolved Solids	250	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/23/96	56116	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/23/96	56116	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/96	56116	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Carbon Tetrachloride	2.2	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/96	56116	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.7	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.4	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	81	% Rec		
MW-962-18 (961017325)			**Sampled on 10/17/96**					
	10/18/96	55764	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	4.68	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	42	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	5.00	meq/l	0.0010	1
	10/18/96	55754	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.79	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/18/96		(ML/S2510B)	Specific Conductance	450	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	640	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	219	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	21	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	10/18/96	55756	(ML/EPA 300.0)	Nitrate-N by IC	0.3	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.4	ug/l	2.0	1
	10/21/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	10/18/96	55757	(ML/EPA 300)	Sulfate	32	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	10/21/96	55870	(ML/S2540C)	Total Dissolved Solids	270	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/23/96	56116	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/23/96	56116	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/96	56116	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Carbon Tetrachloride	0.7	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.6	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/96	56116	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	3.2	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichloroethylene (TCE)	6.4	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/96	56116	(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	111	% Rec		
			(Surrogate)	Toluene-d8	80	% Rec		
MW-962-19 (961017326)			**Sampled on**	**10/17/96**				
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	10/23/96	56116	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/23/96	56116	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/96	56116	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.0	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/96	56116	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.2	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.3	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/96	56116	(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	112	% Rec		
			(Surrogate)	Toluene-d8	82	% Rec		

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(ML524) Naphthalene detected above MRL in the method blank. This analyte is not detected in any samples associated with this method blank on 10/23/96. Reference QIR-MS-96-036.

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QC Batch #55754 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.2	104.8	(90.00 - 110.00)	
LCS2	Chloride	25	26.1	104.4	(90.00 - 110.00)	0.38
MBLK	Chloride	ND				
MS	Chloride	25	27.1	108.4	(80.00 - 120.00)	
MSD	Chloride	25	27.1	108.4	(80.00 - 120.00)	0.00

QC Batch #55756 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.62	104.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.68	107.2	(90.00 - 110.00)	2.3
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.54	101.6	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.54	101.6	(80.00 - 120.00)	0.00

QC Batch #55757 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sulfate	50	51.2	102.4	(90.00 - 110.00)	0.58
MBLK	Sulfate	ND				
MS	Sulfate	50	50.7	101.4	(70.00 - 130.00)	
MSD	Sulfate	50	50.5	101.0	(70.00 - 130.00)	0.40

QC Batch #55764 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.6	100.4	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.6	99.4	(90.00 - 110.00)	1.0
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	86.4	89.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	95.4	99.2	(80.00 - 120.00)	9.9

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

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QC Batch #55826 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0490	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0478	95.6	(78.00 - 118.00)	2.5
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0502	100.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0515	103.0	(80.00 - 120.00)	2.6

QC Batch #55870 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	166	94.9	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	2.4
MBLK	Total Dissolved Solids	ND				

QC Batch #55997 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.382	95.5	(70.00 - 130.00)	2.4

QC Batch #56116 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.64	116.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.69	117.3	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				

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LCS1	1,1,2-Trichloroethane	4	4.39	109.7	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	4.68	117.0	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.47	111.8	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.73	118.3	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.55	113.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.31	107.7	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.22	102.8	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.55	113.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.64	116.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.82	120.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.46	111.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			

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MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.54	113.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.46	111.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.66	116.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.14	107.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.20	105.0	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND	0.8		
LCS1	Styrene	4	4.54	113.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.27	106.7	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.26	106.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.22	105.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.23	105.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.63	81.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.17	104.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.94	111.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			

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LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.80	120.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.45	111.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.71	117.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.23	105.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

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QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57185 Potassium, Flame AA

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

QC Batch #57186 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

QC Batch #57187 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.3	96.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188 Calcium, Flame AA

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

QC Batch #57283 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0232	116.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	4.9

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

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QC Batch #57299 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	0.98
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	97.9	97.9	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	102.	102.0	(70.00 - 130.00)	

QC Batch #57305 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	506	101.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	549	109.8	(85.00 - 115.00)	8.2
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	499.	99.8	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	518.	103.6	(70.00 - 130.00)	

QC Batch #57313 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.1	100.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.8	109.0	(85.00 - 115.00)	8.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.3	101.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR29957

			Result	MDL	UNITS
Analyzed	961017321	MW-962-68			
10/23/96	Data Entry		10/30/96		--
11/11/96	Lead, Total, ICAP/MS		2.4	2.000	UGL
Analyzed	961017322	MW-962-69			
10/23/96	Data Entry		10/30/96		--
Analyzed	961017323	MW-962-16			
10/23/96	Data Entry		10/30/96		--
10/18/96	Alkalinity		140	2.000	MGL
11/14/96	Anion Sum		3.24	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		168	.001	MGL
11/13/96	Calcium, Flame AA		13	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		6.89	.001	MGL
11/14/96	Cation Sum		3.58	.001	MEQL
10/18/96	Chloride		11	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		140	******	UGL
10/21/96	Lab pH		8.8	.001	UNIT
11/11/96	Lead, Total, ICAP/MS		2.3	2.000	UGL
11/13/96	Magnesium, Flame AA		5.9	1.000	MGL
11/13/96	Potassium, Flame AA		1.9	1.000	MGL
11/13/96	Sodium, Flame AA		55	1.000	MGL
10/18/96	Specific Conductance		305	4.000	UMHO
10/18/96	Sulfate		6.3	2.000	MGL
10/21/96	Total Dissolved Solids		210	10.000	MGL
Analyzed	961017324	MW-962-17			
10/23/96	Carbon Tetrachloride		2.2	.500	UGL
10/23/96	Chloroform (Trichloromethane)		0.5	.500	UGL
10/23/96	Data Entry		10/30/96		--
10/23/96	Tetrachloroethylene (PCE)		0.7	.500	UGL
10/18/96	Alkalinity		145	2.000	MGL
12/06/96	Anion Sum		3.67	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		176	.001	MGL
12/03/96	Calcium, Flame AA		35	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		1.44	.001	MGL
12/06/96	Cation Sum		3.98	.001	MEQL
10/18/96	Chloride		8.7	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		150	******	UGL
10/21/96	Lab pH		8.1	.001	UNIT
11/11/96	Lead, Total, ICAP/MS		2.5	2.000	UGL
12/03/96	Magnesium, Flame AA		9.7	1.000	MGL
10/18/96	Nitrate-N by IC		0.4	.100	MGL
12/03/96	Potassium, Flame AA		1.5	1.000	MGL
12/06/96	Sodium, Flame AA		32	1.000	MGL
10/18/96	Specific Conductance		370	4.000	UMHO
10/18/96	Sulfate		24	2.000	MGL
10/21/96	Total Dissolved Solids		250	10.000	MGL
Analyzed	961017325	MW-962-18			
10/23/96	Carbon Tetrachloride		0.7	.500	UGL

10/23/96	Chloroform (Trichloromethane)	5.6	.500	UGL
10/23/96	Data Entry	10/30/96		--
10/23/96	Tetrachloroethylene (PCE)	3.2	.500	UGL
10/23/96	Trichloroethylene (TCE)	6.4	.500	UGL
10/18/96	Alkalinity	180	2.000	MGL
11/14/96	Anion Sum	4.68	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated	219	.001	MGL
11/13/96	Calcium, Flame AA	42	1.000	MGL
11/04/96	Carbonate as CO3, Calculated	1.79	.001	MGL
11/14/96	Cation Sum	5.00	.001	MEQL
10/18/96	Chloride	14	1.000	MGL
11/11/96	Iron, Total, ICAP/MS	640	******	UGL
10/21/96	Lab pH	8.1	.001	UNIT
11/11/96	Lead, Total, ICAP/MS	2.4	2.000	UGL
11/13/96	Magnesium, Flame AA	21	1.000	MGL
10/18/96	Nitrate-N by IC	0.3	.100	MGL
11/13/96	Potassium, Flame AA	3.2	1.000	MGL
11/13/96	Sodium, Flame AA	25	1.000	MGL
10/18/96	Specific Conductance	450	4.000	UMHO
10/18/96	Sulfate	32	2.000	MGL
10/21/96	Total Dissolved Solids	270	10.000	MGL

Analyzed 961017326 MW-962-19

10/23/96	Chloroform (Trichloromethane)	4.0	.500	UGL
10/23/96	Data Entry	10/30/96		--
10/23/96	Tetrachloroethylene (PCE)	2.2	.500	UGL
10/23/96	Trichloroethylene (TCE)	4.3	.500	UGL

MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 29985(MW-962-71, 70, 20, 22)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Arsenic was recovered at 116% in one matrix spike, but control is based on LCS recoveries..

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

Method blanks with compounds detected:
Napthalene was detected in the method blank but was not detected in any samples.

Other Comments:
Acetone was detected in most samples at less than 2 ppb as a TIC. Sample 20 had detectable hits for several volatiles, including some above the MCL.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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Pasadena, California 91101
Tel: 818 568 6400
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Madison Division
1 Science Court
Madison, Wisconsin 53711
Tel: 608 231 4747
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Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 30 1996

ADE*

Report#: 29985
JPL

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Laboratory Report #29985

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

Samples Received
18-oct-1996 11:34:00

MW-962-71 (961021001) Sampled on 10/18/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/23/96	56116	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/23/96	56116	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#29985

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/23/96	56116	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/23/96	56116	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/23/96	56116	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/23/96	56116	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	82	% Rec		
MW-962-70 (961021002)			**Sampled on 10/18/96**					
11/08/96	12/26/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.2	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.6	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	95	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		
MW-962-20 (961021003) Sampled on 10/18/96								
	10/22/96	55871	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	4.23	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	41	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	4.21	meq/l	0.0010	1
	10/18/96	55754	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.489	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	390	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	250	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	16	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	18	mg/l	1.0	1
	10/18/96	55756	(ML/EPA 300.0)	Nitrate-N by IC	1.3	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	3.4	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	7.6	Units	0.0010	1
	10/18/96	55757	(ML/EPA 300)	Sulfate	35	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	6.3	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	1.9	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(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	95	% Rec		
			(Surrogate)	4-Bromofluorobenzene	109	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		

MW-962-22 (961021004) Sampled on 10/18/96

	10/22/96	55871	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	4.60	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	40	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	4.85	meq/l	0.0010	1
	10/18/96	55754	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.10	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/18/96	55826	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	420	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	5100	ug/l	100	10
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	38	mg/l	1.0	1
	10/18/96	55756	(ML/EPA 300.0)	Nitrate-N by IC	2.1	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	5.3	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	10/18/96	55757	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	250	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.7	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.7	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	16	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	92	% Rec		

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Group Comments

(ML524) Naphthalene detected above MRL in the method blank analyzed on 10/23/96. This analyte is not detected in any samples analyzed on that day. Reference QIR-MS-96-036.

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QC Batch #55754 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	26.2	104.8	(90.00 - 110.00)	
LCS2	Chloride	25	26.1	104.4	(90.00 - 110.00)	0.38
MBLK	Chloride	ND				
MS	Chloride	25	27.1	108.4	(80.00 - 120.00)	
MSD	Chloride	25	27.1	108.4	(80.00 - 120.00)	0.00

QC Batch #55756 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.62	104.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.68	107.2	(90.00 - 110.00)	2.3
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.54	101.6	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.54	101.6	(80.00 - 120.00)	0.00

QC Batch #55757 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sulfate	50	51.2	102.4	(90.00 - 110.00)	0.58
MBLK	Sulfate	ND				
MS	Sulfate	50	50.7	101.4	(70.00 - 130.00)	
MSD	Sulfate	50	50.5	101.0	(70.00 - 130.00)	0.40

QC Batch #55826 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0490	98.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0478	95.6	(78.00 - 118.00)	2.5
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0502	100.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0515	103.0	(80.00 - 120.00)	2.6

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

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QC Batch #55871 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.2	100.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.6	100.4	(90.00 - 110.00)	0.41
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	91.0	94.6	(80.00 - 120.00)	
MSD	Alkalinity	96.2	96.0	99.8	(80.00 - 120.00)	5.3

QC Batch #55997 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.382	95.5	(70.00 - 130.00)	2.4

QC Batch #56116 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.64	116.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.69	117.3	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.39	109.7	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.68	117.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.47	111.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				

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MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.73	118.3	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.55	113.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.31	107.7	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.22	102.8	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.55	113.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.64	116.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.82	120.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.46	111.5	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.32	108.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.54	113.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.46	111.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.66	116.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.14	107.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.20	105.0	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND	0.8		
LCS1	Styrene	4	4.54	113.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.27	106.7	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.26	106.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.22	105.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.23	105.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.63	81.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.17	104.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.94	111.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.80	120.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.45	111.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.71	117.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			

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MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.23	105.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56128 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.51	112.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.67	116.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.66	116.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.28	107.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.60	115.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.66	95.8	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				

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LCS1	Benzene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.41	110.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.85	121.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.49	112.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.44	111.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.56	114.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.06	103.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.67	91.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.17	104.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.13	103.2	(70.00 - 130.00)
MBLK	Toluene	ND			

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LCS1	Trichloroethylene (TCE)	4	4.14	103.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.26	106.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.53	76.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.16	104.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.82	110.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.78	119.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.67	116.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.00	100.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56171 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	168	96.0	(85.00 - 115.00)	4.9
MBLK	Total Dissolved Solids	ND				

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QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				

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

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MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57283 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0232	116.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	4.9

QC Batch #57299 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	0.98
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	97.9	97.9	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	102.	102.0	(70.00 - 130.00)	

QC Batch #57305 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	506	101.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	549	109.8	(85.00 - 115.00)	8.2
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	499.	99.8	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	518.	103.6	(70.00 - 130.00)	

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

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QC Batch #57313 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.1	100.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.8	109.0	(85.00 - 115.00)	8.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.3	101.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR29985

			Result	MDL	UNITS
Analyzed	961021001	MW-962-71			
10/23/96	Data Entry		10/30/96		--
Analyzed	961021002	MW-962-70			
10/24/96	Chloroform (Trichloromethane)		0.7	.500	UGL
10/24/96	Data Entry		10/30/96		--
11/11/96	Lead, Total, ICAP/MS		2.2	2.000	UGL
Analyzed	961021003	MW-962-20			
10/24/96	Bromodichloromethane		1.9	.500	UGL
10/24/96	Chloroform (Trichloromethane)		6.3	.500	UGL
10/24/96	Data Entry		10/30/96		--
10/22/96	Alkalinity		155	2.000	MGL
11/14/96	Anion Sum		4.23	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		189	.001	MGL
11/13/96	Calcium, Flame AA		41	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		0.489	.001	MGL
11/14/96	Cation Sum		4.21	.001	MEQL
10/18/96	Chloride		11	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		250	******	UGL
10/23/96	Lab pH		7.6	.001	UNIT
11/11/96	Lead, Total, ICAP/MS		3.4	2.000	UGL
11/13/96	Magnesium, Flame AA		16	1.000	MGL
10/18/96	Nitrate-N by IC		1.3	.100	MGL
11/13/96	Potassium, Flame AA		2.5	1.000	MGL
11/13/96	Sodium, Flame AA		18	1.000	MGL
10/23/96	Specific Conductance		390	4.000	UMHO
10/18/96	Sulfate		35	2.000	MGL
10/25/96	Total Dissolved Solids		220	10.000	MGL
10/24/96	Total phosphorus-P		0.07	.050	MGL
Analyzed	961021004	MW-962-22			
10/24/96	Chloroform (Trichloromethane)		1.7	.500	UGL
10/24/96	Data Entry		10/30/96		--
10/24/96	Tetrachloroethylene (PCE)		0.7	.500	UGL
10/24/96	Trichloroethylene (TCE)		16	.500	UGL
10/22/96	Alkalinity		175	2.000	MGL
11/14/96	Anion Sum		4.60	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		213	.001	MGL
11/13/96	Calcium, Flame AA		40	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		1.10	.001	MGL
11/14/96	Cation Sum		4.85	.001	MEQL
10/18/96	Chloride		13	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		5100	******	UGL
10/23/96	Lab pH		7.9	.001	UNIT
11/11/96	Lead, Total, ICAP/MS		5.3	2.000	UGL
11/13/96	Magnesium, Flame AA		14	1.000	MGL
10/18/96	Nitrate-N by IC		2.1	.100	MGL
11/13/96	Potassium, Flame AA		1.9	1.000	MGL
11/13/96	Sodium, Flame AA		38	1.000	MGL
10/23/96	Specific Conductance		420	4.000	UMHO
10/18/96	Sulfate		28	2.000	MGL

10/25/96	Total Dissolved Solids	250	10.000	MGL
10/24/96	Total phosphorus-P	0.07	.050	MGL

MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 29993 (MW-962-73; 72; 23; 24; 25; 26)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
Sample -73 had low toluene-d8 recovery. No backup was available for analysis because the backup vial was broken in receiving. All other volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Arsenic was recovered at 116% in one matrix spike, but control is based on LCS recoveries..

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

Method blanks with compounds detected:
Acetone was detected in the method blank and in several samples.

Other Comments:
Acetone was detected in most samples at less than 2 ppb as a TIC. Sample 23 and 24 and 25 had detectable hits for several volatiles, including some above the MCL.

Sincerely,

A Eaton

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
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Pasadena, California 91101
Tel: 818 568 6400
Fax: 818 568 6324

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

Quality Environmental Analysis

ADE

QUALITY INVESTIGATION REPORT

QIR No. MS-96-037

Analysis Date: October 24, 1996

Analysis: 524.2 VOASDWA

Extraction Date: NA

Matrix: WATER

Analyst: Yom

Instrument ID: GCMS D

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
961021035	MW-962-73	ENSERCH			

Brief Description: (include reason for non-compliance)

Surrogate (Toluene-d8) Recovered low (below QC criteria 80-120%)

78%.

Action Taken:

No back-up sample to RERUN, 2nd vial was broken at LOG-IN.

Impact on Data Quality:

Report data as is. (Sample is ND)

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

Other:

Annotation: Toluene-d8, one of the surrogates, recovered below QC limits. No backup sample available for reanalysis because backup vial was broken at log-in.

Client Contact:

Extraction:	NA	Date:	NA
Analyst:	Yolanda Watson	Date:	10-28-96
Group Leader:	Cecilia Lei	Date:	10-28-96
QA Coordinator:	[illegible]	Date:	10/28/96
Project Manager:	A Eaton	Date:	10/28/96

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 3 0 1996

ADE*

Report#: 29993
JPL

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Laboratory Report #29993

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

Samples Received
21-oct-1996 17:48:07

MW-962-73 (961021035) Sampled on 10/21/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#29993

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.8 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	78*	% Rec		
MW-962-72 (961021036)				**Sampled on 10/21/96**				
11/08/96	12/26/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/22/96	55850	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
				Regulated VOCs plus Lists 1&3				
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Laboratory
Report
#29993

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		
			(Surrogate)	Toluene-d8	92	% Rec		
MW-962-23 (961021037)			**Sampled on 10/21/96**					
	10/22/96	55871	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	5.03	meq/l	0.0010	1
11/08/96	12/26/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	46	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	4.97	meq/l	0.0010	1
	10/23/96	55900	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.25	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/22/96	55850	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	440	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	140	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	243	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	1.7	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	32	mg/l	1.0	1
	10/23/96	55904	(ML/EPA 300.0)	Nitrate-N by IC	2.1	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	10/23/96	55905	(ML/EPA 300)	Sulfate	26	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.5	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	8.9	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(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	103	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		

MW-962-24 (961021038) Sampled on 10/21/96

	10/22/96	55871	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	4.02	meq/l	0.0010	1
11/08/96	12/26/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	36	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	4.16	meq/l	0.0010	1
	10/23/96	55900	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.726	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/22/96	55850	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	375	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1500	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	177	mg/l	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	21	mg/l	1.0	1
	10/23/96	55904	(ML/EPA 300.0)	Nitrate-N by IC	1.5	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	10/23/96	55905	(ML/EPA 300)	Sulfate	31	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.09	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	3.3	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	7.8	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	0.9	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.8	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	18	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(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	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		
MW-962-25 (961021039)			**Sampled on**	**10/21/96**				
	10/22/96	55871	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	3.45	meq/l	0.0010	1
11/08/96	12/26/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	29	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	3.65	meq/l	0.0010	1
	10/23/96	55900	(ML/EPA 300)	Chloride	7.3	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	2.58	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/22/96	55850	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	320	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	280	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	17	mg/l	1.0	1
	10/23/96	55904	(ML/EPA 300.0)	Nitrate-N by IC	0.8	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	8.4	Units	0.0010	1
	10/23/96	55905	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	180	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.4	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	0.6	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(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	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		

MW-962-26 (961021040) Sampled on 10/21/96

	10/22/96	55871	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	3.49	meq/l	0.0010	1
11/08/96	12/26/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	34	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	3.43	meq/l	0.0010	1
	10/23/96	55900	(ML/EPA 300)	Chloride	5.7	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.534	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/22/96	55850	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	325	umho/cm	4.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	190	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	164	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	14	mg/l	1.0	1
	10/23/96	55904	(ML/EPA 300.0)	Nitrate-N by IC	0.6	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	10/23/96	55905	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	190	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.4	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

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Report
Comments
#29993

Group Comments

(ML524) No backup sample available for reanalysis of MW-962--73. Reference QIR-MS-96-037.

(961021035)
@VOASDWA
*Toluene-d8, one of the surrogates, recovered below QC limits. No backup available for reanalysis because backup vial was broken at log-in.

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Foster Wheeler Environmental, Inc

QC Batch #55850 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0493	98.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0518	103.6	(78.00 - 118.00)	4.9
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0535	107.0	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0530	106.0	(80.00 - 120.00)	0.94

QC Batch #55871 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.2	100.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.6	100.4	(90.00 - 110.00)	0.41
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	91.0	94.6	(80.00 - 120.00)	
MSD	Alkalinity	96.2	96.0	99.8	(80.00 - 120.00)	5.3

QC Batch #55900 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.9	103.6	(90.00 - 110.00)	
LCS2	Chloride	25	25.7	102.8	(90.00 - 110.00)	0.78
MBLK	Chloride	ND				
MS	Chloride	25	27.4	109.6	(80.00 - 120.00)	
MSD	Chloride	25	27.4	109.6	(80.00 - 120.00)	0.00

QC Batch #55904 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.63	105.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.59	103.6	(90.00 - 110.00)	1.5
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.59	103.6	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.58	103.2	(80.00 - 120.00)	0.39

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #55905 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Sulfate	50	50.9	101.8	(90.00 - 110.00)	0.78
MBLK	Sulfate	ND				
MS	Sulfate	50	53.7	107.4	(70.00 - 130.00)	
MSD	Sulfate	50	53.8	107.6	(70.00 - 130.00)	0.19

QC Batch #55997 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.382	95.5	(70.00 - 130.00)	2.4

QC Batch #56123 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.33	108.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.03	100.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				

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(continued)

MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.56	114.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.97	99.2	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.99	99.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.46	93.2	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.26	106.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	5.01	125.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.31	107.7	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.19	104.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.23	105.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.08	102.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.46	111.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.00	100.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.70	92.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.43	110.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.21	105.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.44	72.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.76	109.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.54	113.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.44	111.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			

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MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56128 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.51	112.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.67	116.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.66	116.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.28	107.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.60	115.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.15	103.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.66	95.8	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				

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LCS1	Benzene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.41	110.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.85	121.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.49	112.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.44	111.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.56	114.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.06	103.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.67	91.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.17	104.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.13	103.2	(70.00 - 130.00)
MBLK	Toluene	ND			

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LCS1	Trichloroethylene (TCE)	4	4.14	103.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.26	106.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.53	76.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.16	104.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.82	110.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.78	119.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.67	116.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.00	100.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56171 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	168	96.0	(85.00 - 115.00)	4.9
MBLK	Total Dissolved Solids	ND				

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Foster Wheeler Environmental, Inc
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QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57283 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0232	116.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	4.9

QC Batch #57299 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	0.98
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	97.9	97.9	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	102.	102.0	(70.00 - 130.00)	

QC Batch #57305 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	506	101.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	549	109.8	(85.00 - 115.00)	8.2
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	499.	99.8	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	518.	103.6	(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
#29993

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57313 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.1	100.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.8	109.0	(85.00 - 115.00)	8.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.3	101.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR29993

			Result	MDL	UNITS
Analyzed	961021035	MW-962-73			
10/24/96	Data Entry		10/30/96		--
Analyzed	961021036	MW-962-72			
10/25/96	Data Entry		10/30/96		--
Analyzed	961021037	MW-962-23			
10/24/96	Chloroform (Trichloromethane)		1.5	.500	UGL
10/24/96	Data Entry		10/30/96		--
10/24/96	Trichloroethylene (TCE)		8.9	.500	UGL
10/22/96	Alkalinity		200	2.000	MGL
11/14/96	Anion Sum		5.03	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		243	.001	MGL
11/13/96	Calcium, Flame AA		46	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		1.25	.001	MGL
11/14/96	Cation Sum		4.97	.001	MEQL
10/23/96	Chloride		12	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		140	******	UGL
10/23/96	Lab pH		7.9	.001	UNIT
11/13/96	Magnesium, Flame AA		15	1.000	MGL
10/23/96	Nitrate-N by IC		2.1	.100	MGL
11/13/96	Potassium, Flame AA		1.7	1.000	MGL
11/13/96	Sodium, Flame AA		32	1.000	MGL
10/23/96	Specific Conductance		440	4.000	UMHO
10/23/96	Sulfate		26	2.000	MGL
10/25/96	Total Dissolved Solids		260	10.000	MGL
10/24/96	Total phosphorus-P		0.07	.050	MGL
Analyzed	961021038	MW-962-24			
10/25/96	Bromodichloromethane		0.9	.500	UGL
10/25/96	Carbon Tetrachloride		3.3	.500	UGL
10/25/96	Chloroform (Trichloromethane)		7.8	.500	UGL
10/25/96	Data Entry		10/30/96		--
10/25/96	Tetrachloroethylene (PCE)		0.8	.500	UGL
10/25/96	Trichloroethylene (TCE)		18	.500	UGL
10/22/96	Alkalinity		145	2.000	MGL
11/14/96	Anion Sum		4.02	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		177	.001	MGL
11/13/96	Calcium, Flame AA		36	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		0.726	.001	MGL
11/14/96	Cation Sum		4.16	.001	MEQL
10/23/96	Chloride		13	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		1500	******	UGL
10/23/96	Lab pH		7.8	.001	UNIT
11/13/96	Magnesium, Flame AA		17	1.000	MGL
10/23/96	Nitrate-N by IC		1.5	.100	MGL
11/13/96	Potassium, Flame AA		1.9	1.000	MGL
11/13/96	Sodium, Flame AA		21	1.000	MGL
10/23/96	Specific Conductance		375	4.000	UMHO
10/23/96	Sulfate		31	2.000	MGL
10/25/96	Total Dissolved Solids		230	10.000	MGL
10/24/96	Total phosphorus-P		0.09	.050	MGL

Analyzed	961021039 MW-962-25			
10/25/96	Bromodichloromethane	0.6	.500	UGL
10/25/96	Chloroform (Trichloromethane)	5.4	.500	UGL
10/25/96	Data Entry	10/30/96		--
10/22/96	Alkalinity	130	2.000	MGL
11/14/96	Anion Sum	3.45	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated	158	.001	MGL
11/13/96	Calcium, Flame AA	29	1.000	MGL
11/04/96	Carbonate as CO3, Calculated	2.58	.001	MGL
11/14/96	Cation Sum	3.65	.001	MEQL
10/23/96	Chloride	7.3	1.000	MGL
11/11/96	Iron, Total, ICAP/MS	280	******	UGL
10/23/96	Lab pH	8.4	.001	UNIT
11/13/96	Magnesium, Flame AA	17	1.000	MGL
10/23/96	Nitrate-N by IC	0.8	.100	MGL
11/13/96	Potassium, Flame AA	2.4	1.000	MGL
11/13/96	Sodium, Flame AA	17	1.000	MGL
10/23/96	Specific Conductance	320	4.000	UMHO
10/23/96	Sulfate	28	2.000	MGL
10/25/96	Total Dissolved Solids	180	10.000	MGL
10/24/96	Total phosphorus-P	0.06	.050	MGL

Analyzed	961021040 MW-962-26			
10/25/96	Data Entry	11/01/96		--
10/22/96	Alkalinity	135	2.000	MGL
11/14/96	Anion Sum	3.49	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated	164	.001	MGL
11/13/96	Calcium, Flame AA	34	1.000	MGL
11/04/96	Carbonate as CO3, Calculated	0.534	.001	MGL
11/14/96	Cation Sum	3.43	.001	MEQL
10/23/96	Chloride	5.7	1.000	MGL
11/11/96	Iron, Total, ICAP/MS	190	******	UGL
10/23/96	Lab pH	7.7	.001	UNIT
11/13/96	Magnesium, Flame AA	13	1.000	MGL
10/23/96	Nitrate-N by IC	0.6	.100	MGL
11/13/96	Potassium, Flame AA	2.2	1.000	MGL
11/13/96	Sodium, Flame AA	14	1.000	MGL
10/23/96	Specific Conductance	325	4.000	UMHO
10/23/96	Sulfate	28	2.000	MGL
10/25/96	Total Dissolved Solids	190	10.000	MGL
10/24/96	Total phosphorus-P	0.07	.050	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30032 (MW-962-75; 74; 06; 07; 08)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Arsenic was recovered at 116% in one matrix spike, but control is based on LCS recoveries..

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

Method blanks with compounds detected:
None.

Other Comments:
Chloroform and acetone were detected in several samples at low levels. Sample -74 had methylene chloride detected originally, but was rerun within holding time and methylene chloride was not confirmed.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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Pasadena, California 91101
Tel: 818 568 6400
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Madison Division
1 Science Court
Madison, Wisconsin 53711
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Quality Environmental Analysis

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30032
JPL

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Laboratory
Report
#30032

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

Samples Received
22-oct-1996 15:31:11

MW-962-75 (961022143) Sampled on 10/22/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#30032

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(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	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	94	% Rec		
MW-962-74 (961022144)			**Sampled on 10/22/96**					
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/23/96	55915	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.5	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		
MW-962-06 (961022145)			**Sampled on 10/22/96**					
	10/24/96	55948	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	3.62	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	11	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	3.77	meq/l	0.0010	1
	10/23/96	55900	(ML/EPA 300)	Chloride	8.4	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	11.2	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/23/96	55915	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	345	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	172	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	1.6	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	2.2	mg/l	1.0	1
	12/06/96	57186	(ML/S3111B)	Sodium, Flame AA	69	mg/l	1.0	1
	10/23/96	55904	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	9.0	Units	0.0010	1
	10/23/96	55905	(ML/EPA 300)	Sulfate	23	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(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	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	92	% Rec		

MW-962-07 (961022146) Sampled on 10/22/96

	10/24/96	55948	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	3.65	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	9.3	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	3.80	meq/l	0.0010	1
	10/23/96	55900	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	4.53	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/23/96	55915	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	325	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	140	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	175	mg/l	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	1.1	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	2.2	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	72	mg/l	1.0	1
	10/23/96	55904	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	8.6	Units	0.0010	1
	10/23/96	55905	(ML/EPA 300)	Sulfate	21	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.12	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	200	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		
MW-962-08 (961022147)			**Sampled on**	**10/22/96**				
	10/24/96	55948	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.29	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	12/03/96	57188	(ML/S3111B)	Calcium, Flame AA	17	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.38	meq/l	0.0010	1
	10/23/96	55900	(ML/EPA 300)	Chloride	24	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	7.87	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/23/96	55915	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/23/96		(ML/S2510B)	Specific Conductance	395	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	160	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	192	mg/l	0.0010	1
	12/03/96	57185	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	12/03/96	57187	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	12/06/96	57186	(ML/S3111B)	Sodium, Flame AA	57	mg/l	1.0	1
	10/23/96	55904	(ML/EPA 300.0)	Nitrate-N by IC	0.6	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/23/96		(ML/S4500H-B)	Lab pH	8.8	Units	0.0010	1
	10/23/96	55905	(ML/EPA 300)	Sulfate	18	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	10/25/96	56171	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.3	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		
			(Surrogate)	Toluene-d8	92	% Rec		

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Report
Comments
#30032

(961022144)
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Sample was rerun on 10-28-96 to verify Methylene chloride hit, no Methylene chloride detected in the rerun.

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Foster Wheeler Environmental, Inc

QC Batch #55900 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.9	103.6	(90.00 - 110.00)	
LCS2	Chloride	25	25.7	102.8	(90.00 - 110.00)	0.78
MBLK	Chloride	ND				
MS	Chloride	25	27.4	109.6	(80.00 - 120.00)	
MSD	Chloride	25	27.4	109.6	(80.00 - 120.00)	0.00

QC Batch #55904 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.63	105.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.59	103.6	(90.00 - 110.00)	1.5
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.59	103.6	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.58	103.2	(80.00 - 120.00)	0.39

QC Batch #55905 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Sulfate	50	50.9	101.8	(90.00 - 110.00)	0.78
MBLK	Sulfate	ND				
MS	Sulfate	50	53.7	107.4	(70.00 - 130.00)	
MSD	Sulfate	50	53.8	107.6	(70.00 - 130.00)	0.19

QC Batch #55915 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0509	101.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0521	104.2	(78.00 - 118.00)	2.3
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0534	106.8	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0521	104.2	(80.00 - 120.00)	2.5

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #55948 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.2	100.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.1	99.9	(90.00 - 110.00)	0.10
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	95.6	99.4	(80.00 - 120.00)	
MSD	Alkalinity	96.2	101	105.0	(80.00 - 120.00)	5.5

QC Batch #55997 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.382	95.5	(70.00 - 130.00)	2.4

QC Batch #56123 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.33	108.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.03	100.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				

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

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MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.56	114.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.97	99.2	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.99	99.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.46	93.2	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.26	106.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	5.01	125.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.31	107.7	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.19	104.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.23	105.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.08	102.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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

MONTGOMERY WATSON LABORATORIES

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Foster Wheeler Environmental, Inc
(continued)

LCS1	Ethyl benzene	4	4.46	111.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.00	100.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.70	92.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.43	110.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.21	105.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.44	72.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.76	109.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.54	113.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.44	111.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			

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(continued)

MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56171 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	160	91.4	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	168	96.0	(85.00 - 115.00)	4.9
MBLK	Total Dissolved Solids	ND				

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57185 Potassium, Flame AA

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

QC Batch #57186 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	48.1	96.2	(90.00 - 110.00)	2.1
MBLK	Sodium, Flame AA	ND				

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(continued)

MS	Sodium, Flame AA	50	48.0	96.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	47.3	94.6	(80.00 - 120.00)	1.5

QC Batch #57187 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	19.3	96.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	18.9	94.5	(90.00 - 110.00)	2.1
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	18.4	92.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	18.5	92.5	(80.00 - 120.00)	0.54

QC Batch #57188 Calcium, Flame AA

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

QC Batch #57283 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0232	116.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	4.9

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

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Laboratory
QC Report
#30032

Foster Wheeler Environmental, Inc
(continued)

QC Batch #57299 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	0.98
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	97.9	97.9	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	102.	102.0	(70.00 - 130.00)	

QC Batch #57305 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	506	101.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	549	109.8	(85.00 - 115.00)	8.2
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	499.	99.8	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	518.	103.6	(70.00 - 130.00)	

QC Batch #57313 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.1	100.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.8	109.0	(85.00 - 115.00)	8.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.3	101.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR30032

			Result	MDL	UNITS
Analyzed	961022143	MW-962-75			
10/25/96	Data Entry		11/01/96		--
Analyzed	961022144	MW-962-74			
10/25/96	Chloroform (Trichloromethane)		0.6	.500	UGL
10/25/96	Data Entry		10/30/96		--
Analyzed	961022145	MW-962-06			
10/25/96	Data Entry		10/30/96		--
10/24/96	Alkalinity		145	2.000	MGL
12/06/96	Anion Sum		3.62	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		172	.001	MGL
12/03/96	Calcium, Flame AA		11	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		11.2	.001	MGL
12/06/96	Cation Sum		3.77	.001	MEQL
10/23/96	Chloride		8.4	1.000	MGL
10/23/96	Lab pH		9.0	.001	UNIT
12/03/96	Magnesium, Flame AA		2.2	1.000	MGL
12/03/96	Potassium, Flame AA		1.6	1.000	MGL
12/06/96	Sodium, Flame AA		69	1.000	MGL
10/23/96	Specific Conductance		345	4.000	UMHO
10/23/96	Sulfate		23	2.000	MGL
10/25/96	Total Dissolved Solids		210	10.000	MGL
10/24/96	Total phosphorus-P		0.07	.050	MGL
Analyzed	961022146	MW-962-07			
10/25/96	Data Entry		10/30/96		--
10/24/96	Alkalinity		145	2.000	MGL
11/14/96	Anion Sum		3.65	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		175	.001	MGL
11/13/96	Calcium, Flame AA		9.3	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		4.53	.001	MGL
11/14/96	Cation Sum		3.80	.001	MEQL
10/23/96	Chloride		11	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		140	******	UGL
10/23/96	Lab pH		8.6	.001	UNIT
11/13/96	Magnesium, Flame AA		2.2	1.000	MGL
11/13/96	Potassium, Flame AA		1.1	1.000	MGL
11/13/96	Sodium, Flame AA		72	1.000	MGL
10/23/96	Specific Conductance		325	4.000	UMHO
10/23/96	Sulfate		21	2.000	MGL
10/25/96	Total Dissolved Solids		200	10.000	MGL
10/24/96	Total phosphorus-P		0.12	.050	MGL
Analyzed	961022147	MW-962-08			
10/25/96	Chloroform (Trichloromethane)		0.6	.500	UGL
10/25/96	Data Entry		10/30/96		--
10/24/96	Alkalinity		160	2.000	MGL
12/06/96	Anion Sum		4.29	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		192	.001	MGL
12/03/96	Calcium, Flame AA		17	1.000	MGL

11/04/96	Carbonate as CO3, Calculated	7.87	.001	MGL
12/06/96	Cation Sum	4.38	.001	MEQL
10/23/96	Chloride	24	1.000	MGL
11/11/96	Iron, Total, ICAP/MS	160	******	UGL
10/23/96	Lab pH	8.8	.001	UNIT
12/03/96	Magnesium, Flame AA	12	1.000	MGL
10/23/96	Nitrate-N by IC	0.6	.100	MGL
12/03/96	Potassium, Flame AA	2.4	1.000	MGL
12/06/96	Sodium, Flame AA	57	1.000	MGL
10/23/96	Specific Conductance	395	4.000	UMHO
10/23/96	Sulfate	18	2.000	MGL
10/25/96	Total Dissolved Solids	240	10.000	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30072 (MW-962-77; 76; 09; 09MS; 09 MSD; 11)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Arsenic was recovered at 116% in one matrix spike, but control is based on LCS recoveries..

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

Method blanks with compounds detected:
None.

Other Comments:
Chloroform and acetone were detected in several samples at low levels. Several other volatiles were detected. Sample -09 was used as an MS and MSD for the volatiles.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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

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

MONTGOMERY WATSON LABORATORIES

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30072
JPL

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Laboratory Report #30072

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

Samples Received
23-oct-1996 16:08:28

MW-962-77 (961023111) Sampled on 10/23/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory Report #30072

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(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	107	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	81	% Rec		
MW-962-76 (961023112)				**Sampled on 10/23/96**				
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/23/96	55915	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
				Regulated VOCs plus Lists 1&3				
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.5	ug/L		1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		
MW-962-09 (961023113)			**Sampled on 10/23/96**					
	10/24/96	55948	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	3.97	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	29	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	4.24	meq/l	0.0010	1
	10/25/96	56020	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	3.35	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/23/96	55915	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/28/96		(ML/S2510B)	Specific Conductance	360	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	140	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	163	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	20	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	10/25/96	56025	(ML/EPA 300.0)	Nitrate-N by IC	2.5	mg/l	0.10	1
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/28/96		(ML/S4500H-B)	Lab pH	8.5	Units	0.0010	1
	10/25/96	56031	(ML/EPA 300)	Sulfate	32	mg/l	2.0	1
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	10/29/96	56261	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.8	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	0.6	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(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	108	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		

MW-962-09 MS (961023114) Sampled on 10/23/96

Regulated VOCs plus Lists 1&3

	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	4.58	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.92	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.63	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	4.60	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	4.58	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	4.43	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.74	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.43	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	4.44	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-962-09 MSD (961023115) Sampled on 10/23/96

Regulated VOCs plus Lists 1&3

	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	4.33	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.59	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.68	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	4.51	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	4.47	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	4.33	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.92	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.31	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	4.32	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		

MW-962-11 (961023116) Sampled on 10/23/96

	10/24/96	55948	(ML/S2320B)	Alkalinity	210	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	7.73	meq/l	0.0010	1
11/08/96	12/04/96	57283	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	71	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	7.52	meq/l	0.0010	1
	10/25/96	56020	(ML/EPA 300)	Chloride	61	mg/l	2.0	2
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.05	mg/l	0.0010	1
11/08/96	11/11/96	57299	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/23/96	55915	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/28/96		(ML/S2510B)	Specific Conductance	700	umho/cm	4.0	1
11/08/96	11/11/96	57305	(EPA/ML 200.8)	Iron, Total, ICAP/MS	370	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	256	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	30	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	33	mg/l	1.0	1
	10/25/96	56025	(ML/EPA 300.0)	Nitrate-N by IC	8.7	mg/l	0.20	2
11/08/96	11/11/96	57313	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/28/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56031	(ML/EPA 300)	Sulfate	57	mg/l	4.0	2
	10/24/96	55997	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	10/29/96	56261	(ML/S2540C)	Total Dissolved Solids	440	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/24/96	56128	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/24/96	56128	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/24/96	56128	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/24/96	56128	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/24/96	56128	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/24/96	56128	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.4	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/24/96	56128	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/24/96	56128	(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	106	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		

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QC Batch #55915 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0509	101.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0521	104.2	(78.00 - 118.00)	2.3
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0534	106.8	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0521	104.2	(80.00 - 120.00)	2.5

QC Batch #55948 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.2	100.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	96.1	99.9	(90.00 - 110.00)	0.10
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	95.6	99.4	(80.00 - 120.00)	
MSD	Alkalinity	96.2	101	105.0	(80.00 - 120.00)	5.5

QC Batch #55997 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.373	93.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.382	95.5	(70.00 - 130.00)	2.4

QC Batch #56020 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.0	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25.0	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	28.2	112.8	(80.00 - 120.00)	
MSD	Chloride	25	28.2	112.8	(80.00 - 120.00)	0.00

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QC Batch #56025 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.53	101.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.54	101.6	(90.00 - 110.00)	0.39
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.61	104.4	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	0.38

QC Batch #56031 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.6	99.2	(90.00 - 110.00)	
LCS2	Sulfate	50	49.4	98.8	(90.00 - 110.00)	0.40
MBLK	Sulfate	ND				
MS	Sulfate	50	54.9	109.8	(70.00 - 130.00)	
MSD	Sulfate	50	54.8	109.6	(70.00 - 130.00)	0.18

QC Batch #56128 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.51	112.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.67	116.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.21	105.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.66	116.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.28	107.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				

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MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.60	115.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.21	105.2	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.15	103.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.66	95.8	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.41	110.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.85	121.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.49	112.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.24	106.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.15	103.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.44	111.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.26	106.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	4.56	114.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.06	103.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.67	91.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.37	109.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.17	104.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.13	103.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.14	103.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.26	106.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.53	76.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.16	104.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.82	110.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.78	119.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.67	116.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			

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MBLK	sec-Butylbenzene	ND				
MBLK	tert-Butylbenzene	ND				
LCS1	trans-1,2-Dichloroethylene	4	4.00	100.0	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #56261 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	176	100.6	(85.00 - 115.00)	3.5
MBLK	Total Dissolved Solids	ND				

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

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QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57283 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0232	116.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0221	110.5	(85.00 - 115.00)	4.9

QC Batch #57299 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	102	102.0	(85.00 - 115.00)	0.98
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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MS	Chromium, Total, ICAP/MS	100	97.9	97.9	(70.00 - 130.00)
MS	Chromium, Total, ICAP/MS	100	102.	102.0	(70.00 - 130.00)

QC Batch #57305 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	506	101.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	549	109.8	(85.00 - 115.00)	8.2
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	499.	99.8	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	518.	103.6	(70.00 - 130.00)	

QC Batch #57313 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	20.1	100.5	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	21.8	109.0	(85.00 - 115.00)	8.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.3	101.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	

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Report Summary of positive results, PR30072

			Result	MDL	UNITS
Analyzed	961023111	MW-962-77			
10/24/96	Data Entry		10/30/96		--
Analyzed	961023112	MW-962-76			
10/24/96	Data Entry		10/30/96		--
Analyzed	961023113	MW-962-09			
10/24/96	Bromodichloromethane		0.6	.500	UGL
10/24/96	Chloroform (Trichloromethane)		3.8	.500	UGL
10/24/96	Data Entry		10/30/96		--
10/24/96	Alkalinity		135	2.000	MGL
11/14/96	Anion Sum		3.97	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		163	.001	MGL
11/13/96	Calcium, Flame AA		29	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		3.35	.001	MGL
11/14/96	Cation Sum		4.24	.001	MEQL
10/25/96	Chloride		15	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		140	******	UGL
10/28/96	Lab pH		8.5	.001	UNIT
11/13/96	Magnesium, Flame AA		20	1.000	MGL
10/25/96	Nitrate-N by IC		2.5	.100	MGL
11/13/96	Potassium, Flame AA		2.2	1.000	MGL
11/13/96	Sodium, Flame AA		25	1.000	MGL
10/28/96	Specific Conductance		360	4.000	UMHO
10/25/96	Sulfate		32	2.000	MGL
10/29/96	Total Dissolved Solids		230	10.000	MGL
10/24/96	Total phosphorus-P		0.06	.050	MGL
Analyzed	961023114	MW-962-09 MS			
10/24/96	1,1-Dichloroethylene		4.58	.500	UGL
10/24/96	1,2,4-Trichlorobenzene		4.92	.500	UGL
10/24/96	Benzene		4.58	.500	UGL
10/24/96	Chlorobenzene		4.43	.500	UGL
10/24/96	Chloroform (Trichloromethane)		3.74	.500	UGL
10/24/96	Data Entry		11/05/96		--
10/24/96	Toluene		4.44	.500	UGL
10/24/96	Trichloroethylene (TCE)		4.43	.500	UGL
10/24/96	p-Chlorotoluene		4.60	.500	UGL
10/24/96	p-Dichlorobenzene (1,4-DCB)		4.63	.500	UGL
Analyzed	961023115	MW-962-09 MSD			
10/24/96	1,1-Dichloroethylene		4.33	.500	UGL
10/24/96	1,2,4-Trichlorobenzene		4.59	.500	UGL
10/24/96	Benzene		4.47	.500	UGL
10/24/96	Chlorobenzene		4.33	.500	UGL
10/24/96	Chloroform (Trichloromethane)		3.92	.500	UGL
10/24/96	Data Entry		11/05/96		--
10/24/96	Toluene		4.32	.500	UGL
10/24/96	Trichloroethylene (TCE)		4.31	.500	UGL
10/24/96	p-Chlorotoluene		4.51	.500	UGL
10/24/96	p-Dichlorobenzene (1,4-DCB)		4.68	.500	UGL

Analyzed	961023116 MW-962-11			
10/24/96	Data Entry	10/30/96		--
10/24/96	Tetrachloroethylene (PCE)	2.4	.500	UGL
10/24/96	Alkalinity	210	2.000	MGL
11/14/96	Anion Sum	7.73	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated	256	.001	MGL
11/13/96	Calcium, Flame AA	71	1.000	MGL
11/04/96	Carbonate as CO3, Calculated	1.05	.001	MGL
11/14/96	Cation Sum	7.52	.001	MEQL
10/25/96	Chloride	61	2.000	MGL
11/11/96	Iron, Total, ICAP/MS	370	******	UGL
10/28/96	Lab pH	7.8	.001	UNIT
11/13/96	Magnesium, Flame AA	30	1.000	MGL
10/25/96	Nitrate-N by IC	8.7	.200	MGL
11/13/96	Potassium, Flame AA	2.4	1.000	MGL
11/13/96	Sodium, Flame AA	33	1.000	MGL
10/28/96	Specific Conductance	700	4.000	UMHO
10/25/96	Sulfate	57	4.000	MGL
10/29/96	Total Dissolved Solids	440	10.000	MGL
10/24/96	Total phosphorus-P	0.05	.050	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30099 (MW-962-79; 78; 13)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries.
Samples requiring dilution (with increased MRL's):
Sample -13 was diluted for anions.
Method blanks with compounds detected:
None.
Other Comments:
Acetone was detected as a TIC at at low levels. Several other volatiles were detected.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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

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

Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30099
JPL

MONTGOMERY WATSON LABORATORIES

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Laboratory Report #30099

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

Samples Received
24-oct-1996 15:46:32

MW-962-79 (961024497) Sampled on 10/24/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#30099

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.9	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	104	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	93	% Rec		
MW-962-78 (961024498)				**Sampled on 10/24/96**				
11/09/96	12/05/96	57284	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/25/96	55971	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2	) 2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2	) o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) 4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2	) Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2	) Chlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		
MW-962-13 (961024499)			**Sampled on 10/24/96**					
	10/29/96	56175	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	8.04	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	73	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	7.70	meq/l	0.0010	1
	10/25/96	56020	(ML/EPA 300)	Chloride	71	mg/l	2.0	2
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.316	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/25/96	55971	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/31/96		(ML/S2510B)	Specific Conductance	780	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1600	ug/l	100	1
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	32	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	31	mg/l	1.0	1
	10/25/96	56025	(ML/EPA 300.0)	Nitrate-N by IC	9.9	mg/l	0.20	2
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/28/96		(ML/S4500H-B)	Lab pH	7.3	Units	0.0010	1
	10/25/96	56031	(ML/EPA 300)	Sulfate	64	mg/l	4.0	2
	11/06/96	56449	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	10/29/96	56261	(ML/S2540C)	Total Dissolved Solids	450	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/25/96	56123	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/25/96	56123	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/25/96	56123	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/25/96	56123	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/25/96	56123	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/25/96	56123	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.5	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/25/96	56123	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/25/96	56123	(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	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	111	% Rec		
			(Surrogate)	Toluene-d8	92	% Rec		

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Laboratory QC Report #30099

Foster Wheeler Environmental, Inc

QC Batch #55971 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0500	100.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0500	100.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0488	97.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0477	95.4	(80.00 - 120.00)	2.3

QC Batch #56020 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.0	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25.0	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	28.2	112.8	(80.00 - 120.00)	
MSD	Chloride	25	28.2	112.8	(80.00 - 120.00)	0.00

QC Batch #56025 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.53	101.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.54	101.6	(90.00 - 110.00)	0.39
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.61	104.4	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	0.38

QC Batch #56031 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.6	99.2	(90.00 - 110.00)	
LCS2	Sulfate	50	49.4	98.8	(90.00 - 110.00)	0.40
MBLK	Sulfate	ND				
MS	Sulfate	50	54.9	109.8	(70.00 - 130.00)	
MSD	Sulfate	50	54.8	109.6	(70.00 - 130.00)	0.18

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

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Laboratory
QC Report
#30099

Foster Wheeler Environmental, Inc
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QC Batch #56123 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.33	108.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.18	104.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.53	113.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.03	100.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.56	114.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.97	99.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.99	99.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.46	93.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	4.26	106.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	4.35	108.7	(70.00 - 130.00)	

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MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	5.01	125.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.31	107.7	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.19	104.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.05	101.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.23	105.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.08	102.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.46	111.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.00	100.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.70	92.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.43	110.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.21	105.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.08	102.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.15	103.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.44	72.0	(70.00 - 130.00)

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.76	109.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.54	113.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.44	111.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56175 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	94.9	98.6	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.6	99.4	(90.00 - 110.00)	0.73
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.7	98.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	94.7	98.3	(80.00 - 120.00)	0.00

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QC Batch #56261 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	176	100.6	(85.00 - 115.00)	3.5
MBLK	Total Dissolved Solids	ND				

QC Batch #56449 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.435	108.7	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	NA		(70.00 - 130.00)	0.00

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

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QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)	

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR30099

			Result	MDL	UNITS
Analyzed	961024497	MW-962-79			
10/25/96	Data Entry		11/07/96		--
Analyzed	961024498	MW-962-78			
10/25/96	Data Entry		11/07/96		--
Analyzed	961024499	MW-962-13			
10/25/96	Data Entry		10/30/96		--
10/25/96	Tetrachloroethylene (PCE)		2.5	.500	UGL
10/29/96	Alkalinity		200	2.000	MGL
11/14/96	Anion Sum		8.04	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		244	.001	MGL
11/13/96	Calcium, Flame AA		73	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		0.316	.001	MGL
11/14/96	Cation Sum		7.70	.001	MEQL
10/25/96	Chloride		71	2.000	MGL
11/11/96	Iron, Total, ICAP/MS		1600	******	UGL
10/28/96	Lab pH		7.3	.001	UNIT
11/13/96	Magnesium, Flame AA		32	1.000	MGL
10/25/96	Nitrate-N by IC		9.9	.200	MGL
11/13/96	Potassium, Flame AA		2.5	1.000	MGL
11/13/96	Sodium, Flame AA		31	1.000	MGL
10/31/96	Specific Conductance		780	4.000	UMHO
10/25/96	Sulfate		64	4.000	MGL
10/29/96	Total Dissolved Solids		450	10.000	MGL
11/06/96	Total phosphorus-P		0.05	.050	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30161 (MW-962-81; 80; 14; 12)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries except for Trichlorofluoromethane which was recovered above the QC limit in one LCS analyzed 10/28/96 (QIR MS-96-038). This analyte was not detected in any samples.

Samples requiring dilution (with increased MRL's):
Sample 14 was diluted for iron. Sample -12 was diluted for anions.

Method blanks with compounds detected:
None.

Other Comments:
Several volatiles were detected.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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

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

Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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Pasadena, California 91101
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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30161
JPL

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Laboratory Report #30161

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

Samples Received
25-oct-1996 16:33:10

MW-962-81 (961025286) Sampled on 10/25/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/28/96	56274	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/28/96	56274	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/28/96	56274	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#30161

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/28/96	56274	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/28/96	56274	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	116	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	88	% Rec		
MW-962-80 (961025287)			**Sampled on 10/25/96**					
11/09/96	12/05/96	57284	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/25/96	55971	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	10/28/96	56274	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,2-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 1,3-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 2,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 2-Butanone (MEK)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2	) 2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/28/96	56274	(ML/EPA 524.2	) o-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) p-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) 4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/28/96	56274	(EPA/SM 524.2	) Benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) Bromobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2	) Chlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/28/96	56274	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/28/96	56274	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	114	% Rec		
			(Surrogate)	Toluene-d8	87	% Rec		
MW-962-14 (961025288)			**Sampled on 10/25/96**					
	10/29/96	56175	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	6.08	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	55	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	5.55	meq/l	0.0010	1
	10/25/96	56020	(ML/EPA 300)	Chloride	44	mg/l	1.0	1
	11/04/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.160	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/25/96	55971	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/31/96		(ML/S2510B)	Specific Conductance	575	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	7200	ug/l	100	10
	11/04/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	1.8	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	25	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	16	mg/l	1.0	1
	10/25/96	56025	(ML/EPA 300.0)	Nitrate-N by IC	4.5	mg/l	0.10	1
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/28/96		(ML/S4500H-B)	Lab pH	7.1	Units	0.0010	1
	10/25/96	56031	(ML/EPA 300)	Sulfate	63	mg/l	2.0	1
	11/06/96	56449	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	10/29/96	56261	(ML/S2540C)	Total Dissolved Solids	340	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/28/96	56274	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/28/96	56274	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/28/96	56274	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/28/96	56274	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/28/96	56274	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/28/96	56274	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.1	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	10/28/96	56274	(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	114	% Rec		
			(Surrogate)	Toluene-d8	90	% Rec		

MW-962-12 (961025289) Sampled on 10/25/96

	11/04/96	56284	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	5.91	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	53	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	5.77	meq/l	0.0010	1
	10/25/96	56020	(ML/EPA 300)	Chloride	32	mg/l	2.0	2
	11/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.752	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/25/96	55971	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	10/31/96		(ML/S2510B)	Specific Conductance	570	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	800	ug/l	100	1
	11/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	231	mg/l	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	23	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1
	10/25/96	56025	(ML/EPA 300.0)	Nitrate-N by IC	4.4	mg/l	0.20	2
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	10/28/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	10/25/96	56031	(ML/EPA 300)	Sulfate	43	mg/l	4.0	2
	11/06/96	56449	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	10/29/96	56261	(ML/S2540C)	Total Dissolved Solids	340	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	10/28/96	56274	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	10/28/96	56274	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	10/28/96	56274	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/28/96	56274	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.9	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	10/28/96	56274	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	10/28/96	56274	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.5	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	10/28/96	56274	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	10/28/96	56274	(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	111	% Rec		
			(Surrogate)	Toluene-d8	90	% Rec		

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Report
Comments
#30161

Group Comments

(ML524) Trichlorofluoromethane recovered above QC limit in the LCS analyzed on 10/28/96. Reference QIR-MS-96-038.

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Laboratory QC Report #30161

Foster Wheeler Environmental, Inc

QC Batch #55971 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0500	100.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0500	100.0	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0488	97.6	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0477	95.4	(80.00 - 120.00)	2.3

QC Batch #56020 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.0	100.0	(90.00 - 110.00)	
LCS2	Chloride	25	25.0	100.0	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	28.2	112.8	(80.00 - 120.00)	
MSD	Chloride	25	28.2	112.8	(80.00 - 120.00)	0.00

QC Batch #56025 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.53	101.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.54	101.6	(90.00 - 110.00)	0.39
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.61	104.4	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	0.38

QC Batch #56031 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.6	99.2	(90.00 - 110.00)	
LCS2	Sulfate	50	49.4	98.8	(90.00 - 110.00)	0.40
MBLK	Sulfate	ND				
MS	Sulfate	50	54.9	109.8	(70.00 - 130.00)	
MSD	Sulfate	50	54.8	109.6	(70.00 - 130.00)	0.18

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

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Laboratory
QC Report
#30161

Foster Wheeler Environmental, Inc
(continued)

QC Batch #56175 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	94.9	98.6	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.6	99.4	(90.00 - 110.00)	0.73
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.7	98.3	(80.00 - 120.00)	
MSD	Alkalinity	96.2	94.7	98.3	(80.00 - 120.00)	0.00

QC Batch #56261 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	170	97.1	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	176	100.6	(85.00 - 115.00)	3.5
MBLK	Total Dissolved Solids	ND				

QC Batch #56274 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.66	116.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.47	111.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.20	105.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.80	120.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	5.00	125.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	5.20	130.0	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
(continued)

MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.16	104.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.28	107.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.14	101.8	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.82	120.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.39	109.7	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.34	108.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.68	117.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.54	113.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.91	97.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.34	108.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.88	122.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	5.19	129.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			

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Laboratory
QC Report
#30161

Foster Wheeler Environmental, Inc
(continued)

LCS1	Fluorotrichloromethane(Freon1)	2	2.65	132.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.82	95.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.90	122.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.80	120.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.66	116.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.50	112.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.55	113.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.89	94.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.32	108.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	10.1	126.2	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.70	117.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.74	118.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.60	115.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			

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(continued)

LCS1	trans-1,2-Dichloroethylene	4	4.71	117.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56284 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.2	99.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.9	99.7	(90.00 - 110.00)	0.73
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	91.6	95.2	(80.00 - 120.00)	2.3

QC Batch #56449 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.435	108.7	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	NA		(70.00 - 130.00)	0.00

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

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(continued)

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				

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(continued)

MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)	

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)	

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR30161

			Result	MDL	UNITS
Analyzed	961025286	MW-962-81			
10/28/96	Data Entry		11/04/96		--
Analyzed	961025287	MW-962-80			
10/28/96	Data Entry		11/04/96		--
Analyzed	961025288	MW-962-14			
10/28/96	Data Entry		11/04/96		--
10/28/96	Tetrachloroethylene (PCE)		1.1	.500	UGL
10/29/96	Alkalinity		160	2.000	MGL
11/14/96	Anion Sum		6.08	.001	MEQL
11/04/96	Bicarbonate as HCO3,calculated		195	.001	MGL
11/13/96	Calcium, Flame AA		55	1.000	MGL
11/04/96	Carbonate as CO3, Calculated		0.160	.001	MGL
11/14/96	Cation Sum		5.55	.001	MEQL
10/25/96	Chloride		44	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		7200	******	UGL
10/28/96	Lab pH		7.1	.001	UNIT
11/13/96	Magnesium, Flame AA		25	1.000	MGL
10/25/96	Nitrate-N by IC		4.5	.100	MGL
11/13/96	Potassium, Flame AA		1.8	1.000	MGL
11/13/96	Sodium, Flame AA		16	1.000	MGL
10/31/96	Specific Conductance		575	4.000	UMHO
10/25/96	Sulfate		63	2.000	MGL
10/29/96	Total Dissolved Solids		340	10.000	MGL
11/06/96	Total phosphorus-P		0.05	.050	MGL
Analyzed	961025289	MW-962-12			
10/28/96	Chloroform (Trichloromethane)		1.9	.500	UGL
10/28/96	Data Entry		11/04/96		--
10/28/96	Trichloroethylene (TCE)		1.5	.500	UGL
11/04/96	Alkalinity		190	2.000	MGL
11/14/96	Anion Sum		5.91	.001	MEQL
11/05/96	Bicarbonate as HCO3,calculated		231	.001	MGL
11/13/96	Calcium, Flame AA		53	1.000	MGL
11/05/96	Carbonate as CO3, Calculated		0.752	.001	MGL
11/14/96	Cation Sum		5.77	.001	MEQL
10/25/96	Chloride		32	2.000	MGL
11/11/96	Iron, Total, ICAP/MS		800	******	UGL
10/28/96	Lab pH		7.7	.001	UNIT
11/13/96	Magnesium, Flame AA		23	1.000	MGL
10/25/96	Nitrate-N by IC		4.4	.200	MGL
11/13/96	Potassium, Flame AA		2.0	1.000	MGL
11/13/96	Sodium, Flame AA		27	1.000	MGL
10/31/96	Specific Conductance		570	4.000	UMHO
10/25/96	Sulfate		43	4.000	MGL
10/29/96	Total Dissolved Solids		340	10.000	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30212 (MW-962-83; 82; 15)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries.

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

Method blanks with compounds detected:
None.

Other Comments:
Acetone was detected as a TIC at low levels. Several other volatiles were detected.

Sincerely,

A Eaton

Andrew Eaton, PhD
Laboratory Director

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1 Science Court
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Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30212
JPL

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Laboratory Report #30212

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

Samples Received
29-oct-1996 14:37:45

MW-962-83 (961029052) Sampled on 10/29/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#30212

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	102	% Rec		
MW-962-82 (961029053)			**Sampled on 10/29/96**					
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/30/96	56176	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	114	% Rec		
			(Surrogate	) Toluene-d8	98	% Rec		
MW-962-15 (961029054)			**Sampled on 10/29/96**					
	11/04/96	56284	(ML/S2320B	) Alkalinity	120	mg/l	2.0	1
	11/14/96		(ML/SM1040	) Anion Sum	3.19	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B	) Calcium, Flame AA	33	mg/l	1.0	1
	11/14/96		(ML/SM1040	) Cation Sum	3.34	meq/l	0.0010	1
	10/30/96	56204	(ML/EPA 300	) Chloride	6.4	mg/l	1.0	1
	11/05/96		(ML/S2320-B	) Carbonate as CO3, Calculated	0.300	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/30/96	56176	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B	) Specific Conductance	300	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8	) Iron, Total, ICAP/MS	510	ug/l	100	1
	11/05/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	146	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B	) Potassium, Flame AA	2.3	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B	) Magnesium, Flame AA	13	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B	) Sodium, Flame AA	13	mg/l	1.0	1
	10/30/96	56206	(ML/EPA 300.0	) Nitrate-N by IC	0.9	mg/l	0.10	1
11/09/96	11/11/96	57316	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/01/96		(ML/S4500H-B	) Lab pH	7.5	Units	0.0010	1
	10/30/96	56207	(ML/EPA 300	) Sulfate	26	mg/l	2.0	1
	11/06/96	56449	(ML/EPA 365.2	) Total phosphorus-P	ND	mg/l	0.050	1
	11/04/96	56441	(ML/S2540C	) Total Dissolved Solids	200	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.9	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Laboratory QC Report #30212

Foster Wheeler Environmental, Inc

QC Batch #56176 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0481	96.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0481	96.2	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0494	98.8	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0506	101.2	(80.00 - 120.00)	2.4

QC Batch #56204 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.6	98.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.6	98.4	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	26.1	104.4	(80.00 - 120.00)	
MSD	Chloride	25	25.9	103.6	(80.00 - 120.00)	0.77

QC Batch #56206 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.52	100.8	(90.00 - 110.00)	0.40
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.51	100.4	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.50	100.0	(80.00 - 120.00)	0.40

QC Batch #56207 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.2	98.4	(90.00 - 110.00)	
LCS2	Sulfate	50	49.1	98.2	(90.00 - 110.00)	0.20
MBLK	Sulfate	ND				
MS	Sulfate	50	51.7	103.4	(70.00 - 130.00)	
MSD	Sulfate	50	51.6	103.2	(70.00 - 130.00)	0.19

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56284 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.2	99.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.9	99.7	(90.00 - 110.00)	0.73
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	91.6	95.2	(80.00 - 120.00)	2.3

QC Batch #56441 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	168	96.0	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	5.8
MBLK	Total Dissolved Solids	ND				

QC Batch #56449 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.435	108.7	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	NA		(70.00 - 130.00)	0.00

QC Batch #56455 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	5.13	128.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.61	115.3	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				

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Laboratory
QC Report
#30212

Foster Wheeler Environmental, Inc
(continued)

LCS1	1,1,2-Trichloroethane	4	4.60	115.0	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	4.65	116.3	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.85	121.2	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.79	119.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.76	119.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.51	112.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	9.11	113.9	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.80	120.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.81	120.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.62	115.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	5.20	130.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.59	114.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.57	114.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.78	119.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.61	115.3	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.98	124.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.49	124.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.91	97.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.68	117.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	5.06	126.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.91	122.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.67	116.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.57	114.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.74	87.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.52	113.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	10.4	130.0	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			

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Foster Wheeler Environmental, Inc
(continued)

LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.82	120.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.61	115.3	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.72	118.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.75	118.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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(continued)

MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)	

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR30212

			Result	MDL	UNITS
Analyzed	961029052	MW-962-83			
11/04/96	Data Entry		11/07/96		--
Analyzed	961029053	MW-962-82			
11/04/96	Data Entry		11/07/96		--
Analyzed	961029054	MW-962-15			
11/04/96	Chloroform (Trichloromethane)		0.6	.500	UGL
11/04/96	Data Entry		11/07/96		--
11/04/96	Alkalinity		120	2.000	MGL
11/14/96	Anion Sum		3.19	.001	MEQL
11/05/96	Bicarbonate as HCO3,calculated		146	.001	MGL
11/13/96	Calcium, Flame AA		33	1.000	MGL
11/05/96	Carbonate as CO3, Calculated		0.300	.001	MGL
11/14/96	Cation Sum		3.34	.001	MEQL
10/30/96	Chloride		6.4	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		510	******	UGL
11/01/96	Lab pH		7.5	.001	UNIT
11/13/96	Magnesium, Flame AA		13	1.000	MGL
10/30/96	Nitrate-N by IC		0.9	.100	MGL
11/13/96	Potassium, Flame AA		2.3	1.000	MGL
11/13/96	Sodium, Flame AA		13	1.000	MGL
11/07/96	Specific Conductance		300	4.000	UMHO
10/30/96	Sulfate		26	2.000	MGL
11/04/96	Total Dissolved Solids		200	10.000	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30259 (MW-962-85; 84; 02)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. For anion analysis (chloride, sulfate, nitrate) the original run within holding time was halted by instrument malfunction before the final QC samples were run. These were rerun after holding time with results within the control limits.(ref QIR MET-96-020)

Samples requiring dilution (with increased MRL's):
Sample 02 was diluted for anions.

Method blanks with compounds detected:
None.

Other Comments:
Methylene chloride was detected in one sample at the reporting limit. Acetone was detected as a TIC at low levels. Several other volatiles were detected.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
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Madison Division
1 Science Court
Madison, Wisconsin 53711
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Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30259
JPL

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
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Laboratory
Report
#30259

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

Samples Received
30-oct-1996 17:07:51

MW-962-85 (961030143) Sampled on 10/30/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	0.5	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-84 (961030144)				**Sampled on 10/30/96**				
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/31/96	56212	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
				Regulated VOCs plus Lists 1&3				
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-02 (961030145)			**Sampled on 10/30/96**					
	11/04/96	56284	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	6.77	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	68	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	6.86	meq/l	0.0010	1
	11/01/96	56303	(ML/EPA 300)	Chloride	51	mg/l	2.0	2
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.464	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/31/96	56212	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	595	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	226	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	26	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	29	mg/l	1.0	1
	11/01/96	56305	(ML/EPA 300.0)	Nitrate-N by IC	8.6	mg/l	0.20	2
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/05/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	11/01/96	56307	(ML/EPA 300)	Sulfate	49	mg/l	4.0	2
	11/06/96	56449	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	11/04/96	56441	(ML/S2540C)	Total Dissolved Solids	410	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.5	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Report
Comments
#30259

(961030145)

CL

See QIR-MET-96-20

NO3

See QIR-MET-96-20

SO4

See QIR-MET-96-20

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Laboratory QC Report #30259

Foster Wheeler Environmental, Inc

QC Batch #56212 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0486	97.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0498	99.6	(78.00 - 118.00)	2.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0486	97.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0474	94.8	(80.00 - 120.00)	2.5

QC Batch #56284 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.2	99.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.9	99.7	(90.00 - 110.00)	0.73
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	91.6	95.2	(80.00 - 120.00)	2.3

QC Batch #56303 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.6	98.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.7	98.8	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	26.9	107.6	(80.00 - 120.00)	
MSD	Chloride	25	26.9	107.6	(80.00 - 120.00)	0.00

QC Batch #56305 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.48	99.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	1.2
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	0.00

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56307 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sulfate	50	49.5	99.0	(90.00 - 110.00)	0.81
MBLK	Sulfate	ND				
MS	Sulfate	50	52.7	105.4	(70.00 - 130.00)	
MSD	Sulfate	50	52.8	105.6	(70.00 - 130.00)	0.19

QC Batch #56441 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	168	96.0	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	5.8
MBLK	Total Dissolved Solids	ND				

QC Batch #56449 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.435	108.7	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	NA		(70.00 - 130.00)	0.00

QC Batch #56455 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	5.13	128.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.61	115.3	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				

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(continued)

LCS1	1,1,2-Trichloroethane	4	4.60	115.0	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	4.65	116.3	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.85	121.2	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.79	119.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.76	119.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.51	112.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	9.11	113.9	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.80	120.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.81	120.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.62	115.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	5.20	130.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.59	114.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.57	114.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.78	119.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.61	115.3	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.98	124.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.49	124.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.91	97.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.68	117.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	5.06	126.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.91	122.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.67	116.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.57	114.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.74	87.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.52	113.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	10.4	130.0	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			

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

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Laboratory QC Report #30259

Foster Wheeler Environmental, Inc
(continued)

LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.82	120.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.61	115.3	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.72	118.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.75	118.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)	

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR30259

			Result	MDL	UNITS
Analyzed	961030143	MW-962-85			
11/04/96	Data Entry		11/07/96		--
11/04/96	Dichloromethane		0.5	.500	UGL
Analyzed	961030144	MW-962-84			
11/04/96	Data Entry		11/07/96		--
Analyzed	961030145	MW-962-02			
11/04/96	Data Entry		11/07/96		--
11/04/96	Tetrachloroethylene (PCE)		2.5	.500	UGL
11/04/96	Alkalinity		185	2.000	MGL
11/14/96	Anion Sum		6.77	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		226	.001	MGL
11/13/96	Calcium, Flame AA		68	1.000	MGL
11/14/96	Carbonate as CO3, Calculated		0.464	.001	MGL
11/14/96	Cation Sum		6.86	.001	MEQL
11/01/96	Chloride		51	2.000	MGL
11/11/96	Iron, Total, ICAP/MS		130	******	UGL
11/05/96	Lab pH		7.5	.001	UNIT
11/13/96	Magnesium, Flame AA		26	1.000	MGL
11/01/96	Nitrate-N by IC		8.6	.200	MGL
11/13/96	Potassium, Flame AA		2.3	1.000	MGL
11/13/96	Sodium, Flame AA		29	1.000	MGL
11/07/96	Specific Conductance		595	4.000	UMHO
11/01/96	Sulfate		49	4.000	MGL
11/04/96	Total Dissolved Solids		410	10.000	MGL
11/06/96	Total phosphorus-P		0.05	.050	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30293 (MW-962-86; 87; 01; 03; 03MS; 03 MSD)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. For anion analysis (chloride, sulfate, nitrate) the original run within holding time was halted by instrument malfunction before the final QC samples were run. These were rerun after holding time with results within the control limits.(ref QIR MET-96-020)

Samples requiring dilution (with increased MRL's):
Sample 01 was diluted for anions and iron. Sample -03 was diluted for anions.

Method blanks with compounds detected:
None.

Other Comments:
Several other volatiles were detected. Sample -03 was used as an MS and MSD for volatiles.

Sincerely,

A Eaton

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
Pasadena, California 91101
Tel: 818 568 6400
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Madison Division
1 Science Court
Madison, Wisconsin 53711
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Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30293
JPL

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Laboratory Report #30293

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

Samples Received
31-oct-1996 15:34:45

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-962-86 (961031590)			**Sampled on 10/31/96**					
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/31/96	56212	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(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	118	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-962-87 (961031591) Sampled on 10/31/96

Regulated VOCs plus Lists 1&3

	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	89	% Rec		
			(Surrogate)	4-Bromofluorobenzene	114	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		
MW-962-01 (961031592)			**Sampled on 10/31/96**					
	11/04/96	56284	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	11/14/96		(ML/SM1040)	Anion Sum	7.41	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/13/96	56687	(ML/S3111B)	Calcium, Flame AA	73	mg/l	1.0	1
	11/14/96		(ML/SM1040)	Cation Sum	7.62	meq/l	0.0010	1
	11/01/96	56303	(ML/EPA 300)	Chloride	56	mg/l	2.0	2
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.752	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/31/96	56212	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	655	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2100	ug/l	100	10
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	231	mg/l	0.0010	1
	11/13/96	56684	(ML/S3111B)	Potassium, Flame AA	2.7	mg/l	1.0	1
	11/13/96	56686	(ML/S3111B)	Magnesium, Flame AA	30	mg/l	1.0	1
	11/13/96	56685	(ML/S3111B)	Sodium, Flame AA	33	mg/l	1.0	1
	11/01/96	56305	(ML/EPA 300.0)	Nitrate-N by IC	9.7	mg/l	0.20	2
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/06/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	11/01/96	56307	(ML/EPA 300)	Sulfate	64	mg/l	4.0	2
	11/06/96	56449	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/04/96	56441	(ML/S2540C)	Total Dissolved Solids	440	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc ,
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	3.1	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(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	91	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-03 (961031593)			**Sampled on 10/31/96**					
	11/04/96	56284	(ML/S2320B)	Alkalinity	225	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	9.51	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	100	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	9.73	meq/l	0.0010	1
	11/01/96	56303	(ML/EPA 300)	Chloride	91	mg/l	2.0	2
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.563	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	10/31/96	56212	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	850	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	540	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	274	mg/l	0.0010	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	3.0	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	37	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	37	mg/l	1.0	1
	11/01/96	56305	(ML/EPA 300.0)	Nitrate-N by IC	9.4	mg/l	0.20	2
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/06/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	11/01/96	56307	(ML/EPA 300)	Sulfate	85	mg/l	4.0	2
	11/06/96	56449	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/04/96	56441	(ML/S2540C)	Total Dissolved Solids	550	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.6	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.9	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.2	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	109	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

MW-962-03 MS (961031594) Sampled on 10/31/96

Regulated VOCs plus Lists 1&3

	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	4.94	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.75	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.10	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	4.14	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	3.80	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	3.94	ug/l	0.50	1

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Laboratory
Report
#30293

Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.12	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.67	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	4.15	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-962-03 MSD (961031595) Sampled on 10/31/96

Regulated VOCs plus Lists 1&3

	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	3.33	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.00	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.39	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	4.58	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	4.05	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	4.19	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.39	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.75	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	4.44	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Report
Comments
#30293

(961031592)
CL
See QIR-MET-96-20
NO3
See QIR-MET-96-20
SO4
See QIR-MET-96-20

(961031593)
CL
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NO3
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SO4
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Laboratory QC Report #30293

Foster Wheeler Environmental, Inc

QC Batch #56212 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0486	97.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0498	99.6	(78.00 - 118.00)	2.4
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0486	97.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0474	94.8	(80.00 - 120.00)	2.5

QC Batch #56284 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.2	99.0	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.9	99.7	(90.00 - 110.00)	0.73
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	91.6	95.2	(80.00 - 120.00)	2.3

QC Batch #56303 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.6	98.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.7	98.8	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	26.9	107.6	(80.00 - 120.00)	
MSD	Chloride	25	26.9	107.6	(80.00 - 120.00)	0.00

QC Batch #56305 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.48	99.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	1.2
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	0.00

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

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(continued)

QC Batch #56307 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sulfate	50	49.5	99.0	(90.00 - 110.00)	0.81
MBLK	Sulfate	ND				
MS	Sulfate	50	52.7	105.4	(70.00 - 130.00)	
MSD	Sulfate	50	52.8	105.6	(70.00 - 130.00)	0.19

QC Batch #56441 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	168	96.0	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	5.8
MBLK	Total Dissolved Solids	ND				

QC Batch #56449 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.435	108.7	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	NA		(70.00 - 130.00)	0.00

QC Batch #56455 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	5.13	128.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.61	115.3	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				

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LCS1	1,1,2-Trichloroethane	4	4.60	115.0	(70.00 - 130.00)
MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	4.65	116.3	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	4.85	121.2	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	4.79	119.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	4.76	119.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	4.51	112.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	9.11	113.9	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.80	120.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.81	120.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.62	115.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	5.20	130.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.59	114.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.57	114.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			

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Foster Wheeler Environmental, Inc
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MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.78	119.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.61	115.3	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.98	124.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.49	124.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.91	97.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.68	117.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	5.06	126.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.91	122.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.67	116.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.57	114.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.74	87.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.52	113.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	10.4	130.0	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			

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

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LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.82	120.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.61	115.3	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.72	118.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.75	118.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #56489 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.91	97.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.46	86.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.86	96.5	(70.00 - 130.00)	

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Laboratory
QC Report
#30293

Foster Wheeler Environmental, Inc
(continued)

MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	8.04	100.5	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.99	99.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.22	105.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.52	113.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.28	107.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.11	102.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.77	94.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.30	107.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.19	109.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.31	107.7	(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	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.16	104.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.25	106.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.18	104.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.96	99.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	3.27	81.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.43	71.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.81	95.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.94	111.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.45	111.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.35	108.7	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.68	92.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56684 Potassium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.48
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.8	109.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.6	108.0	(80.00 - 120.00)	0.92

QC Batch #56685 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	53.3	106.6	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.7	101.4	(90.00 - 110.00)	5.0
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	53.8	107.6	(80.00 - 120.00)	0.00

QC Batch #56686 Magnesium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	21.1	105.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	21.0	105.0	(90.00 - 110.00)	0.48
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #56687 Calcium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	2.0
MBLK	Calcium, Flame AA	ND				

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Foster Wheeler Environmental, Inc
(continued)

MS	Calcium, Flame AA	50	53.0	106.0	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.95

QC Batch #56911 Potassium, Flame AA

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

QC Batch #56912 Sodium, Flame AA

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

QC Batch #56915 Magnesium, Flame AA

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56916 Calcium, Flame AA

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

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)	

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		

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(continued)

MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

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Report Summary of positive results, PR30293

			Result	MDL	UNITS
Analyzed	961031590	MW-962-86			
11/04/96	Data Entry		11/07/96		--
Analyzed	961031591	MW-962-87			
11/04/96	Data Entry		11/07/96		--
Analyzed	961031592	MW-962-01			
11/04/96	Data Entry		11/07/96		--
11/04/96	Tetrachloroethylene (PCE)		3.1	.500	UGL
11/04/96	Alkalinity		190	2.000	MGL
11/14/96	Anion Sum		7.41	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		231	.001	MGL
11/13/96	Calcium, Flame AA		73	1.000	MGL
11/14/96	Carbonate as CO3, Calculated		0.752	.001	MGL
11/14/96	Cation Sum		7.62	.001	MEQL
11/01/96	Chloride		56	2.000	MGL
11/11/96	Iron, Total, ICAP/MS		2100	******	UGL
11/06/96	Lab pH		7.7	.001	UNIT
11/13/96	Magnesium, Flame AA		30	1.000	MGL
11/01/96	Nitrate-N by IC		9.7	.200	MGL
11/13/96	Potassium, Flame AA		2.7	1.000	MGL
11/13/96	Sodium, Flame AA		33	1.000	MGL
11/07/96	Specific Conductance		655	4.000	UMHO
11/01/96	Sulfate		64	4.000	MGL
11/04/96	Total Dissolved Solids		440	10.000	MGL
Analyzed	961031593	MW-962-03			
11/04/96	Data Entry		11/07/96		--
11/04/96	Tetrachloroethylene (PCE)		1.6	.500	UGL
11/04/96	Trichloroethylene (TCE)		0.9	.500	UGL
11/04/96	Alkalinity		225	2.000	MGL
12/06/96	Anion Sum		9.51	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		274	.001	MGL
11/14/96	Calcium, Flame AA		100	1.000	MGL
11/14/96	Carbonate as CO3, Calculated		0.563	.001	MGL
12/06/96	Cation Sum		9.73	.001	MEQL
11/01/96	Chloride		91	2.000	MGL
11/11/96	Iron, Total, ICAP/MS		540	******	UGL
11/06/96	Lab pH		7.5	.001	UNIT
11/14/96	Magnesium, Flame AA		37	1.000	MGL
11/01/96	Nitrate-N by IC		9.4	.200	MGL
11/14/96	Potassium, Flame AA		3.0	1.000	MGL
11/14/96	Sodium, Flame AA		37	1.000	MGL
11/07/96	Specific Conductance		850	4.000	UMHO
11/01/96	Sulfate		85	4.000	MGL
11/04/96	Total Dissolved Solids		550	10.000	MGL
Analyzed	961031594	MW-962-03 MS			
11/05/96	1,1-Dichloroethylene		4.94	.500	UGL
11/05/96	1,2,4-Trichlorobenzene		3.75	.500	UGL
11/05/96	Benzene		3.80	.500	UGL

11/05/96	Chlorobenzene	3.94	.500	UGL
11/05/96	Chloroform (Trichloromethane)	4.12	.500	UGL
11/05/96	Data Entry	11/11/96		--
11/05/96	Toluene	4.15	.500	UGL
11/05/96	Trichloroethylene (TCE)	3.67	.500	UGL
11/05/96	p-Chlorotoluene	4.14	.500	UGL
11/05/96	p-Dichlorobenzene (1,4-DCB)	4.10	.500	UGL

Analyzed 961031595 MW-962-03 MSD

11/05/96	1,1-Dichloroethylene	3.33	.500	UGL
11/05/96	1,2,4-Trichlorobenzene	4.00	.500	UGL
11/05/96	Benzene	4.05	.500	UGL
11/05/96	Chlorobenzene	4.19	.500	UGL
11/05/96	Chloroform (Trichloromethane)	4.39	.500	UGL
11/05/96	Data Entry	11/11/96		--
11/05/96	Toluene	4.44	.500	UGL
11/05/96	Trichloroethylene (TCE)	3.75	.500	UGL
11/05/96	p-Chlorotoluene	4.58	.500	UGL
11/05/96	p-Dichlorobenzene (1,4-DCB)	4.39	.500	UGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30319 (MW-962-89; 88; 04;)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. For anion analysis (chloride, sulfate, nitrate) the original run within holding time was halted by instrument malfunction before the final QC samples were run. These were rerun after holding time with results within the control limits.(ref QIR MET-96-020)

Samples requiring dilution (with increased MRL's):
Sample 04 was diluted for cations and for anions.

Method blanks with compounds detected:
None.

Other Comments:
THF and acetone were detected in several samples at low levels as TIC. Several other volatiles were detected.

Sincerely,

A. Eaton

Andrew Eaton, PhD
Laboratory Director

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE*

Report#: 30319
JPL

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Laboratory Report #30319

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

Samples Received
01-nov-1996 12:51:31

MW-962-89 (961101315) Sampled on 11/01/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#30319

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.0	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	98	% Rec		
MW-962-88 (961101316)			**Sampled on 11/01/96**					
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/01/96	56519	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Tetrahydrofuran	1.1	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	99	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-04 (961101317)			**Sampled on 11/01/96**					
	11/06/96	56459	(ML/S2320B)	Alkalinity	255	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	12.4	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	130	mg/l	5.0	5
	12/06/96		(ML/SM1040)	Cation Sum	12.9	meq/l	0.0010	1
	11/01/96	56303	(ML/EPA 300)	Chloride	125	mg/l	3.0	3
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.403	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/01/96	56519	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	1120	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	170	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	311	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	49	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	53	mg/l	1.0	1
	11/01/96	56305	(ML/EPA 300.0)	Nitrate-N by IC	8.8	mg/l	0.30	3
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/06/96		(ML/S4500H-B)	Lab pH	7.3	Units	0.0010	1
	11/01/96	56307	(ML/EPA 300)	Sulfate	150	mg/l	6.0	3
	11/06/96	56449	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	11/04/96	56441	(ML/S2540C)	Total Dissolved Solids	730	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/04/96	56455	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/04/96	56455	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/04/96	56455	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/04/96	56455	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/04/96	56455	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/04/96	56455	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.3	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.6	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/04/96	56455	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.4	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

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Report
Comments
#30319

(961101317)

CL

See QIR-MET-96-20

NO3

See QIR-MET-96-20

SO4

See QIR-MET-96-20

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Laboratory QC Report #30319

Foster Wheeler Environmental, Inc

QC Batch #56303 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.6	98.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.7	98.8	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	26.9	107.6	(80.00 - 120.00)	
MSD	Chloride	25	26.9	107.6	(80.00 - 120.00)	0.00

QC Batch #56305 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.48	99.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.51	100.4	(90.00 - 110.00)	1.2
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.60	104.0	(80.00 - 120.00)	0.00

QC Batch #56307 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.1	98.2	(90.00 - 110.00)	
LCS2	Sulfate	50	49.5	99.0	(90.00 - 110.00)	0.81
MBLK	Sulfate	ND				
MS	Sulfate	50	52.7	105.4	(70.00 - 130.00)	
MSD	Sulfate	50	52.8	105.6	(70.00 - 130.00)	0.19

QC Batch #56441 Total Dissolved Solids

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	168	96.0	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	178	101.7	(85.00 - 115.00)	5.8
MBLK	Total Dissolved Solids	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56449 Total phosphorus-P

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.50	100.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.51	102.0	(80.00 - 120.00)	2.0
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.435	108.7	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	NA		(70.00 - 130.00)	0.00

QC Batch #56455 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	5.13	128.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.61	115.3	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.60	115.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.65	116.3	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.85	121.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.79	119.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.76	119.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	4.51	112.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	9.11	113.9	(70.00 - 130.00)	

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	4.80	120.0	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.81	120.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.62	115.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	5.20	130.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	4.59	114.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.57	114.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.78	119.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.61	115.3	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.98	124.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.49	124.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.91	97.8	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.68	117.0	(70.00 - 130.00)

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	5.06	126.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.91	122.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	4.67	116.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	4.57	114.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.74	87.0	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.52	113.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	10.4	130.0	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.82	120.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.61	115.3	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.72	118.0	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	4.75	118.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56459 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.7	99.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.7	99.5	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	107	111.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.8	101.7	(80.00 - 120.00)	9.0

QC Batch #56519 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0476	95.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0476	95.2	(78.00 - 118.00)	0.00
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0489	97.8	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0489	97.8	(80.00 - 120.00)	0.00

QC Batch #56911 Potassium, Flame AA

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

QC Batch #56912 Sodium, Flame AA

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	50.4	100.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.9	101.8	(90.00 - 110.00)	0.99
MBLK	Sodium, Flame AA	ND				

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

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Foster Wheeler Environmental, Inc
(continued)

MS	Sodium, Flame AA	50	52.3	104.6	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	52.5	105.0	(80.00 - 120.00)	0.38

QC Batch #56915 Magnesium, Flame AA

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

QC Batch #56916 Calcium, Flame AA

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

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)	

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)	

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR30319

			Result	MDL	UNITS
Analyzed	961101315	MW-962-89			
11/04/96	Data Entry		11/07/96		--
Analyzed	961101316	MW-962-88			
11/04/96	Data Entry		11/06/96		--
Analyzed	961101317	MW-962-04			
11/04/96	Chloroform (Trichloromethane)		0.6	.500	UGL
11/04/96	Data Entry		11/07/96		--
11/04/96	Tetrachloroethylene (PCE)		2.3	.500	UGL
11/04/96	Trichloroethylene (TCE)		0.6	.500	UGL
11/06/96	Alkalinity		255	2.000	MGL
12/06/96	Anion Sum		12.4	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		311	.001	MGL
11/14/96	Calcium, Flame AA		130	5.000	MGL
11/14/96	Carbonate as CO3, Calculated		0.403	.001	MGL
12/06/96	Cation Sum		12.9	.001	MEQL
11/01/96	Chloride		125	3.000	MGL
11/11/96	Iron, Total, ICAP/MS		170	******	UGL
11/06/96	Lab pH		7.3	.001	UNIT
11/14/96	Magnesium, Flame AA		49	1.000	MGL
11/01/96	Nitrate-N by IC		8.8	.300	MGL
11/14/96	Potassium, Flame AA		3.1	1.000	MGL
11/14/96	Sodium, Flame AA		53	1.000	MGL
11/07/96	Specific Conductance		1120	4.000	UMHO
11/01/96	Sulfate		150	6.000	MGL
11/04/96	Total Dissolved Solids		730	10.000	MGL
11/06/96	Total phosphorus-P		0.05	.050	MGL

MONTGOMERY WATSON LABORATORIES

December 6, 1996

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

Attention: Mark Cutler

Re: Report # 30364 (MW-962-91; 90; 29; 30; 31)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries.
Samples requiring dilution (with increased MRL's):
Sample -30 and 31 was diluted for anions.
Method blanks with compounds detected:
None.
Other Comments:
Acetone was detected as a TIC at low levels along with carbon disulfide. Several other volatiles were detected.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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

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

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 06 1996

ADE* A Eaton

Report#: 30364
JPL

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report #30364

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

Samples Received
04-nov-1996 15:09:45

MW-962-91 (961104054) Sampled on 11/04/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	118	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	100	% Rec		
MW-962-90 (961104055)			**Sampled on 11/04/96**					
11/09/96	12/05/96	57284	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2	) 2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2	) o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2	) Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) Chlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.9	ug/L		1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) 1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	119	% Rec		
			(Surrogate	) Toluene-d8	100	% Rec		
MW-962-29 (961104056)			**Sampled on 11/04/96**					
	11/06/96	56459	(ML/S2320B	) Alkalinity	145	mg/l	2.0	1
	12/06/96		(ML/SM1040	) Anion Sum	3.45	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9	) Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B	) Calcium, Flame AA	19	mg/l	1.0	1
	12/06/96		(ML/SM1040	) Cation Sum	3.65	meq/l	0.0010	1
	11/06/96	56460	(ML/EPA 300	) Chloride	7.8	mg/l	1.0	1
	11/14/96		(ML/S2320-B	) Carbonate as CO3, Calculated	5.70	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8	) Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196	) Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B	) Specific Conductance	280	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8	) Iron, Total, ICAP/MS	400	ug/l	100	1
	11/14/96		(ML/S2320B	) Bicarbonate as HCO3,calculated	175	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B	) Potassium, Flame AA	2.4	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B	) Magnesium, Flame AA	12	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B	) Sodium, Flame AA	38	mg/l	1.0	1
	11/06/96	56467	(ML/EPA 300.0	) Nitrate-N by IC	0.2	mg/l	0.10	1
11/09/96	11/11/96	57316	(EPA/ML 200.8	) Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/06/96		(ML/S4500H-B	) Lab pH	8.7	Units	0.0010	1
	11/06/96	56468	(ML/EPA 300	) Sulfate	15	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2	) Total phosphorus-P	ND	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C	) Total Dissolved Solids	200	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1
			(EPA 524.2)	Carbon disulfide	1.3	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	91	% Rec		
			(Surrogate)	4-Bromofluorobenzene	114	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-30 (961104057)			**Sampled on 11/04/96**					
	11/06/96	56459	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.55	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	45	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.96	meq/l	0.0010	1
	11/06/96	56460	(ML/EPA 300)	Chloride	25	mg/l	2.0	2
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.878	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	420	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	170-	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1
	11/06/96	56467	(ML/EPA 300.0)	Nitrate-N by IC	10	mg/l	0.20	2
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/06/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	11/06/96	56468	(ML/EPA 300)	Sulfate	16	mg/l	4.0	2
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	11/11/96	57091	(ML/S2540C)	Total Dissolved Solids	300	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-31 (961104058)			**Sampled on 11/04/96**					
	11/06/96	56459	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	8.71	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	73	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	8.64	meq/l	0.0010	1
	11/06/96	56460	(ML/EPA 300)	Chloride	85	mg/l	2.0	2
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.01	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	765	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	3.2	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	39	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	39	mg/l	1.0	1
	11/06/96	56467	(ML/EPA 300.0)	Nitrate-N by IC	13	mg/l	0.20	2
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/06/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	11/06/96	56468	(ML/EPA 300)	Sulfate	105	mg/l	4.0	2
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/11/96	57091	(ML/S2540C)	Total Dissolved Solids	530	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(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	113	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

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Laboratory QC Report #30364

Foster Wheeler Environmental, Inc

QC Batch #56381 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0493	98.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0506	101.2	(78.00 - 118.00)	2.6
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0531	106.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0506	101.2	(80.00 - 120.00)	4.8

QC Batch #56459 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.7	99.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.7	99.5	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	107	111.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.8	101.7	(80.00 - 120.00)	9.0

QC Batch #56460 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.7	94.8	(90.00 - 110.00)	
LCS2	Chloride	25	23.6	94.4	(90.00 - 110.00)	0.42
MBLK	Chloride	ND				
MS	Chloride	25	26.5	106.0	(80.00 - 120.00)	
MSD	Chloride	25	26.5	106.0	(80.00 - 120.00)	0.00

QC Batch #56467 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.44	97.6	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.43	97.2	(90.00 - 110.00)	0.41
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.50	100.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.48	99.2	(80.00 - 120.00)	0.80

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56468 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.5	95.0	(90.00 - 110.00)	
LCS2	Sulfate	50	47.2	94.4	(90.00 - 110.00)	0.63
MBLK	Sulfate	ND				
MS	Sulfate	50	52.1	104.2	(70.00 - 130.00)	
MSD	Sulfate	50	51.9	103.8	(70.00 - 130.00)	0.38

QC Batch #56489 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.91	97.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.46	86.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.04	100.5	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
(continued)

MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.99	99.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.22	105.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.52	113.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.28	107.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.11	102.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.77	94.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.30	107.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.19	109.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.31	107.7	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.16	104.0	(70.00 - 130.00)

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.25	106.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.18	104.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.96	99.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	3.27	81.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.43	71.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.81	95.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.94	111.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.45	111.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.35	108.7	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.68	92.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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Laboratory QC Report #30364

Foster Wheeler Environmental, Inc
(continued)

QC Batch #56600 — Total Dissolved Solids

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

QC Batch #56837 — Total phosphorus-P

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

QC Batch #56911 — Potassium, Flame AA

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

QC Batch #56912 — Sodium, Flame AA

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

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56915 Magnesium, Flame AA

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

QC Batch #56916 Calcium, Flame AA

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

QC Batch #57091 Total Dissolved Solids

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

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)	
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)	

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)	

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

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

Report Summary of positive results, PR30364

			Result	MDL	UNITS
Analyzed	961104054	MW-962-91			
11/05/96	Data Entry		11/11/96		--
Analyzed	961104055	MW-962-90			
11/05/96	Data Entry		11/11/96		--
Analyzed	961104056	MW-962-29			
11/05/96	Data Entry		11/11/96		--
11/06/96	Alkalinity		145	2.000	MGL
12/06/96	Anion Sum		3.45	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		175	.001	MGL
11/14/96	Calcium, Flame AA		19	1.000	MGL
11/14/96	Carbonate as CO3, Calculated		5.70	.001	MGL
12/06/96	Cation Sum		3.65	.001	MEQL
11/06/96	Chloride		7.8	1.000	MGL
11/11/96	Iron, Total, ICAP/MS		400	******	UGL
11/06/96	Lab pH		8.7	.001	UNIT
11/14/96	Magnesium, Flame AA		12	1.000	MGL
11/06/96	Nitrate-N by IC		0.2	.100	MGL
11/14/96	Potassium, Flame AA		2.4	1.000	MGL
11/14/96	Sodium, Flame AA		38	1.000	MGL
11/07/96	Specific Conductance		280	4.000	UMHO
11/06/96	Sulfate		15	2.000	MGL
11/11/96	Total Dissolved Solids		200	10.000	MGL
Analyzed	961104057	MW-962-30			
11/05/96	Data Entry		11/11/96		--
11/06/96	Alkalinity		140	2.000	MGL
12/06/96	Anion Sum		4.55	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		170	.001	MGL
11/14/96	Calcium, Flame AA		45	1.000	MGL
11/14/96	Carbonate as CO3, Calculated		0.878	.001	MGL
12/06/96	Cation Sum		4.96	.001	MEQL
11/06/96	Chloride		25	2.000	MGL
11/11/96	Iron, Total, ICAP/MS		120	******	UGL
11/06/96	Lab pH		7.9	.001	UNIT
11/14/96	Magnesium, Flame AA		18	1.000	MGL
11/06/96	Nitrate-N by IC		10	.200	MGL
11/14/96	Potassium, Flame AA		2.0	1.000	MGL
11/14/96	Sodium, Flame AA		27	1.000	MGL
11/07/96	Specific Conductance		420	4.000	UMHO
11/06/96	Sulfate		16	4.000	MGL
11/11/96	Total Dissolved Solids		300	10.000	MGL
11/18/96	Total phosphorus-P		0.07	.050	MGL
Analyzed	961104058	MW-962-31			
11/05/96	Data Entry		11/11/96		--
11/06/96	Alkalinity		160	2.000	MGL
12/06/96	Anion Sum		8.71	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		195	.001	MGL
11/14/96	Calcium, Flame AA		73	1.000	MGL

11/14/96	Carbonate as CO3, Calculated	1.01	.001	MGL
12/06/96	Cation Sum	8.64	.001	MEQL
11/06/96	Chloride	85	2.000	MGL
11/06/96	Lab pH	7.9	.001	UNIT
11/14/96	Magnesium, Flame AA	39	1.000	MGL
11/06/96	Nitrate-N by IC	13	.200	MGL
11/14/96	Potassium, Flame AA	3.2	1.000	MGL
11/14/96	Sodium, Flame AA	39	1.000	MGL
11/07/96	Specific Conductance	765	4.000	UMHO
11/06/96	Sulfate	105	4.000	MGL
11/11/96	Total Dissolved Solids	530	10.000	MGL

MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30397 (MW-962-93; 92; 32; 33; 56; 57)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Iron was recovered high in one MSD, but control is off of the LCS.

Samples requiring dilution (with increased MRL's):
Anions and calcium in sample -32 and -33

Method blanks with compounds detected:
None.

Other Comments:
Acetone was detected as a TIC at low levels. Target volatiles were detected in several samples.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

Pasadena Division
555 East Walnut Street
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Tel: 818 568 6400
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Madison Division
1 Science Court
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Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON
DEC 30 1996
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Report#: 30397
JPL

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
Pasadena, California 91101
818 568 6400; Fax: 818 568 6324;
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Laboratory Report #30397

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

Samples Received
05-nov-1996 15:28:54

MW-962-93 (961105095) Sampled on 11/05/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Report
#30397

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(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	112	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	99	% Rec		
MW-962-92 (961105096)				**Sampled on 11/05/96**				
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
				Regulated VOCs plus Lists 1&3				
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.2	ug/L		1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
MW-962-32 (961105097)			**Sampled on 11/05/96**					
	11/06/96	56459	(ML/S2320B)	Alkalinity	270	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	13.0	meq/l	0.0010	1
11/09/96	12/05/96	57284	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	135	mg/l	5.0	5
	12/06/96		(ML/SM1040)	Cation Sum	13.2	meq/l	0.0010	1
	11/06/96	56460	(ML/EPA 300)	Chloride	110	mg/l	3.0	3
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.07	mg/l	0.0010	1
11/09/96	11/11/96	57302	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	1130	umho/cm	4.0	1
11/09/96	11/11/96	57308	(EPA/ML 200.8)	Iron, Total, ICAP/MS	580	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	329	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	58	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	36	mg/l	1.0	1
	11/06/96	56467	(ML/EPA 300.0)	Nitrate-N by IC	14	mg/l	0.30	3
11/09/96	11/11/96	57316	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	11/06/96	56468	(ML/EPA 300)	Sulfate	170	mg/l	6.0	3
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	0.08	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	760	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	1.0	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	0.6	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.9	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.6	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.5	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.1	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	95	% Rec		
			(Surrogate)	4-Bromofluorobenzene	111	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-962-33 (961105098) Sampled on 11/05/96

	11/06/96	56459	(ML/S2320B)	Alkalinity	215	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	12.6	meq/l	0.0010	1
11/27/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	135	mg/l	5.0	5
	12/06/96		(ML/SM1040)	Cation Sum	13.1	meq/l	0.0010	1
	11/06/96	56460	(ML/EPA 300)	Chloride	115	mg/l	3.0	3
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.538	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	1130	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	400	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	262	mg/l	0.0010	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.9	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	52	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	46	mg/l	1.0	1
	11/06/96	56467	(ML/EPA 300.0)	Nitrate-N by IC	20	mg/l	0.30	3
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	11/06/96	56468	(ML/EPA 300)	Sulfate	175	mg/l	6.0	3
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	790	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	2.9	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		
MW-962-56 (961105099)			**Sampled on 11/05/96**					
	11/06/96	56459	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	3.64	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	34	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	4.17	meq/l	0.0010	1
	11/06/96	56460	(ML/EPA 300)	Chloride	8.2	mg/l	1.0	1
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.49	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	330	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	260	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	182	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	9.8	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	37	mg/l	1.0	1
	11/06/96	56467	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	11/06/96	56468	(ML/EPA 300)	Sulfate	16	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.9	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

MW-962-57 (961105100) Sampled on 11/05/96

	11/06/96	56459	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	12/17/96		(ML/SM1040)	Anion Sum	3.88	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	34	mg/l	1.0	1
	12/17/96		(ML/SM1040)	Cation Sum	4.31	meq/l	0.0010	1
	11/06/96	56460	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	11/14/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.49	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/05/96	56381	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	355	umho/cm	4.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1300	ug/l	100	1
	11/14/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	182	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	38	mg/l	1.0	1
	11/06/96	56467	(ML/EPA 300.0)	Nitrate-N by IC	4.5	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	11/06/96	56468	(ML/EPA 300)	Sulfate	7.9	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/05/96	56489	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/05/96	56489	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/05/96	56489	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/05/96	56489	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/05/96	56489	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/05/96	56489	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/05/96	56489	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.6	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	93	% Rec		
			(Surrogate)	4-Bromofluorobenzene	110	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Laboratory QC Report #30397

Foster Wheeler Environmental, Inc

QC Batch #56381 Hexavalent chromium

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0493	98.6	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0506	101.2	(78.00 - 118.00)	2.6
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0531	106.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0506	101.2	(80.00 - 120.00)	4.8

QC Batch #56459 Alkalinity

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.7	99.5	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.7	99.5	(90.00 - 110.00)	0.00
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	107	111.2	(80.00 - 120.00)	
MSD	Alkalinity	96.2	97.8	101.7	(80.00 - 120.00)	9.0

QC Batch #56460 Chloride

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	23.7	94.8	(90.00 - 110.00)	
LCS2	Chloride	25	23.6	94.4	(90.00 - 110.00)	0.42
MBLK	Chloride	ND				
MS	Chloride	25	26.5	106.0	(80.00 - 120.00)	
MSD	Chloride	25	26.5	106.0	(80.00 - 120.00)	0.00

QC Batch #56467 Nitrate-N by IC

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.44	97.6	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.43	97.2	(90.00 - 110.00)	0.41
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.50	100.0	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.48	99.2	(80.00 - 120.00)	0.80

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

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QC Batch #56468 Sulfate

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.5	95.0	(90.00 - 110.00)	
LCS2	Sulfate	50	47.2	94.4	(90.00 - 110.00)	0.63
MBLK	Sulfate	ND				
MS	Sulfate	50	52.1	104.2	(70.00 - 130.00)	
MSD	Sulfate	50	51.9	103.8	(70.00 - 130.00)	0.38

QC Batch #56489 Regulated VOCs plus Lists 1&3

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.40	110.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.91	97.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.46	86.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.17	104.2	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.16	104.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	8.04	100.5	(70.00 - 130.00)	

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MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.99	99.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	4.22	105.5	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.52	113.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	4.28	107.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.97	99.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	4.11	102.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.12	103.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane(Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.77	94.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.30	107.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane(Freon1)	2	2.19	109.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane(Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.31	107.7	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.16	104.0	(70.00 - 130.00)

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

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Foster Wheeler Environmental, Inc
(continued)

MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.25	106.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.18	104.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.96	99.0	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane(Freon	4	3.27	81.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane(Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.43	71.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.81	95.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.94	111.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.45	111.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.96	99.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.35	108.7	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.68	92.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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Laboratory
QC Report
#30397

Foster Wheeler Environmental, Inc
(continued)

QC Batch #56600 Total Dissolved Solids

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

QC Batch #56837 Total phosphorus-P

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

QC Batch #56911 Potassium, Flame AA

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

QC Batch #56912 Sodium, Flame AA

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

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

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #56915 Magnesium, Flame AA

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

QC Batch #56916 Calcium, Flame AA

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

QC Batch #57284 Arsenic, Total, GF

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0212	106.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0190	95.0	(85.00 - 115.00)	11
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	22

QC Batch #57302 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	101	101.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.3	96.3	(85.00 - 115.00)	4.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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(continued)

MS	Chromium, Total, ICAP/MS	100	104.	104.0	(70.00 - 130.00)
MS	Chromium, Total, ICAP/MS	100	106.	106.0	(70.00 - 130.00)

QC Batch #57308 Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	537	107.4	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	559	111.8	(85.00 - 115.00)	4.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	478.	95.6	(70.00 - 130.00)	
MS	Iron, Total, ICAP/MS	500	581.	116.2	(70.00 - 130.00)	

QC Batch #57316 Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	21.0	105.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.2	96.0	(85.00 - 115.00)	9.0
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	21.1	105.5	(70.00 - 130.00)	
MS	Lead, Total, ICAP/MS	20	21.7	108.5	(70.00 - 130.00)	

QC Batch #57584 Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	103	103.0	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	107	107.0	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	100.	100.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	97.7	97.7	(70.00 - 130.00)	2.3

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #57585 Iron, Total, ICAP/MS

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

QC Batch #57586 Lead, Total, ICAP/MS

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

QC Batch #57815 Arsenic, Total, GF

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

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

Report Summary of positive results, PR30397

			Result	MDL	UNITS
Analyzed	961105095	MW-962-93			
11/05/96	Data Entry		11/11/96		--
Analyzed	961105096	MW-962-92			
11/05/96	Data Entry		11/11/96		--
Analyzed	961105097	MW-962-32			
11/05/96	1,1-Dichloroethane		1.0	.500	UGL
11/05/96	1,2,3-Trichlorobenzene		0.6	.500	UGL
11/05/96	Chloroform (Trichloromethane)		0.9	.500	UGL
11/05/96	Data Entry		11/11/96		--
11/05/96	Tetrachloroethylene (PCE)		1.6	.500	UGL
11/05/96	Trichloroethylene (TCE)		1.5	.500	UGL
11/06/96	Alkalinity		270	2.000	MGL
12/06/96	Anion Sum		13.0	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		329	.001	MGL
11/14/96	Calcium, Flame AA		135	5.000	MGL
11/14/96	Carbonate as CO3, Calculated		1.07	.001	MGL
12/06/96	Cation Sum		13.2	.001	MEQL
11/06/96	Chloride		110	3.000	MGL
11/11/96	Iron, Total, ICAP/MS		580	******	UGL
11/08/96	Lab pH		7.7	.001	UNIT
11/14/96	Magnesium, Flame AA		58	1.000	MGL
11/06/96	Nitrate-N by IC		14	.300	MGL
11/14/96	Potassium, Flame AA		2.8	1.000	MGL
11/14/96	Sodium, Flame AA		36	1.000	MGL
11/07/96	Specific Conductance		1130	4.000	UMHO
11/06/96	Sulfate		170	6.000	MGL
11/11/96	Total Dissolved Solids		760	10.000	MGL
11/18/96	Total phosphorus-P		0.08	.050	MGL
Analyzed	961105098	MW-962-33			
11/05/96	1,1-Dichloroethane		2.9	.500	UGL
11/05/96	Data Entry		11/11/96		--
11/06/96	Alkalinity		215	2.000	MGL
12/06/96	Anion Sum		12.6	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated		262	.001	MGL
11/14/96	Calcium, Flame AA		135	5.000	MGL
11/14/96	Carbonate as CO3, Calculated		0.538	.001	MGL
12/06/96	Cation Sum		13.1	.001	MEQL
11/06/96	Chloride		115	3.000	MGL
12/05/96	Iron, Total, ICAP/MS		400	******	UGL
11/08/96	Lab pH		7.5	.001	UNIT
11/14/96	Magnesium, Flame AA		52	1.000	MGL
11/06/96	Nitrate-N by IC		20	.300	MGL
11/14/96	Potassium, Flame AA		2.9	1.000	MGL
11/14/96	Sodium, Flame AA		46	1.000	MGL
11/07/96	Specific Conductance		1130	4.000	UMHO
11/06/96	Sulfate		175	6.000	MGL
11/11/96	Total Dissolved Solids		790	10.000	MGL
Analyzed	961105099	MW-962-56			

11/05/96	Data Entry	11/11/96		--
11/06/96	Alkalinity	150	2.000	MGL
12/17/96	Anion Sum	3.64	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated	182	.001	MGL
11/14/96	Calcium, Flame AA	34	1.000	MGL
11/14/96	Carbonate as CO3, Calculated	1.49	.001	MGL
12/17/96	Cation Sum	4.17	.001	MEQL
11/06/96	Chloride	8.2	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	260	******	UGL
11/08/96	Lab pH	8.1	.001	UNIT
11/14/96	Magnesium, Flame AA	9.8	1.000	MGL
11/06/96	Nitrate-N by IC	1.0	.100	MGL
11/14/96	Potassium, Flame AA	2.0	1.000	MGL
11/14/96	Sodium, Flame AA	37	1.000	MGL
11/07/96	Specific Conductance	330	4.000	UMHO
11/06/96	Sulfate	16	2.000	MGL
11/11/96	Total Dissolved Solids	230	10.000	MGL

Analyzed 961105100 MW-962-57

11/05/96	Data Entry	11/11/96		--
11/06/96	Alkalinity	150	2.000	MGL
12/17/96	Anion Sum	3.88	.001	MEQL
11/14/96	Bicarbonate as HCO3,calculated	182	.001	MGL
11/14/96	Calcium, Flame AA	34	1.000	MGL
11/14/96	Carbonate as CO3, Calculated	1.49	.001	MGL
12/17/96	Cation Sum	4.31	.001	MEQL
11/06/96	Chloride	14	1.000	MGL
12/05/96	Iron, Total, ICAP/MS	1300	******	UGL
11/08/96	Lab pH	8.1	.001	UNIT
11/14/96	Magnesium, Flame AA	11	1.000	MGL
11/06/96	Nitrate-N by IC	4.5	.100	MGL
11/14/96	Potassium, Flame AA	1.9	1.000	MGL
11/14/96	Sodium, Flame AA	38	1.000	MGL
11/07/96	Specific Conductance	355	4.000	UMHO
11/06/96	Sulfate	7.9	2.000	MGL
11/11/96	Total Dissolved Solids	230	10.000	MGL

MONTGOMERY WATSON LABORATORIES

December 27, 1996

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

Attention: Mark Cutler

Re: Report # 30420 (MW-962-95; 94; 60; 58; 59; 61; 36;)

Dear Mark,

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

Non-conformance (LCS,MS/MSD,Surrogates, and Holding Times):
All volatile samples were analyzed within holding times with acceptable surrogate and IS recoveries. Iron was recovered high in one MSD, but control is off of the LCS.

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

Method blanks with compounds detected:
None.

Other Comments:
Acetone was detected as a TIC at low levels. Traget volatiles were detected in several samples.

Sincerely,

A Eaton

Andrew Eaton, PhD
Laboratory Director

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555 East Walnut Street
Pasadena, California 91101
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Madison Division
1 Science Court
Madison, Wisconsin 53711
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Quality Environmental Analysis

MONTGOMERY WATSON LABORATORIES

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Laboratory Report

for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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

MONTGOMERY WATSON LABS.
SUBMITTED ON

DEC 30 1996

ADE*

Report#: 30420
JPL

MONTGOMERY WATSON LABORATORIES

555 East Walnut Street
Pasadena, California 91101
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Laboratory Report #30420

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

Samples Received
06-nov-1996 15:42:51

MW-962-95 (961106036) Sampled on 11/06/96

Regulated VOCs plus Lists 1&3

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/11/96	56729	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/11/96	56729	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/11/96	56729	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/11/96	56729	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
Report
#30420

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/11/96	56729	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/11/96	56729	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/11/96	56729	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/11/96	56729	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.7	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	82	% Rec		
MW-962-94 (961106037)				**Sampled on 11/06/96**				
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
				Regulated VOCs plus Lists 1&3				
	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	5.3	ug/L		1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	90	% Rec		
			(Surrogate)	4-Bromofluorobenzene	116	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		
MW-962-60 (961106038)			**Sampled on 11/06/96**					
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	16	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
			Regulated VOCs plus Lists 1&3					
	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	0.7	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	0.6	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	5.2	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.0	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	14	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.8	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	109	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-962-58 (961106039) Sampled on 11/06/96								
	11/12/96	56681	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.43	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	41	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.64	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	23	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.945	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	415	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	32	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	7.7	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	11	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1

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Laboratory
Report
#30420

Foster Wheeler Environmental, Inc
(continued)

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

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% Rec		
			(Surrogate)	Toluene-d8	98	% Rec		

MW-962-59 (961106040) Sampled on 11/06/96

	11/12/96	56681	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	6.16	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	60	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	6.25	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	46	mg/l	2.0	2
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.188	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	14	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	585	umho/cm	4.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	4300	ug/l	100	10
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	25	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	7.7	mg/l	0.20	2
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	63	mg/l	4.0	2
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	380	mg/l	10	1
			Regulated VOCs plus Lists 1&3					
	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloroethylene	0.8	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloroethane	0.6	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	11/12/96	56774	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	11/12/96	56774	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Carbon Tetrachloride	5.3	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.4	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	15	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	1.8	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-962-61 (961106041) Sampled on 11/06/96

	11/12/96	56681	(ML/S2320B)	Alkalinity	125	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	3.58	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	36	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	3.68	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	14	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.197	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	11/07/96	56520	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	11/07/96		(ML/S2510B)	Specific Conductance	335	umho/cm	4.0	1
12/04/96	12/05/96	57585	(EPA/ML 200.8)	Iron, Total, ICAP/MS	920	ug/l	100	1
	11/26/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	152	mg/l	0.0010	1
	11/14/96	56911	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	11/14/96	56915	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	11/14/96	56912	(ML/S3111B)	Sodium, Flame AA	17	mg/l	1.0	1
	11/08/96	56500	(ML/EPA 300.0)	Nitrate-N by IC	1.1	mg/l	0.10	1
12/04/96	12/05/96	57586	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	11/08/96		(ML/S4500H-B)	Lab pH	7.3	Units	0.0010	1
	11/08/96	56502	(ML/EPA 300)	Sulfate	29	mg/l	2.0	1
	11/18/96	56837	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	11/11/96	56600	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1

Regulated VOCs plus Lists 1&3

	11/12/96	56774	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1

MONTGOMERY WATSON LABORATORIES

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Foster Wheeler Environmental, Inc
(continued)

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

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Laboratory
Report
#30420

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	11/12/96	56774	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	11/12/96	56774	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	11/12/96	56774	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	11/12/96	56774	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	111	% Rec		
			(Surrogate)	4-Bromofluorobenzene	112	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-962-36 (961106042) Sampled on 11/06/96

	11/12/96	56681	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	12/06/96		(ML/SM1040)	Anion Sum	4.18	meq/l	0.0010	1
12/04/96	12/23/96	57815	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	11/14/96	56916	(ML/S3111B)	Calcium, Flame AA	39	mg/l	1.0	1
	12/06/96		(ML/SM1040)	Cation Sum	4.52	meq/l	0.0010	1
	11/08/96	56495	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	11/27/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.07	mg/l	0.0010	1
12/04/96	12/05/96	57584	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1