

TURBIDIMETER FIELD STANDARDIZATION FORM

Project Name: JPL
 Standardization by: T. Blaney Date: 8/14/96
 Instrument Manufacturer: HF Scientific Model: DRT-15C
 Serial Number: 2918 Calibration Date: 8/14/96

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: 1410 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: 8/15/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/15/96

STANDARDIZATION

Time: 0730 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: 12:20 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: 8/16/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/16/96

STANDARDIZATION

Time: 0735 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: 8/19/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/19/96

STANDARDIZATION

Time: 0745 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: 1055 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: 8/20/96
Instrument Manufacturer: HF SCIENTIFIC Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/20/96

STANDARDIZATION

Time: 0915 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: 1335 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: 8/24/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/21/96

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: 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. BLANEY Date: 8/22/96
Instrument Manufacturer: HF SCIENTIFIC Model: D2T-15C
Serial Number: 2918 Calibration Date: 8/22/96

STANDARDIZATION

Time: 0730 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: 1250 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: 8/23/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/23/96

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: 1135 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: 8/26/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/26/96

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: 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: _____

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: 8/27/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/27/96

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: 0.02
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: 8/24/96
Instrument Manufacturer: HF Scientific Model: DST-15C
Serial Number: 2918 Calibration Date: 8/24/96

STANDARDIZATION

Time: 0805 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: 1545 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. Swaney Date: 8/29/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 8/29/96

STANDARDIZATION

Time: 0840 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: 1630 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. Braney Date: 8/30/96
Instrument Manufacturer: HF Scientific Model: DCT-15C
Serial Number: 2918 Calibration Date: 8/30/96

STANDARDIZATION

Time: 1015 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: 1100 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: 9/3/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 9/3/96

STANDARDIZATION

Time: 0805 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: _____

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. Swaney Date: 9/4/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 9/4/96

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: 1205 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: 9/5/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 9/5/96

STANDARDIZATION

Time: 0715 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: 1310 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. Swaney Date: 9/6/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 9/6/96

STANDARDIZATION

Time: 0745 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: 1310 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: 9/9/96
Instrument Manufacturer: HP Scientific Model: DRT-150
Serial Number: 2918 Calibration Date: 9/9/96

STANDARDIZATION

Time: 0730 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. BLANK Date: 9/10/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 9/10/96

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: 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: T. BLANLY Date: 9/11/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2910 Calibration Date: 9/11/96

STANDARDIZATION

Time: 1200 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.03
NTU of Standard: _____ Instrument Reading: _____

Time: 1230 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: 9/12/96
Instrument Manufacturer: HF Scientific Model: DRT-15C
Serial Number: 2918 Calibration Date: 9/12/96

STANDARDIZATION

Time: 0750 Selected Scale: 20 Instrument at Zero: Yes / No Stray Light Response: N/A
NTU of Standard: 0.02 Instrument Reading: 0.03
NTU of Standard: _____ Instrument Reading: _____

Time: 0840 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: _____

PHOTO-IONIZATION DETECTOR (PID) FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: T. BLANEY Date: 8/20/96
Instrument Manufacturer: Foxboro TVA 1000 Serial Number: 2361512
Calibration Gases:
Type: ISOBUTYLENE Concentration: 100 ppm Supplier: HAZCO
Type: METHANE Concentration: 100 ppm Supplier: HAZCO

Time	Scale	Concentration	Response
<u>0915</u>	<u>0-100 ppm</u>	<u>100 ppm (methane)</u>	<u>100 ppm</u>
<u>1335</u>	<u>0-100 ppm</u>	<u>100 ppm (methane)</u>	<u>100 ppm</u>

Comments: _____

PHOTO-IONIZATION DETECTOR (PID) FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: T. BLANEY Date: 8/2/96
Instrument Manufacturer: Foxboro TVA 1000 Serial Number: 2361512
Calibration Gases:
Type: METHANE Concentration: 100 ppm Supplier: HAZCO
Type: _____ Concentration: _____ Supplier: _____

Time	Scale	Concentration	Response
<u>0725</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
<u>0745</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

PHOTO-IONIZATION DETECTOR (PID) FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: T. BLANEY Date: 8/22/96
Instrument Manufacturer: Foxboro TVA 1000 Serial Number: 2361512
Calibration Gases:
Type: Methane Concentration: 100 ppm Supplier: HAZCO
Type: _____ Concentration: _____ Supplier: _____

Time	Scale	Concentration	Response
<u>0725</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
<u>0740</u>	<u>0-120 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

PHOTO-IONIZATION DETECTOR (PID) FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: T. Slaney Date: 8/23/96
Instrument Manufacturer: Fossco TVA 100 Serial Number: 2631572
Calibration Gases:
Type: METHANE Concentration: 100 ppm Supplier: HAZCO
Type: _____ Concentration: _____ Supplier: _____

Time	Scale	Concentration	Response
<u>0750</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
<u>0805</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

PHOTO-IONIZATION DETECTOR (PID) FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: T. BLANCH Date: 8/26/90
Instrument Manufacturer: Foxboro TVA 1000 Serial Number: 2631512
Calibration Gases:
Type: Methane Concentration: 100 ppm Supplier: Hazco
Type: _____ Concentration: _____ Supplier: _____

Time	Scale	Concentration	Response
<u>0805</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
<u>0810</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

PHOTO-IONIZATION DETECTOR (PID) FIELD CALIBRATION FORM

Project Name: JPL
Calibration by: T. Bradley Date: 8/27/96
Instrument Manufacturer: Foxboro TVA 1000 Serial Number: 2631512
Calibration Gases:
Type: Methane Concentration: 100 ppm Supplier: HAZCO
Type: _____ Concentration: _____ Supplier: _____

Time	Scale	Concentration	Response
<u>0750</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
<u>0755</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
<u>1210</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
<u>1215</u>	<u>0-100 ppm</u>	<u>100 ppm</u>	<u>100 ppm</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL
 Calibration by: T. B. Anzley Date/Time: 8/28/96 0815
 Instrument Serial Number: Z631512
 Calibration Gas Supplier: Hazco
 Lot Number, ¹⁰⁰95 ppm methane: ✓
 Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (⁰⁸¹⁵ HAZCO)	Post-Field Work (⁰⁸²⁰ HAZCO)
Battery Test Indicator*	<u>100</u> %	<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u> psi	<u>1000</u> psi
Hydrogen Supply Pressure	<u>1000</u> psi	<u>1000</u> psi
Sample Flow Rate	<u>1</u> L/min	<u>1</u> L/min
Air Temperature	<u>80</u> °F	<u>80</u> °F
Instrument Response, ¹⁰⁰ 95 ppm methane	<u>100 ppm</u>	<u>100 ppm</u>
~~Instrument Response, 0.95% methane~~	~~_____~~	~~_____~~

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL
 Calibration by: T. BLANNEY Date/Time: 8/25/96 07:15
 Instrument Serial Number: TVA 1000 2631512
 Calibration Gas Supplier: HAZCO
 Lot Number, ¹⁰⁰95 ppm methane: _____
 Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (0715 hrs)	Post-Field Work (0750 hrs)
Battery Test Indicator*	<u>100</u> %	<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u> psi	<u>1000</u> psi
Hydrogen Supply Pressure	<u>15</u> psi	<u>15</u> psi
Sample Flow Rate	<u>1</u> L/min	<u>1</u> L/min
Air Temperature	<u>75</u> °F	<u>75</u> °F
Instrument Response, ¹⁰⁰ 95 ppm methane	<u>100 ppm</u>	<u>100 ppm</u>
Instrument Response, 0.95% methane	_____	_____

* 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: 9/3/96 0750
 Instrument Serial Number: 2631512
 Calibration Gas Supplier: HAZCO
 Lot Number, ¹⁰⁰95 ppm methane: _____
 Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (c 750 ms)	Post-Field Work (0.500 ms)
Battery Test Indicator*	<u>100</u> %	<u>100</u> %
Hydrogen Tank Pressure	<u>1200</u> psi	<u>1000</u> psi
Hydrogen Supply Pressure	<u>12</u> psi	<u>12</u> psi
Sample Flow Rate	<u>1</u> L/min	<u>1</u> L/min
Air Temperature	<u>70</u> °F	<u>70</u> °F
Instrument Response, ¹⁰⁰ 95 ppm methane	<u>100 ppm</u>	<u>100 ppm</u>
Instrument Response, 0.95% methane	_____	_____

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL
Calibration by: T. B. Andy Date/Time: 9/4/96 0745 hrs
Instrument Serial Number: 2631512
Calibration Gas Supplier: HAZCO
Lot Number, ¹⁰⁰95 ppm methane: _____
Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (0745 hrs)	Post-Field Work (0750 hrs)
Battery Test Indicator*	<u>100</u> %	<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u> psi	<u>1000</u> psi
Hydrogen Supply Pressure	<u>15</u> psi	<u>15</u> psi
Sample Flow Rate	<u>1</u> L/min	<u>1</u> L/min
Air Temperature	<u>70</u> °F	<u>70</u> °F
Instrument Response, ¹⁰⁰ 95 ppm methane	<u>100 ppm</u>	<u>100 ppm</u>
Instrument Response, 0.95% methane	_____	_____

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL
 Calibration by: T. BLANNEY Date/Time: 9/5/96
 Instrument Serial Number: 263:512
 Calibration Gas Supplier: HAZCO
 Lot Number, ¹⁰⁰95 ppm methane: _____
 Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (0725 hrs)	Post-Field Work (0730 hrs)
Battery Test Indicator*	<u>100</u> %	<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u> psi	<u>1000</u> psi
Hydrogen Supply Pressure	<u>15</u> psi	<u>15</u> psi
Sample Flow Rate	<u>1</u> L/min	<u>1</u> L/min
Air Temperature	<u>75</u> °F	<u>75</u> °F
Instrument Response, ¹⁰⁰ 95 ppm methane	<u>100 ppm</u>	<u>100 ppm</u>
Instrument Response, 0.95% methane	_____	_____

* 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: 5/6/96 0725
 Instrument Serial Number: 263 1512
 Calibration Gas Supplier: HAZCO
 Lot Number, ¹⁰⁰95 ppm methane: _____
 Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (0725 hrs)		Post-Field Work (1445 hrs)
Battery Test Indicator*	<u>100</u>	%	<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u>	psi	<u>1000</u> psi
Hydrogen Supply Pressure	<u>15</u>	psi	<u>15</u> psi
Sample Flow Rate	<u>1</u>	L/min	<u>1</u> L/min
Air Temperature	<u>70</u>	°F	<u>70</u> °F
Instrument Response, ¹⁰⁰ 95 ppm methane	<u>100 ppm</u>		<u>100 ppm</u>
Instrument Response, 0.95% methane	_____		_____

* 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: 9/9/96
 Instrument Serial Number: 2631512
 Calibration Gas Supplier: HAZCO
 Lot Number, ¹⁰⁰95 ppm methane: _____
 Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (720 mg)		Post-Field Work (1150 mg)
Battery Test Indicator*	<u>100</u> %		<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u> psi		<u>1000</u> psi
Hydrogen Supply Pressure	<u>12</u> psi		<u>12</u> psi
Sample Flow Rate	<u>1</u> L/min		<u>1</u> L/min
Air Temperature	<u>90</u> °F		<u>90</u> °F
Instrument Response, ¹⁰⁰ 95 ppm methane	<u>100 ppm</u>		<u>100 ppm</u>
Instrument Response, 0.95% methane	_____		_____

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JAL
Calibration by: T. BLANEY Date/Time: 9/10/96
Instrument Serial Number: 2631512
Calibration Gas Supplier: HAZU
Lot Number, 95 ppm methane: _____
Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (6715 hrs)		Post-Field Work (1380 hrs)
Battery Test Indicator*	<u>100</u> %		<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u> psi		<u>1000</u> psi
Hydrogen Supply Pressure	<u>12</u> psi		<u>12</u> psi
Sample Flow Rate	<u>1</u> L/min		<u>1</u> L/min
Air Temperature	<u>75</u> °F		<u>85</u> °F
Instrument Response, 95 ppm methane	<u>100 ppm</u>		<u>100 ppm</u>
Instrument Response, 0.95% methane	_____		_____

* With pump running

Notes (include description of any field maintenance):

ORGANIC VAPOR ANALYZER (OVA) CALIBRATION RECORD FORM

Project Name: JPL
 Calibration by: T. BLANCH Date/Time: 9/11/96
 Instrument Serial Number: 2631512
 Calibration Gas Supplier: HAZCO
 Lot Number, ¹⁰⁰95 ppm methane: Methane
 Lot Number, 0.95% methane: _____

INSTRUMENT TEST RESULTS

	Pre-Field Work (6720 mmHg)	Post-Field Work (1135 mmHg)
Battery Test Indicator*	<u>100</u> %	<u>100</u> %
Hydrogen Tank Pressure	<u>1000</u> psi	<u>1000</u> psi
Hydrogen Supply Pressure	<u>12</u> psi	<u>12</u> psi
Sample Flow Rate	<u>1</u> L/min	<u>1</u> L/min
Air Temperature	<u>80</u> °F	<u>90</u> °F
Instrument Response, 95 ppm methane	<u>100 ppm</u>	<u>100 ppm</u>
Instrument Response, 0.95% methane	_____	_____

* With pump running

Notes (include description of any field maintenance):

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



28977
28862

September 20, 1996
Revised October 17, 1996 to reflect additional work.

ToxScan Number: T-13877

Montgomery Laboratories
555 E. Walnut Street
Pasadena, CA 91109-7009

Attn: Rebecca Merrit

PROJECT NAME: None
DATE SAMPLED: August 29, 1996
DATE RECEIVED: September 4, 1996
MATRIX: Liquid

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

Tributyltin by Gas Chromatograph with Flame Photometric Detector

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

The sample was re-analyzed by request of the client and the report has been revised to include the re-analysis.

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

Sincerely,

Philip D. Carpenter, Ph.D.
President

Enclosures

This cover letter is an integral part of the report.

Client: Montgomery Laboratories
Method: GC/FPD¹
Date Extracted: October 15, 1996
Date Completed: October 17, 1996
Matrix: Liquid
Units: ng/L (pptr)

ToxScan Number: T-13877

Client Sample ID:	Re-analyzed 960829094	Reporting
ToxScan Lab ID:	<u>T-13877-01-C</u>	<u>Limits</u>
<u>Analyte</u>		
Tributyltin	4	2
TPT SUR (% recovery)	58	NA

Quality Control Report:

<u>Analyte</u>	<u>Blank</u>	<u>Blank Spike % Recovery</u>	<u>Matrix Spike² % Recovery</u>	<u>Matrix Spike² Duplicate % Recovery</u>
Tributyltin	ND	80	54	54
TPT SUR (% recovery)	93	60	76	83

1 Quantitative chemical analysis for tributyltin by pentyl derivatization using a Gas Chromatograph with a Flame Photometric Detector.

2 Spike of sample T-13983-02-D

TPT SUR = Tripropyltin surrogate

ND = None Detected

NA = Not Applicable



MONTGOMERY WATSON LABORATORIES

October 1, 1996

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

Attention: Mark Cutler

Re: Report # 28493 (MW-961-88-92; 103, 104)

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 samples were analyzed within holding times except for -88, which was initially analyzed within holding times with low internal standard recovery for IS #1 (QIR MS-96-022). This sample was re-analyzed on day 8 with acceptable recovery. Results are reported from the second analysis. All other surrogates and QC samples were within acceptable range, except for methylene chloride in one LCS, which was recovered high. This compound was not detected in any of the samples.

Samples requiring dilution (with increased MRL's):

Several samples were diluted for anion analysis.

Method blanks with compounds detected:

Acetone was detected in several samples as a TIC at levels less than 10 ppb and was also in the blank. An unknown (scan #940) was detected in sample 92 and was also detected in the blank.

Other Comments:

Chloroform and PCE was detected in sample -92. Carbon Tetrachloride was detected in sample -91 at the reporting limit. TCE and Chloroform were also detected in this sample. PCE was detected in sample -90 and -89. Chloroform was detected in sample -88.

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

QUALITY INVESTIGATION REPORT

Analysis Date: August 14 1996
 Extraction Date: N/A
 Analyst: Yom

QIR No. MS-96-022
 Analysis: 524.2 VOOSAWA
 Matrix: WATER
 Instrument ID: GCMS.D

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
960801074	#605-PLANT EFFLUENT	Edger	~~960723161~~ 960808170	(#3145)-MUN-88	Foster Wheeler

(see attached runlog for affected samples) #3 variance

Brief Description: (include reason for non-compliance)

1) 960801074 - Autosampler malfunction - sample didn't transfer.

2) 960808170 - 15# recovered low.

3) Spike recovery of methylene chloride in CCS about QC limit (164%) (Limit 70-130%)

Action Taken:

1) Missed holding time - client needs to resample (compliance) sample

2) Methylene chloride ND in 960808170.

3) Sample was re-analyzed passed holding time on 8/16/96 and QC are all acceptable on the rerun.

Impact on Data Quality:

chloroform & acetone detected in 960808170
 low IS areas make quantitation biased high.
 1.2 ppb CHCl₃ detected 8/14/96 run } 960808170
 0.7 ppb CHCl₃ detected 8/16/96 run }

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

Other:

NA 960801074: client will resample per HPS.

Annotation:

use data from 8/16 run for 961-88 and annotate that it's past 7 day H1

Client Contact:

Extraction: NA
 Analyst: Upland Atlanta
 Group Leader: Cecilia Shi
 QA Coordinator: Vivian
 Project Manager: A. Eaton

Date: 8-20-96
 Date: 8-20-96
 Date: 8-20-96
 Date: 8/23/96

14 AUG 96

Yon 025

Cooled injector and check insert, insert is NOT broken, replaced septum + s

2 VODI4 AUG 96 A	25 Ng BFB	(113k)
B	25 Ng BFB	(80k)
C	25 Ng BFB	(77k)
high ↑ D	5.0 ppb 10A Std	

instrument leaking, Vent ms and p. Capped mass spec, mass spec OK, connect GC - leak gone.

E	25 Ng BFB	
f	25 Ng BFB	
G	Method BLANK	
Ym H	25 Ng BFB	#430-452 [GM-975 → 1000 eV] B.S.
Surv #2 ↑ T	Method BLANK	
MAL check Ym J	0.5 ppb	
MA check Ym K	1.0 ppb	
NOT USED L	2.0 ppb 10A Std	
Ym M	5.0 ppb 10A Std	
(Nuc12 ↑ 16.4%) N	4.0 ppb 10A LCS	
Ym O	10 ppb 10A Std	
Ym P	15 ppb 10A Std	
Ym Q	20 ppb 10A Std	
Ym R	Method BLANK	
Ym S	2.0 ppb 10A Std	
↑ T	4.0 ppb 10A LCS	
NOT ND U	Method BLANK	

NOT Transferred V	PHK2	960801074	Badger	#605-Plant Effluent
Ym W		960801075	↓	San Diego to Reservoir
Ym X		960808164	Foster Wheel	MW-961-103 #3496
Ym Y		960808165	↓	TB 7/31/26 #3498
Ym Z		960808166	↓	MW-961-92 #3490
VODI4 AUG 96 Ym AA		960808167	↓	MW-961-91 #3488
Ym BB		960808168	↓	MW-961-90 #3247
Ym CC		960808169	↓	MW-961-89 #3199
IS#1 ↓ DD		960808170	↓	MW-961-88 #3145
IS#2,3 ↓ EE	PHK2	960723161	Payne	Nat. Still
IS#1 ↓ FF	S	960723160	↓	Nat. Carb.

Yon 8/15/96



MONTGOMERY WATSON LABORATORIES

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

Laboratory Report

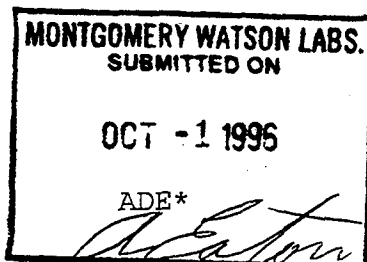
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28493
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
#28493

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

Samples Received
08-aug-1996 17:07:58

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-103 (960808164) Sampled on 08/08/96								
Regulated VOCs plus Lists 1&3								
08/14/96	53246	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/14/96	53246	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/14/96	53246	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/14/96	53246	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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#28493

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/14/96	53246	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/14/96	53246	(MLS24.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	6.0 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	107	% 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	84	% Rec		
MW-961-104 (960808165) Sampled on 08/08/96								
Regulated VOCs plus Lists 1&3								
08/14/96	53246		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/14/96	53246		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/14/96	53246		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/14/96	53246		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/14/96	53246		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/14/96	53246		(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
	08/14/96	53246	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/14/96	53246	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.5 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	86	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-92 (960808166)			Sampled on 08/08/96					
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/12/96	52957	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	7.42	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	73	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	7.61	meq/l	0.0010	1
	08/09/96	52933	(ML/EPA 300)	Chloride	60	mg/l	2.0	2
	08/21/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.00	mg/l	0.0010	1
	08/13/96		(ML/S2510B)	Specific Conductance	755	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	380	ug/l	100	1
	08/21/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	30	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	33	mg/l	1.0	1
	08/09/96	52935	(ML/EPA 300.0)	Nitrate-N by IC	8.5	mg/l	0.20	2
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/13/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	08/09/96	52939	(ML/EPA 300)	Sulfate	54	mg/l	4.0	2
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	480	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/14/96	53246	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/14/96	53246	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/14/96	53246	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/14/96	53246	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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**Laboratory
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 #28493**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/14/96	53246	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	3.0	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.9 (B)	ug/L		1
			(EPA 524.2)	Unknown scan#940	1.6 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	109	% Rec		

MW-961-91 (960808167) Sampled on 08/08/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/12/96	52957	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	5.40	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	51	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	5.53	meq/l	0.0010	1
	08/09/96	52933	(ML/EPA 300)	Chloride	29	mg/l	2.0	2
	08/21/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.873	mg/l	0.0010	1
	08/13/96		(ML/S2510B)	Specific Conductance	550	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	970	ug/l	100	1
	08/21/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.7	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	22	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	08/09/96	52935	(ML/EPA 300.0)	Nitrate-N by IC	4.1	mg/l	0.20	2

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/13/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	08/09/96	52939	(ML/EPA 300)	Sulfate	38	mg/l	4.0	2
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	320	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/14/96	53246	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 624)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/14/96	53246	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/14/96	53246	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Carbon Tetrachloride	0.5	ug/l	0.50	1
	08/14/96	53246	(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
	08/14/96	53246	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroform (Trichloromethane)	2.1	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/14/96	53246	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.5	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected				1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	105	% 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	95	% Rec		
MW-961-90 (960808168) Sampled on 08/08/96								
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/12/96	52957	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	7.56	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	74	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	7.69	meq/l	0.0010	1
	08/09/96	52933	(ML/EPA 300)	Chloride	65	mg/l	2.0	2
	08/21/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.477	mg/l	0.0010	1
	08/13/96		(ML/S2510B)	Specific Conductance	775	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	750	ug/l	100	1
	08/21/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	232	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	32	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	30	mg/l	1.0	1
	08/09/96	52935	(ML/EPA 300.0)	Nitrate-N by IC	9.8	mg/l	0.20	2
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/13/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	08/09/96	52939	(ML/EPA 300)	Sulfate	59	mg/l	4.0	2
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	460	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/14/96	53246	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/14/96	53246	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/14/96	53246	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/14/96	53246	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1


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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/14/96	53246	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	3.1	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.6 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	108	% Rec		
			(Surrogate)	Toluene-d8	86	% Rec		

MW-961-89 (960808169)

Sampled on 08/08/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/12/96	52957	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	5.33	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	49	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	5.03	meq/l	0.0010	1
	08/09/96	52933	(ML/EPA 300)	Chloride	31	mg/l	1.0	1
	08/21/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.237	mg/l	0.0010	1
	08/13/96		(ML/S2510B)	Specific Conductance	520	umho/cm	4.0	1
09/04/96	09/05/96	53976	(EPA/ML 200.8)	Iron, Total, ICAP/MS	5500	ug/l	100	5
	08/21/96		(ML/S2320B)	Bicarbonate as HCO3, calculated	183	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.5	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	23	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	15	mg/l	1.0	1
	08/09/96	52935	(ML/EPA 300.0)	Nitrate-N by IC	3.7	mg/l	0.10	1


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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/13/96		(ML/S4500H-B)	Lab pH	7.3	Units	0.0010	1
	08/09/96	52939	(ML/EPA 300)	Sulfate	57	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	340	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/14/96	53246	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/14/96	53246	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/14/96	53246	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/14/96	53246	(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
	08/14/96	53246	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/14/96	53246	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/14/96	53246	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.8	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/14/96	53246	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.0 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	104	% 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	89	% Rec		
MW-961-88 (960808170) Sampled on 08/08/96								
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/12/96	52957	(ML/S2320B)	Alkalinity	125	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.20	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	31	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.28	meq/l	0.0010	1
	08/09/96	52933	(ML/EPA 300)	Chloride	6.6	mg/l	1.0	1
	08/21/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.495	mg/l	0.0010	1
	08/13/96		(ML/S2510B)	Specific Conductance	320	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2700	ug/l	100	1
	08/21/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	152	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.1	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	14	mg/l	1.0	1
	08/09/96	52935	(ML/EPA 300.0)	Nitrate-N by IC	0.5	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/13/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	08/09/96	52939	(ML/EPA 300)	Sulfate	23	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	190	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/16/96	53272		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/16/96	53272	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/16/96	53272	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.9	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.7 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	110	% Rec		



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Group Comments

(524) B indicates that the compound is also detected in the method blank.

(960808170)

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Sample analyzed past 7 day holding time. Originally analyzed on 7/14/96 but the first internal standard recovery was below 70% in the sample. Reference QIR-MS-96-022.

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QC Batch #52933**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.1	96.4	(90.00 - 110.00)	
LCS2	Chloride	25	24.2	96.8	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	26.4	105.6	(80.00 - 120.00)	
MSD	Chloride	25	26.3	105.2	(80.00 - 120.00)	0.38

QC Batch #52935**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.47	98.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.46	98.4	(90.00 - 110.00)	0.41
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 #52939**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	47.5	95.0	(90.00 - 110.00)	
LCS2	Sulfate	50	47.3	94.6	(90.00 - 110.00)	0.42
MBLK	Sulfate	ND				
MS	Sulfate	50	52.4	104.8	(70.00 - 130.00)	
MSD	Sulfate	50	52.2	104.4	(70.00 - 130.00)	0.38

QC Batch #52957**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	300	304	101.3	(90.00 - 110.00)	
LCS2	Alkalinity	300	299	99.7	(90.00 - 110.00)	1.7
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	93.8	97.5	(80.00 - 120.00)	
MSD	Alkalinity	96.2	90.8	94.4	(80.00 - 120.00)	3.3

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QC Batch #53246**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.87	96.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.26	106.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.94	98.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.27	106.7	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.43	110.8	(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	4.27	106.7	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	4.09	102.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.89	97.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	7.75	96.9	(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	4.18	104.5	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	4.02	100.5	(70.00 - 130.00)	

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MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.10	102.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.84	96.0	(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	3.86	96.5	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.20	105.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	6.58	<u>164.5</u>	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	4.38	109.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.42	121.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.86	96.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.31	107.7	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.28	107.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	4.17	104.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.93	98.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.47	111.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.23	111.5	(70.00 - 130.00)

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	4.13	103.2	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	8.69	108.6	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.23	105.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	4.23	105.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	4.15	103.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.87	96.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53272**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.59	89.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.30	82.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.05	76.2	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.44	86.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.61	90.2	(70.00 - 130.00)	

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MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.24	81.0	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.24	81.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.16	79.0	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.18	77.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.53	88.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	3.31	82.8	(70.00 - 130.00)	
MBLK	Bromodichloromethane	ND				
LCS1	Bromoform	4	3.24	81.0	(70.00 - 130.00)	
MBLK	Bromoform	ND				
MBLK	Bromomethane (Methyl Bromide)	ND				
LCS1	Carbon Tetrachloride	4	3.65	91.2	(70.00 - 130.00)	
MBLK	Carbon Tetrachloride	ND				
LCS1	Chlorobenzene	4	3.39	84.8	(70.00 - 130.00)	
MBLK	Chlorobenzene	ND				
LCS1	Chlorodibromomethane	4	3.15	78.8	(70.00 - 130.00)	
MBLK	Chlorodibromomethane	ND				
MBLK	Chloroethane	ND				
LCS1	Chloroform (Trichloromethane)	4	3.45	86.2	(70.00 - 130.00)	
MBLK	Chloroform (Trichloromethane)	ND				
MBLK	Chloromethane (Methyl Chloride)	ND				
MBLK	Dibromomethane	ND				

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MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.17	104.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.61	90.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.86	93.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.49	87.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.48	87.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.72	93.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.53	88.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.37	84.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.58	89.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.67	83.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.32	83.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.43	92.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.50	87.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.45	86.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			

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LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.50	87.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.44	86.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53293**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	162	92.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	158	90.3	(85.00 - 115.00)	2.5
MBLK	Total Dissolved Solids	ND				

QC Batch #53460**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.49	98.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.48	96.0	(80.00 - 120.00)	2.1
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.417	104.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.427	106.7	(70.00 - 130.00)	2.4

QC Batch #53891**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.0	100.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	3.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

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QC Batch #53893**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	0.80
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	49.5	99.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	48.5	97.0	(80.00 - 120.00)	2.0

QC Batch #53897**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	0.00
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(80.00 - 120.00)	3.4

QC Batch #53899**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	47.8	95.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.8	97.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.4	102.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	0.19

QC Batch #53976**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	534	106.8	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	545	109.0	(85.00 - 115.00)	2.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		

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MS	Iron, Total, ICAP/MS	500	550.	110.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	495.	99.0	(70.00 - 130.00)	11

QC Batch #54507
Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	226	113.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	230	115.0	(85.00 - 115.00)	1.8
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	200	180	90.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	200	187	94.0	(70.00 - 130.00)	3.8

QC Batch #54510
Iron, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	528	105.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	544	108.8	(85.00 - 115.00)	3.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	560	112.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	522	104.0	(70.00 - 130.00)	7.0

QC Batch #54512
Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.8	94.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	1.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.1	95.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.1	96.0	(70.00 - 130.00)	0.00

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QC Batch #54650**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	0.45
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0173	86.5	(85.00 - 115.00)	19

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



MONTGOMERY WATSON LABORATORIES

September 30, 1996

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

Attention: Mark Cutler

Re: Report # 28536 (MW-961-83-87; 105, 106)

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 samples were analyzed within holding times with acceptable surrogate and IS recoveries.

Samples requiring dilution (with increased MRL's):

Several samples were diluted for anion analysis.

Method blanks with compounds detected:

Acetone was detected in -106 as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

Chloroform, carbon tetrachloride and PCE was detected in sample -86 and in -84 and -85 (along with TCE in 84 and 85). Several THMs were detected in sample -83. Freon was also detected in -85. This sample set contained the MS/MSD for volatiles for sample -84

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



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Laboratory Report

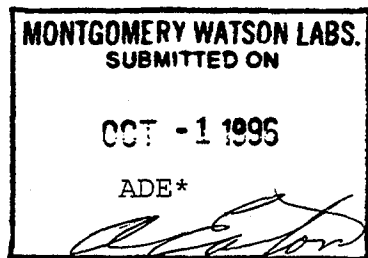
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28536
JPL

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Laboratory
 Report
 #28536

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

Samples Received
 12-aug-1996 10:58:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-87 (960813005) Sampled on 08/12/96								
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.10	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	10	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.36	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	10	mg/l	1.0	1
	08/23/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	8.31	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	310	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	161	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.6	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	5.7	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	54	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/14/96		(ML/S4500E-B)	Lab pH	8.9	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	5.8	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	190	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/16/96	53272	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1

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Laboratory
Report
#28536

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/16/96	53272	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/16/96	53272	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1


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Laboratory
Report
#28536

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	NA			1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-961-86 (960813006) Sampled on 08/12/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.85	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	34	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	4.11	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	8.1	mg/l	1.0	1
	08/23/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.54	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	390	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	188	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.2	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1

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Laboratory
Report
#28536

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	34	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	0.6	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/14/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	23	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/16/96	53272	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/16/96	53272	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/16/96	53272	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1

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**Laboratory
Report
#28536**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	Carbon Tetrachloride	2.2	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.7	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	NA			1

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Laboratory
 Report
 #28536

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
MW-961-84 (960813007) Sampled on 08/12/96								
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	190	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	4.80	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	47	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	4.94	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	12	mg/l	2.0	2
	08/23/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.752	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	490	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	800	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	231	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	19	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	22	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	0.8	mg/l	0.20	2
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/14/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	29	mg/l	4.0	2
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	290	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/16/96	53272		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/16/96	53272	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/16/96	53272	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Carbon Tetrachloride	0.7	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.1	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	2.8	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.7	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	NA			1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-961-83 (960813008)

Sampled on 08/12/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.99	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	39	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	4.02	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	9.5	mg/l	1.0	1
	08/23/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.299	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	405	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	520	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	18	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	1.1	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/14/96		(ML/S4500H-B)	Lab pH	7.4	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	31	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/15/96	53293	(ML/S2540C)	Total Dissolved Solids	250	mg/l	10	1

Regulated VOCs plus Lists 1&3

08/16/96	53272	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/16/96	53272	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/16/96	53272	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/16/96	53272	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/16/96	53272	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272	(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
	08/16/96	53272	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.5	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	1.8	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	NA			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	94	% Rec		
			(Surrogate	) Toluene-d8	98	% Rec		
MW-961-85 (960813009) Sampled on 08/12/96								
Regulated VOCs plus Lists 1&3								
08/16/96	53272		(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,2-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 1,3-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 2,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 2-Butanone (MEK)	ND	ug/l	5.0	1
08/16/96	53272		(ML/EPA 624	) 2-Chloroethylvinylether	ND	ug/l	1.0	1
08/16/96	53272		(ML/EPA 524.2	) o-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) p-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) 4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/16/96	53272		(EPA/SM 524.2	) Benzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) Bromobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) Chlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2	) Carbon Tetrachloride	1.0	ug/l	0.50	1
08/16/96	53272		(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
	08/16/96	53272	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.0	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	3.5	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	5.2	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	0.7	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	NA			1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	99	% Rec		
MW-961-105 (960813010) Sampled on 08/12/96								
Regulated VOCs plus Lists 1&3								
08/16/96	53272		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/16/96	53272		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/16/96	53272		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/16/96	53272		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/16/96	53272		(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
	08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	NA			1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-106 (960813011)			Sampled on 08/12/96					
Regulated VOCs plus Lists 1&3								
08/16/96	53272		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/16/96	53272		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/16/96	53272		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/16/96	53272		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.3 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	94	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Laboratory
 Report
 #28536

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-84 MS (960813012)				Sampled on 08/12/96				
Regulated VOCs plus Lists 1&3								
08/16/96	53272	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloroethylene	3.68	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.15	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.43	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1	
08/16/96	53272	(ML/EPA 624)	2-Chloroethylvinylether	NA	ug/l	1.0	1	
08/16/96	53272	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	p-Chlorotoluene	3.45	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1	
08/16/96	53272	(EPA/SM 524.2)	Benzene	3.68	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	Chlorobenzene	3.58	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.91	ug/l	0.50	1	
08/16/96	53272	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1	


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.30	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	3.72	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	109	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-84 MSD (960813013)				Sampled on 08/12/96				
Regulated VOCs plus Lists 1&3								
08/16/96	53272		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloroethylene	3.75	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.24	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.59	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
08/16/96	53272		(ML/EPA 624)	2-Chloroethylvinylether	NA	ug/l	1.0	1
08/16/96	53272		(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	p-Chlorotoluene	3.59	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
08/16/96	53272		(EPA/SM 524.2)	Benzene	3.72	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Chlorobenzene	3.65	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.71	ug/l	0.50	1
08/16/96	53272		(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/16/96	53272	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 624)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	08/16/96	53272	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	08/16/96	53272	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.67	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Toluene	3.80	ug/l	0.50	1
	08/16/96	53272	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		



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Group Comments

(524) B indicates that the compound is also detected in the method blank.

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Foster Wheeler Environmental, Inc

QC Batch #53145**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.9	99.6	(90.00 - 110.00)	
LCS2	Chloride	25	24.8	99.2	(90.00 - 110.00)	0.40
MBLK	Chloride	ND				
MS	Chloride	25	26.1	104.4	(80.00 - 120.00)	
MSD	Chloride	25	26.1	104.4	(80.00 - 120.00)	0.00

QC Batch #53151**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.56	102.4	(90.00 - 110.00)	0.39
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 #53155**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.5	99.0	(90.00 - 110.00)	
LCS2	Sulfate	50	49.1	98.2	(90.00 - 110.00)	0.81
MBLK	Sulfate	ND				
MS	Sulfate	50	49.0	98.0	(70.00 - 130.00)	
MSD	Sulfate	50	49.1	98.2	(70.00 - 130.00)	0.20

QC Batch #53272**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.59	89.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.30	82.5	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.05	76.2	(70.00 - 130.00)	

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

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MBLK	1,1,2-Trichloroethane	ND			
LCS1	1,1-Dichloroethane	4	3.44	86.0	(70.00 - 130.00)
MBLK	1,1-Dichloroethane	ND			
LCS1	1,1-Dichloroethylene	4	3.61	90.2	(70.00 - 130.00)
MBLK	1,1-Dichloroethylene	ND			
MBLK	1,1-Dichloropropene	ND			
MBLK	1,2,3-Trichlorobenzene	ND			
MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	3.24	81.0	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.24	81.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.16	79.0	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.18	77.2	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.53	88.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.31	82.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.24	81.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.65	91.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.39	84.8	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.15	78.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			

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

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QC Report
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Foster Wheeler Environmental, Inc
(continued)

LCS1	Chloroform (Trichloromethane)	4	3.45	86.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	4.17	104.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.61	90.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.86	93.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.49	87.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.48	87.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.72	93.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.53	88.2	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.37	84.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.58	89.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.67	83.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.32	83.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.43	92.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.50	87.5	(70.00 - 130.00)

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MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.45	86.2	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.50	87.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.44	86.0	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53293**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	162	92.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	158	90.3	(85.00 - 115.00)	2.5
MBLK	Total Dissolved Solids	ND				

QC Batch #53342**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.1	99.9	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.2	99.0	(90.00 - 110.00)	0.94
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	91.2	94.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	91.2	94.8	(80.00 - 120.00)	0.00

QC Batch #53460**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.49	98.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.48	96.0	(80.00 - 120.00)	2.1
MBLK	Total phosphorus-P	ND				

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Foster Wheeler Environmental, Inc
(continued)

MS	Total phosphorus-P	0.4	0.417	104.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.427	106.7	(70.00 - 130.00)	2.4

QC Batch #53891**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.0	100.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	3.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #53893**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	0.80
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	49.5	99.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	48.5	97.0	(80.00 - 120.00)	2.0

QC Batch #53897**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	0.00
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(80.00 - 120.00)	3.4

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QC Report
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Foster Wheeler Environmental, Inc
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QC Batch #53899**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	47.8	95.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.8	97.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.4	102.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	0.19

QC Batch #54507**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	226	113.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	230	115.0	(85.00 - 115.00)	1.8
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	200	180	90.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	200	187	94.0	(70.00 - 130.00)	3.8

QC Batch #54510**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	528	105.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	544	108.8	(85.00 - 115.00)	3.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	560	112.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	522	104.0	(70.00 - 130.00)	7.0

QC Batch #54512**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.8	94.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	1.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		

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MS	Lead, Total, ICAP/MS	20	19.1	95.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.1	96.0	(70.00 - 130.00)	0.00

QC Batch #54650**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	0.45
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0173	86.5	(85.00 - 115.00)	19

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MONTGOMERY WATSON LABORATORIES

September 30, 1996

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

Attention: Mark Cutler

Re: Report # 28567 (MW-961-79-82; 107,108)

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):

Methylene chloride was detected in the blank when these samples were analyzed for volatiles on 8/20/96. In addition, IS #3 was recovered low in one sample. (Ref QIR MS-96-023) All samples were re-analyzed within 14 days. Results are reported for the analyses between 7 and 14 days. Sample -79 was reanalyzed on 8/21/96, after 8 days and although the internal standards were acceptable several compounds failed in the continuing calibration and there was no response for 2-chloroethyl vinyl ether. Thus data for this sample should be flagged. (QIR MS-96-024).
Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

Acetone was detected in several samples as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

Numerous volatiles were detected in this batch of samples, including TCE and Carbon tetrachloride above the MCL in several samples.

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

8/27
Quality Environmental Analysis

QUALITY INVESTIGATION REPORT

Analysis Date: 8-20-96
 Extraction Date: NA
 Analyst: COL

QIR No. MS-96-023
 Analysis: 534 (VOA)
 Matrix: 1
 Instrument ID: GCMSE

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
960813111	MW-961-107	Enserch	960813115	MW-961-80	Enserch
960813112	MW-961-108	↓	960813116	MW-961-79	↓
960813113	MW-961-82				
960813114	MW-961-81				

Brief Description: (include reason for non-compliance)

① Methylene chloride contamination in method Blank
 (3.8 ppb)

$\frac{1}{2}$ MRL is 0.25 ppb

② IS #3 low in sample 960813116.

Action Taken:

① Autosampler on the last day of HT.

② Result of meth in samples will be flagged with a "B"

Impact on Data Quality: No analytes were detected that no quantities
 960813116 will be reanalyzed post HT. Aff #3 IS

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

Other:

Annotation: As above

Client Contact:

Extraction: _____
 Analyst: Cecilia Jai
 Group Leader: Cecilia Jai
 QA Coordinator: M.B. Co.
 Project Manager: A. Eaton

Date: _____
 Date: 8-21-96
 Date: 8-21-96
 Date: 8/21/96
 Date: 8/23/96



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Laboratory Report

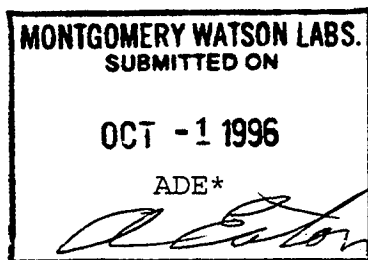
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28567
JPL

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Laboratory
Report
#28567

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

Samples Received
13-aug-1996 17:13:50

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-107 (960813111) Sampled on 08/13/96								
Regulated VOCs plus Lists 1&3								
08/27/96	53808		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/27/96	53808		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/27/96	53808		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/27/96	53808		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/27/96	53808		(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
	08/27/96	53808	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.3 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		

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#28567

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	84	% Rec		
MW-961-108 (960813112) Sampled on 08/13/96								
Regulated VOCs plus Lists 1&3								
08/27/96	53808		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/27/96	53808		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/27/96	53808		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/27/96	53808		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/27/96	53808		(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
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.9 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	80	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-82 (960813113)				Sampled on 08/13/96				
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	120	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.70	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	35	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.61	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	08/23/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.150	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	380	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	146	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.1	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	15	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	2.9	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/15/96		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	32	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/27/96	53808	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/27/96	53808	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/27/96	53808	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.6	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(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	103	% Rec		
			(Surrogate)	Toluene-d8	90	% Rec		

MW-961-81 (960813114) Sampled on 08/13/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	210	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	4.38	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	40	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	4.72	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	08/23/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.04	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	445	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2300	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	201	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.7	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	35	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	2.2	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/15/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	270	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/27/96	53808	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/27/96	53808	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/27/96	53808	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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**Laboratory
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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.7	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.6	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	13	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.4 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	124	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	86	% Rec		



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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-80 (960813115)				Sampled on 08/13/96				
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	260	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	4.52	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	45	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	4.83	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	08/23/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.10	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	460	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1200	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	213	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.8	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	15	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	30	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	2.4	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/15/96		(ML/S4500E-B)	Lab pH	7.9	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	26	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	270	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/27/96	53808	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/27/96	53808	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/27/96	53808	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.1	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.5	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	9.5	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(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	103	‡ Rec		
			(Surrogate)	Toluene-d8	88	‡ Rec		

MW-961-79 (960813116)

Sampled on 08/13/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	120	ug/l	50	1
	08/20/96	53342	(ML/S2320B)	Alkalinity	140	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.78	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	32	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.88	meq/l	0.0010	1
	08/14/96	53145	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	08/23/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.701	mg/l	0.0010	1
	08/16/96		(ML/S2510B)	Specific Conductance	385	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	910	ug/l	100	1
	08/23/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	171	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	16	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	21	mg/l	1.0	1
	08/14/96	53151	(ML/EPA 300.0)	Nitrate-N by IC	1.2	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	2.3	ug/l	2.0	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/15/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	08/14/96	53155	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	08/22/96	53460	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/21/96	53617	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/21/96	53617	(ML/EPA 624)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	08/21/96	53617	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/21/96	53617	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Carbon Tetrachloride	2.0	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/21/96	53617	(ML/EPA 524.2)	Chloroform (Trichloromethane)	6.7	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Bromodichloromethane	0.8	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/21/96	53617	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/21/96	53617	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Trichloroethylene (TCE)	7.9	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/21/96	53617	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	93	% Rec		
			(Surrogate)	Toluene-d8	89	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution



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Group Comments

(524) B indicates that the compound is also detected in the method blank.

Methylene chloride contamination in the method blank when these samples were analyzed for 524.2 on 8/20/96. In addition internal standard #3 recovered less than 70% in sample 960813116 (MW-961-79). Samples were reanalyzed within 14 days on 8/27/96. QIR-MS-96-023.

Sample 960813116 were reanalyzed on 8/21/96 and the internal standard recoveries are within QC limits but several compounds failed in the continuing calibration standard and response for 2-chloroethylvinyl ether is lost. QIR-MS-96-024.

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QC Batch #53145**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.9	99.6	(90.00 - 110.00)	
LCS2	Chloride	25	24.8	99.2	(90.00 - 110.00)	0.40
MBLK	Chloride	ND				
MS	Chloride	25	26.1	104.4	(80.00 - 120.00)	
MSD	Chloride	25	26.1	104.4	(80.00 - 120.00)	0.00

QC Batch #53151**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.56	102.4	(90.00 - 110.00)	0.39
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 #53155**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.5	99.0	(90.00 - 110.00)	
LCS2	Sulfate	50	49.1	98.2	(90.00 - 110.00)	0.81
MBLK	Sulfate	ND				
MS	Sulfate	50	49.0	98.0	(70.00 - 130.00)	
MSD	Sulfate	50	49.1	98.2	(70.00 - 130.00)	0.20

QC Batch #53342**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	96.1	99.9	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	95.2	99.0	(90.00 - 110.00)	0.94
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	91.2	94.8	(80.00 - 120.00)	
MSD	Alkalinity	96.2	91.2	94.8	(80.00 - 120.00)	0.00

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QC Batch #53460**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.49	98.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.48	96.0	(80.00 - 120.00)	2.1
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.417	104.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.427	106.7	(70.00 - 130.00)	2.4

QC Batch #53493**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	162	92.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	1.2
MBLK	Total Dissolved Solids	ND				

QC Batch #53617**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.97	99.2	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.48	112.0	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.55	88.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.99	99.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	4.31	107.7	(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	4.97	124.2	(70.00 - 130.00)	

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MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.76	94.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.57	89.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	7.18	89.8	(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	4.02	100.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.72	93.0	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	4.51	112.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.96	99.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.80	95.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.52	88.0	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.83	95.8	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.64	91.0	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	5.03	125.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			

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LCS1	Fluorotrichloromethane (Freon1)	2	2.32	116.0	(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	3.51	87.8	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	4.26	106.5	(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	3.59	89.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.12	103.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	2.47	123.5	(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	8.28	103.5	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.94	98.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.12	78.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.80	95.0	(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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LCS1	trans-1,2-Dichloroethylene	4	4.05	101.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53808**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.83	95.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.70	92.5	(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	4.02	100.5	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.85	96.2	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.71	92.8	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.82	85.2	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				
MBLK	2-Butanone (MEK)	ND				
MBLK	2-Chloroethylvinylether	ND				
MBLK	4-Methyl-2-Pentanone (MIBK)	ND				
LCS1	Benzene	4	3.65	91.2	(70.00 - 130.00)	
MBLK	Benzene	ND				

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MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.91	97.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.06	76.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.77	94.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.82	95.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.65	91.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.82	95.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.69	92.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.79	94.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.08	104.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.34	108.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.94	98.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.72	93.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.72	93.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.53	88.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			

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

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Laboratory
 QC Report
 #28567

Foster Wheeler Environmental, Inc
 (continued)

LCS1	Trichlorotrifluoroethane (Freon	4	4.17	104.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.79	89.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.83	95.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.40	92.5	(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	4.03	100.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.88	97.0	(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	3.53	88.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53891**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.0	100.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	3.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

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

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QC Report
#28567

Foster Wheeler Environmental, Inc
(continued)

QC Batch #53893**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	0.80
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	49.5	99.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	48.5	97.0	(80.00 - 120.00)	2.0

QC Batch #53897**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	0.00
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(80.00 - 120.00)	3.4

QC Batch #53899**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	47.8	95.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.8	97.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.4	102.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	0.19

QC Batch #54507**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	226	113.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	230	115.0	(85.00 - 115.00)	1.8
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		

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Foster Wheeler Environmental, Inc
(continued)

MS	Aluminum, Total, ICAP/MS	200	180	90.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	200	187	94.0	(70.00 - 130.00)	3.8

QC Batch #54510**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	528	105.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	544	108.8	(85.00 - 115.00)	3.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	560	112.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	522	104.0	(70.00 - 130.00)	7.0

QC Batch #54512**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.8	94.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	1.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.1	95.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.1	96.0	(70.00 - 130.00)	0.00

QC Batch #54650**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	0.45
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0173	86.5	(85.00 - 115.00)	19

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



MONTGOMERY WATSON LABORATORIES

September 30, 1996

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

Attention: Mark Cutler

Re: Report # 28583 (MW-961-77, 78, 97; 109,110)

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):

Several analytes failed the continuing calibration criteria and the instrument lost response for 2 chloroethyl vinyl ether for the analysis conducted within 7 day holding time (QIR MS 96-024). Samples were re-analyzed within 14 days and all QC was within method criteria.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

Acetone was detected in several samples as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

THF was detected as a TIC in one sample. Chloroform was detected in one sample.

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

8/24
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

OCT -1 1996
ADE*

Report#: 28583
JPL

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Laboratory
Report
#28583

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

Samples Received
14-aug-1996 09:00:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-109 (960815001)			Sampled on 08/14/96					
Regulated VOCs plus Lists 1&3								
08/28/96	53814		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/28/96	53814		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/28/96	53814		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/28/96	53814		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1


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#28583

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	5.5 B	ug/L		1
			(EPA 524.2)	Tetrahydrofuran	1.1	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	115	% Rec		

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Laboratory
 Report
 #28583

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	88	% Rec		
MW-961-110 (960815002) Sampled on 08/14/96								
Regulated VOCs plus Lists 1&3								
08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	

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**Laboratory
Report
#28583**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.7 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	116	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	85	% Rec		

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Laboratory
 Report
 #28583

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-78 (960815003)			Sampled on 08/14/96					
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	330	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.34	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	30	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.28	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	6.1	mg/l	1.0	1
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.816	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	340	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	540	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	15	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	0.6	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/20/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	25	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	200	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.8	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.5 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	114	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	86	% Rec		

MW-961-77 (960815004) Sampled on 08/14/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.41	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	33	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.43	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	5.4	mg/l	1.0	1
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.325	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	345	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	110	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	158	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	15	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	0.8	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/20/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	29	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	200	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.3 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	90	% Rec		

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Report
#28583

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-97 (960815005) Sampled on 08/14/96								
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.60	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	11	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.89	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	7.8	mg/l	1.0	1
	08/28/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	11.2	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	365	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	172	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.7	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	2.6	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	71	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/20/96		(ML/S4500B-B)	Lab pH	9.0	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	23	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.8 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	106	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		



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Group Comments

(524) Several analytes failed the % diff criteria in the continuing calibration analyzed on 8/21/96 and the instrument lost the response for 2-chloroethylvinyl ether. Samples were analyzed on 8/21/96 to meet the 7 day holding time. Samples were reanalyzed within 14 days on 8/28/96 and all QC are within method acceptance criteria. QIR-MS-96-024.

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QC Batch #53299**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.3	97.2	(90.00 - 110.00)	
LCS2	Chloride	25	24.4	97.6	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	25.7	102.8	(80.00 - 120.00)	
MSD	Chloride	25	25.6	102.4	(80.00 - 120.00)	0.39

QC Batch #53302**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	2.56	102.4	(90.00 - 110.00)	3.2
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.47	98.8	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.46	98.4	(80.00 - 120.00)	0.41

QC Batch #53304**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	48.5	97.0	(90.00 - 110.00)	
LCS2	Sulfate	50	48.8	97.6	(90.00 - 110.00)	0.62
MBLK	Sulfate	ND				
MS	Sulfate	50	51.0	102.0	(70.00 - 130.00)	
MSD	Sulfate	50	51.1	102.2	(70.00 - 130.00)	0.20

QC Batch #53493**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	162	92.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	1.2
MBLK	Total Dissolved Solids	ND				

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

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QC Batch #53555**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	94.5	98.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.1	97.8	(90.00 - 110.00)	0.42
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	0.00

QC Batch #53653**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	0.5	0.369	73.8	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.393	78.6	(70.00 - 130.00)	6.3

QC Batch #53814**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.90	97.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.74	93.5	(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	4.19	104.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.96	99.0	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.74	93.5	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.93	86.6	(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	3.74	93.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.99	99.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.06	76.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.91	97.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.86	96.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.63	90.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.85	96.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	3.88	97.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.04	102.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.26	106.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.86	96.5	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.87	96.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.58	89.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.19	104.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.71	85.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.77	97.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.09	102.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.88	97.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.91	97.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			

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

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Foster Wheeler Environmental, Inc
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MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.57	89.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53891**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.0	100.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	3.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #53893**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	0.80
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	49.5	99.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	48.5	97.0	(80.00 - 120.00)	2.0

QC Batch #53897**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	0.00
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(80.00 - 120.00)	3.4

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

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QC Batch #53899**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	47.8	95.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.8	97.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.4	102.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	0.19

QC Batch #54507**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	226	113.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	230	115.0	(85.00 - 115.00)	1.8
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	200	180	90.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	200	187	94.0	(70.00 - 130.00)	3.8

QC Batch #54510**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	528	105.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	544	108.8	(85.00 - 115.00)	3.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	560	112.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	522	104.0	(70.00 - 130.00)	7.0

QC Batch #54512**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.8	94.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	1.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		

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

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MS	Lead, Total, ICAP/MS	20	19.1	95.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.1	96.0	(70.00 - 130.00)	0.00

QC Batch #54650**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	0.45
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0173	86.5	(85.00 - 115.00)	19

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



MONTGOMERY WATSON LABORATORIES

September 30, 1996

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

Attention: Mark Cutler

Re: Report # 28610 (MW-961-93-96; 111,112)

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):

When these samples were first analyzed within the 7 day holding time 1,1,2,2 Tetrachloroethane was recovered below the QC limit in the LCS. Additionally, several analytes (2 chloroethyl vinyl ether and n-propylbenzen) failed the continuing calibration criteria and IS #3 was recovered below QC limits in all samples. (QIR MS 96-025). Samples were re-analyzed within 14 days and all QC was within method criteria.

Samples requiring dilution (with increased MRL's):

None

Method blanks with compounds detected:

Acetone was detected in several samples as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

THMs were detected in several samples.

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

QUALITY INVESTIGATION REPORT

Analysis Date: 8-22-96
 Extraction Date: NA
 Analyst: COL

QIR No. MS-96-025
 Analysis: 524
 Matrix: 1
 Instrument ID: GCMS

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
960815096	MW-961-112	ENSERCH	96081500	MW 961-94	Ensersch
960815097	MW-961-111		960815101	MW 961-93	"
960815098	MW-961-96				
960815099	MW 961-95				

Brief Description: (include reason for non-compliance)

- ① 1,1,2,2-Tetrachloroethane recovered below QC limit in LCS.
- ② n-Propylbenzene and 2-Chloroethylvinyl Ether % Diff > 30 in continuing calibration std.
- ③ 2 surrogates recoveries > QC limit in All samples and M.B.
- ④ IS #3 low in All samples

Action Taken: Rerun LCS & CONTINUING CAL. - Result are worse.
 Samples analyzed to meet HT. (The other VOA inst. is down)
 Will analyze or new initial calibration on 8/23/96

Impact on Data Quality: Chloroform, DEBME & acetone are detected in above samples. These analytes are quantitated off IS #1

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

Other:

Annotation: report results from both runs

Client Contact:

Extraction: Cecilia Dei
 Analyst: Cecilia Dei
 Group Leader: 102
 QA Coordinator: A Eaton
 Project Manager:

Date: 8-23-96
 Date: 8-23-96
 Date: 8/23/96
 Date: 8/23/96



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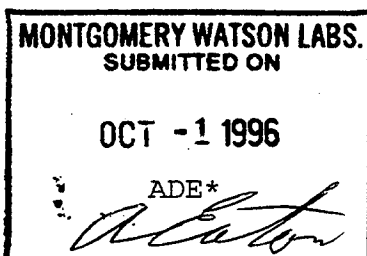
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28610
JPL

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Report
#28610

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

Samples Received
15-aug-1996 16:19:37

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-112 (960815096)				Sampled on 08/15/96				
Regulated VOCs plus Lists 1&3								
08/29/96	53942	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/29/96	53942	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/29/96	53942	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/29/96	53942	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/29/96	53942	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53942	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53942	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53942	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.6 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	92	% 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	103	% Rec		
MW-961-111 (960815097) Sampled on 08/15/96								
Regulated VOCs plus Lists 1&3								
08/29/96	53818		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/29/96	53818		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/29/96	53818		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/29/96	53818		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Laboratory
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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	5.2 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		


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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-96 (960815098)			Sampled on 08/15/96					
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	130	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.34	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	7.1	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.67	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	10	mg/l	1.0	1
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	4.06	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	350	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	130	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	157	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	1.2	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	2.4	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	71	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/20/96		(ML/S4500H-B)	Lab pH	8.6	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	22	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/29/96	53818		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.8 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
MW-961-95 (960815099) Sampled on 08/15/96								
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	4.30	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	18	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	4.68	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	23	mg/l	1.0	1
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	6.29	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	440	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	193	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	59	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/20/96		(ML/S4500H-B)	Lab pH	8.7	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	18	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	250	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.7(B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

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Laboratory
 Report
 #28610

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-94 (960815100)				Sampled on 08/15/96				
09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	3.72	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	13	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	3.96	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	08/28/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	13.0	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	370	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	340	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	159	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	54	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	0.8	mg/l	0.10	1
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/20/96		(ML/S4500H-B)	Lab pH	9.1	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	30	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1

Regulated VOCs plus Lists 1&3

08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	6.8	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	0.9	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.0 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	‡ Rec		
			(Surrogate)	4-Bromofluorobenzene	99	‡ Rec		
			(Surrogate)	Toluene-d8	101	‡ Rec		

MW-961-93 (960815101)

Sampled on 08/15/96

09/04/96	09/16/96	54507	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	09/06/96		(ML/SM1040)	Anion Sum	9.49	meq/l	0.0010	1
09/04/96	09/13/96	54650	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/04/96	53899	(ML/S3111B)	Calcium, Flame AA	96	mg/l	1.0	1
	09/06/96		(ML/SM1040)	Cation Sum	9.11	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	64	mg/l	2.0	2
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.775	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	940	umho/cm	4.0	1
09/04/96	09/16/96	54510	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1700	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
	09/04/96	53891	(ML/S3111B)	Potassium, Flame AA	3.9	mg/l	1.0	1
	09/04/96	53897	(ML/S3111B)	Magnesium, Flame AA	38	mg/l	1.0	1
	09/04/96	53893	(ML/S3111B)	Sodium, Flame AA	25	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	19	mg/l	0.20	2
09/04/96	09/16/96	54512	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/20/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	155	mg/l	4.0	2
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/20/96	53493	(ML/S2540C)	Total Dissolved Solids	560	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.4 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	103	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution



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Group Comments

(524) Samples first analyzed within 7 days HT with the following QC problems:

1. 1,1,2,2-Tetrachloroethane recovered below QC limit in the LCS.
2. n-Propylbenzene and 2-chloroethylvinyl ether failed % difference criteria in the continuing calibration standard.
3. Surrogates and internal standard #3 recovered below QC limit in all the samples.

Samples reanalyzed within 14 days without QC problems.
QIR-MS-96-025.

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QC Batch #53299**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.3	97.2	(90.00 - 110.00)	
LCS2	Chloride	25	24.4	97.6	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	25.7	102.8	(80.00 - 120.00)	
MSD	Chloride	25	25.6	102.4	(80.00 - 120.00)	0.39

QC Batch #53302**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	2.56	102.4	(90.00 - 110.00)	3.2
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.47	98.8	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.46	98.4	(80.00 - 120.00)	0.41

QC Batch #53304**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	48.5	97.0	(90.00 - 110.00)	
LCS2	Sulfate	50	48.8	97.6	(90.00 - 110.00)	0.62
MBLK	Sulfate	ND				
MS	Sulfate	50	51.0	102.0	(70.00 - 130.00)	
MSD	Sulfate	50	51.1	102.2	(70.00 - 130.00)	0.20

QC Batch #53493**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	162	92.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	164	93.7	(85.00 - 115.00)	1.2
MBLK	Total Dissolved Solids	ND				

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

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QC Batch #53555**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	94.5	98.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.1	97.8	(90.00 - 110.00)	0.42
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	0.00

QC Batch #53653**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	0.5	0.369	73.8	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.393	78.6	(70.00 - 130.00)	6.3

QC Batch #53818**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.26	81.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				

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MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	3.63	90.8	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.31	82.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.21	80.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.07	75.9	(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	3.29	82.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.47	86.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.08	77.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.44	86.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.33	83.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.32	83.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.74	87.0	(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	3.98	99.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.62	90.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.19	79.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon)	4	3.70	92.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon)	ND			
LCS1	Vinyl chloride (VC)	2	1.73	86.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.03	75.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.75	96.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.66	91.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.86	96.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.50	87.5	(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	3.01	75.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53891**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.0	100.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	3.9
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.1	105.5	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	20.9	104.5	(80.00 - 120.00)	0.95

QC Batch #53893**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	49.9	99.8	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	50.3	100.6	(90.00 - 110.00)	0.80
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	49.5	99.0	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	48.5	97.0	(80.00 - 120.00)	2.0

QC Batch #53897**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.5	102.5	(90.00 - 110.00)	0.00
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	20.8	104.0	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	20.1	100.5	(80.00 - 120.00)	3.4

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

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QC Batch #53899**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	47.8	95.6	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.8	97.6	(90.00 - 110.00)	2.1
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	51.4	102.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	51.5	103.0	(80.00 - 120.00)	0.19

QC Batch #53942**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.26	81.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.63	90.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.31	82.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.21	80.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.07	75.9	(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	3.29	82.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.47	86.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.08	77.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.44	86.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.33	83.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.32	83.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.74	87.0	(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	3.98	99.5	(70.00 - 130.00)

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MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.62	90.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.19	79.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.70	92.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.73	86.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.03	75.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.75	96.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.66	91.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.86	96.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.50	87.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.01	75.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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QC Batch #54507**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	226	113.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	230	115.0	(85.00 - 115.00)	1.8
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	200	180	90.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	200	187	94.0	(70.00 - 130.00)	3.8

QC Batch #54510**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	528	105.6	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	544	108.8	(85.00 - 115.00)	3.0
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	560	112.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	522	104.0	(70.00 - 130.00)	7.0

QC Batch #54512**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.8	94.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	19.0	95.0	(85.00 - 115.00)	1.1
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	19.1	95.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	19.1	96.0	(70.00 - 130.00)	0.00

QC Batch #54650**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0224	112.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0223	111.5	(85.00 - 115.00)	0.45
MBLK	Arsenic, Total, GF	ND				

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

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Laboratory
QC Report
#28610

Foster Wheeler Environmental, Inc
(continued)

MS	Arsenic, Total, GF	0.020	0.0210	105.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0173	86.5	(85.00 - 115.00)	19

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



MONTGOMERY WATSON LABORATORIES

October 1, 1996

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

Attention: Mark Cutler

Re: Report # 28631 (MW-961-113, 114, 100-102)

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 samples in this set were analyzed within the 7 day holding time for volatiles but the last two IS recoveries were low and the spike recoveries for 1,1-DCE and t-1,2-DCE were above the QC limits in the LCS analyzed on 8/23/96. On the reanalysis at 14 day holding time, the second IS was low in samples 114, 100, and 57. No analytes quantitated off the second IS were found in these samples. (Ref QIR MS-96-026 and MS-96-031). Cis-1,2-DCE was just below the 70% limit in the LCS associated with these samples. Calcium was recovered high in the MSD.

Samples requiring dilution (with increased MRL's):

Some samples were diluted for anions.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

Sample -100 was used as an MS and MSD for 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
Fax: 608 231 4777

Quality Environmental Analysis

QUALITY INVESTIGATION REPORT

Analysis Date: AUG 23, 1996
 Extraction Date: NA
 Analyst: Ym

QIR No. MS-96-026
 Analysis: 5242
 Matrix: WATER
 Instrument ID: GCMSD

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
960816101	MW-961-113	FOSKI WHEELER	960816106	MW-961-100-MS	FOSKI WHEELER
960816102	MW-961-114		960816107	MW-961-100-MS	↓
960816103	MW-961-102				
960816104	MW-961-101				
960816105	MW-961-100				

Brief Description: (include reason for non-compliance)

- 1) IS #2,3 low in all samples and in method blank
- 2) 1,1-DCE and t 1,2-DCE recovered high (above criteria) in LCS.

Action Taken:

- 1) Samples analyzed on 7th day of holding time.
- 2) Re-analyzed LCS and prep'd a new LCS - results worse.
 Cleaned MS on 8/24/96. Samples run 8/26 all OK.

Impact on Data Quality:

Samples will be re-analyzed, past holding time.

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

Other:

Annotation:

Client Contact: Report Both sets of data.

Extraction: NA
 Analyst: Updelt Martin
 Group Leader: Beckie
 QA Coordinator: Yld
 Project Manager: Andrew Patton

Date: 8-26-96
 Date: 8-27-96
 Date: 8-28-96
 Date: 8-28-96

QUALITY INVESTIGATION REPORT

Analysis Date: August 20, 1996

Extraction Date: NA

Analyst: Vom

QIR No. MS-96-031

Analysis: 524.2

Matrix: WATER

Instrument ID: GCMSD

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
960816102	MW-961-114	Foster Wheeler			
960816105	MW-961-100	↓			
960828130	MW-961-57				

Brief Description: (include reason for non-compliance)

IS #2 (1,4-Dichlorobutane) recovery is below QC criteria.

Action Taken:

960816102 + 960816105 - None, this was a re-run and there is no ^{more} sample to rerun it.

960828130 was rerun some day but IS was low again.

Impact on Data Quality:

No analytes detected that were quantitated off IS#2. (Positives quantitated at IS#2 would be biased high).

Data Disposition:

Re-run ☐

Re-sample ☐

Original Data Reported ☒

Report Annotated ☒

Other:

Annotation:

Annotate

Client Contact:

Resample not required as per Mark Collier

Extraction:

Analyst:

Group Leader:

QA Coordinator:

Project Manager:

NA
Yolanda Martin
Cecilia Lee
Jul 82 Co
Andy Eaton

Date:

Date:

Date:

Date:

Date:

NA

9-11-96

9-11-96

9-11-96

9-11-96



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Laboratory Report

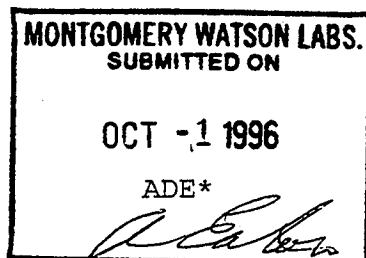
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28631
JPL

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Laboratory
Report
#28631

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

Samples Received
16-aug-1996 16:08:44

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-113 (960816101) Sampled on 08/16/96								
Regulated VOCs plus Lists 1&3								
08/30/96	54145		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/30/96	54145		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/30/96	54145		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/30/96	54145		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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**Laboratory
 Report
 #28631**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(MLS24.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.9 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	94	‡ Rec		
			(Surrogate)	4-Bromofluorobenzene	97	‡ Rec		

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Laboratory
Report
#28631

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	103	% Rec		
MW-961-114 (960816102) Sampled on 08/16/96								
Regulated VOCs plus Lists 1&3								
08/30/96	54145		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/30/96	54145		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/30/96	54145		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/30/96	54145		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/30/96	54145		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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**Laboratory
 Report
 #28631**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.5 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	94	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Report
#28631

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-102 (960816103)			Sampled on 08/16/96					
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	120	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	185	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	7.32	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	68	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	7.34	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	56	mg/l	2.0	2
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.16	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	750	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2800	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	225	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.8	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	29	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	34	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	9.6	mg/l	0.20	2
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/20/96		(ML/S4500H-B)	Lab pH	7.9	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	65	mg/l	4.0	2
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	420	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/30/96	54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/30/96	54145	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	4.5	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

MW-961-101 (960816104) Sampled on 08/16/96

09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	200	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	8.06	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	86	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	8.18	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	67	mg/l	2.0	2
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.795	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	805	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	450	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	244	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	30	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	31	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	10	mg/l	0.20	2
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/20/96		(ML/S4500H-B)	Lab pH	7.7	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	70	mg/l	4.0	2
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	470	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/30/96	54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/30/96	54145	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	4.2	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.8	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(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	96	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-100 (960816105) Sampled on 08/16/96								
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	235	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	9.70	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	110	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	10.4	meq/l	0.0010	1
	08/16/96	53299	(ML/EPA 300)	Chloride	92	mg/l	2.0	2
	08/28/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	1.17	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	965	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	830	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	286	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	37	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	40	mg/l	1.0	1
	08/16/96	53302	(ML/EPA 300.0)	Nitrate-N by IC	8.6	mg/l	0.20	2
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/20/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	08/16/96	53304	(ML/EPA 300)	Sulfate	86	mg/l	4.0	2
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.10	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	550	mg/l	10	1
Regulated VOCs plus Lists 1&3								
08/30/96		54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/30/96		54145	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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**Laboratory
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#28631**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/30/96	54145	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.5	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	0.7	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(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	98	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-961-100 MS (960816106)

Sampled on 08/16/96

Regulated VOCs plus Lists 1&3

08/30/96	54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethylene	3.27	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.28	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.37	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	3.29	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	08/30/96	54145	(EPA/SM 524.2)	Benzene	3.13	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	3.55	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	3.51	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	3.58	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	3.50	ug/l	0.50	1
	08/30/96	54145	(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	105	% Rec		

MW-961-100 MSD (960816107)

Sampled on 08/16/96

Regulated VOCs plus Lists 1&3

08/30/96	54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethylene	3.92	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	4.03	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	4.16	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	NA	ug/l	1.0	1
	08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	4.03	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	08/30/96	54145	(EPA/SM 524.2)	Benzene	3.75	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	4.37	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	4.15	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	4.17	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	4.27	ug/l	0.50	1
	08/30/96	54145	(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	105	% Rec		



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Group Comments

(524) All samples in this set were analyzed within 7 day HT on 8/23/96 but the last two internal standard recoveries were low in the samples and the spike recoveries for 1,1-DCE and t-1,2-DCE were above QC limits in the LCS on 8/23/96. Samples were reanalyzed on 8/30/96. On 8/30/96, the second internal standard recovery was low in samples MW-961-114, MW-961-100 and MW-961-57. No analytes quantitated off the second internal standard were found in these samples. Positives would be biased high otherwise. Reference QIR-MS-96-026 and QIR-MS-96-031.

(524) B indicates that the compound is also detected in the method blank.

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QC Batch #53299**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	24.3	97.2	(90.00 - 110.00)	
LCS2	Chloride	25	24.4	97.6	(90.00 - 110.00)	0.41
MBLK	Chloride	ND				
MS	Chloride	25	25.7	102.8	(80.00 - 120.00)	
MSD	Chloride	25	25.6	102.4	(80.00 - 120.00)	0.39

QC Batch #53302**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	2.56	102.4	(90.00 - 110.00)	3.2
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.47	98.8	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.46	98.4	(80.00 - 120.00)	0.41

QC Batch #53304**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	48.5	97.0	(90.00 - 110.00)	
LCS2	Sulfate	50	48.8	97.6	(90.00 - 110.00)	0.62
MBLK	Sulfate	ND				
MS	Sulfate	50	51.0	102.0	(70.00 - 130.00)	
MSD	Sulfate	50	51.1	102.2	(70.00 - 130.00)	0.20

QC Batch #53555**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	94.5	98.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.1	97.8	(90.00 - 110.00)	0.42
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	0.00

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Foster Wheeler Environmental, Inc
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QC Batch #53630**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	178	101.7	(85.00 - 115.00)	4.6
MBLK	Total Dissolved Solids	ND				

QC Batch #53653**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	0.5	0.369	73.8	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.393	78.6	(70.00 - 130.00)	6.3

QC Batch #54062**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.99
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	0.00

QC Batch #54063**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	0.39
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	51.6	103.2	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	51.8	103.6	(80.00 - 120.00)	0.39

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QC Batch #54064**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	2.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9

QC Batch #54065**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	45.4	90.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.4	96.8	(90.00 - 110.00)	6.4
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	56.9	113.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	61.5	<u>123.0</u>	(80.00 - 120.00)	7.8

QC Batch #54145**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.46	86.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.63	90.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.32	83.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.27	81.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.13	78.2	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				

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MBLK	1,2,3-Trichloropropane	ND			
LCS1	1,2,4-Trichlorobenzene	4	3.61	90.2	(70.00 - 130.00)
MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.11	77.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.14	78.5	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.06	75.8	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.31	82.8	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.39	84.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.79	94.8	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.49	87.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.84	96.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.53	88.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.13	78.2	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.58	89.5	(70.00 - 130.00)
MBLK	Dichloromethane	ND			

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LCS1	Ethyl benzene	4	3.90	97.5	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.69	84.5	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.34	83.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.14	103.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.59	89.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.67	91.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.15	78.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.72	93.0	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.79	89.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	2.79	<u>69.8</u>	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.92	99.0	(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	3.68	92.0	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.99	99.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.64	91.0	(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	2.88	72.0	(70.00 - 130.00)	
MBLK	trans-1,2-Dichloroethylene	ND				
MBLK	trans-1,3-Dichloropropene	ND				

QC Batch #54508**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	180	90.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	179	89.5	(85.00 - 115.00)	0.56
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	400	332	83.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	400	362	87.0	(70.00 - 130.00)	8.6

QC Batch #54511**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	556	111.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	547	109.4	(85.00 - 115.00)	1.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	1000	1040	104.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	1000	1090	109.0	(70.00 - 130.00)	4.7

QC Batch #54513**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	17.8	89.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	17.0	85.0	(85.00 - 115.00)	4.6
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	40	35.1	88.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	40	37.0	93.0	(70.00 - 130.00)	5.3

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #54646**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0182	91.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	1.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.040	0.0340	85.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.040	0.0397	99.2	(85.00 - 115.00)	15

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MONTGOMERY WATSON LABORATORIES

October 1, 1996

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

Attention: Mark Cutler

Re: Report # 28637 (MW-961-115, 116, 98-99)

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 -98 was analyzed neat and was also analyzed one day past the 7 day holding time for TCE quantitation (ref QIR MS-96-027). Calcium was recovered high in the MSD.

Samples requiring dilution (with increased MRL's):

-98 was diluted for TCE analysis. All other compounds were reported from the neat run.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

TCE was detected above the MCL.

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
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Quality Environmental Analysis



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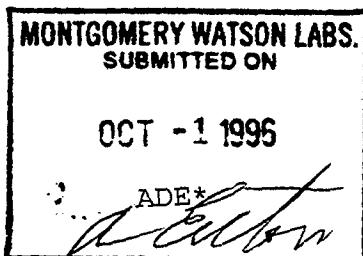
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28637
JPL

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#28637

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

Samples Received
19-aug-1996 13:10:04

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-116 (960819020)				Sampled on 08/19/96				
Regulated VOCs plus Lists 1&3								
08/26/96	53649		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/26/96	53649		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/26/96	53649		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/26/96	53649		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1



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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.9 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		
			(Surrogate)	4-Bromofluorobenzene	104	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	96	% Rec		
MW-961-115 (960819021) Sampled on 08/19/96								
Regulated VOCs plus Lists 1&3								
08/26/96	53649		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/26/96	53649		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/26/96	53649		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/26/96	53649		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/26/96	53649		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/26/96	53649		(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
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.4 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-99 (960819022)				Sampled on 08/19/96				
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	250	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	12.5	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	120	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	12.7	meq/l	0.0010	1
	08/21/96	53420	(ML/EPA 300)	Chloride	120	mg/l	2.0	2
	08/28/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	1.25	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	1180	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	ND	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	305	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	3.4	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	51	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	56	mg/l	1.0	1
	08/21/96	53451	(ML/EPA 300.0)	Nitrate-N by IC	5.2	mg/l	0.20	2
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/22/96		(ML/S4500H-B)	Lab pH	7.8	Units	0.0010	1
	08/21/96	53454	(ML/EPA 300)	Sulfate	180	mg/l	4.0	2
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	08/22/96	53812	(ML/S2540C)	Total Dissolved Solids	810	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/26/96	53649	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/26/96	53649	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/26/96	53649	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.9	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

MW-961-98 (960819023)**Sampled on 08/19/96**

09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/23/96	53555	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	8.52	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	92	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	8.63	meq/l	0.0010	1
	08/21/96	53420	(ML/EPA 300)	Chloride	75	mg/l	2.0	2
	08/28/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.075	mg/l	0.0010	1
	08/22/96		(ML/S2510B)	Specific Conductance	840	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	120	ug/l	100	1
	08/28/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	32	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	31	mg/l	1.0	1
	08/21/96	53451	(ML/EPA 300.0)	Nitrate-N by IC	17	mg/l	0.20	2
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/22/96		(ML/S4500H-B)	Lab pH	6.8	Units	0.0010	1
	08/21/96	53454	(ML/EPA 300)	Sulfate	105	mg/l	4.0	2
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.13	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	500	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/26/96	53649	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/26/96	53649	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/26/96	53649	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.8	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	0.7	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	33	ug/l	1.0	2
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.3 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	96	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution



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Group Comments

(524) B indicates that the compound is also detected in the method blank. Sample 960819023 (MW-961-98) was analyzed diluted for TCE one day past the 7 day HT. QIR-MS-96-027.

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QC Batch #53420**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.2	100.8	(90.00 - 110.00)	
LCS2	Chloride	25	25.4	101.6	(90.00 - 110.00)	0.79
MBLK	Chloride	ND				
MS	Chloride	25	26.7	106.8	(80.00 - 120.00)	
MSD	Chloride	25	26.7	106.8	(80.00 - 120.00)	0.00

QC Batch #53451**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.55	102.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.58	103.2	(90.00 - 110.00)	1.2
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	2.51	100.4	(80.00 - 120.00)	0.00

QC Batch #53454**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.6	99.2	(90.00 - 110.00)	
LCS2	Sulfate	50	50.1	100.2	(90.00 - 110.00)	1.0
MBLK	Sulfate	ND				
MS	Sulfate	50	51.7	103.4	(70.00 - 130.00)	
MSD	Sulfate	50	51.9	103.8	(70.00 - 130.00)	0.39

QC Batch #53555**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	94.5	98.2	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.1	97.8	(90.00 - 110.00)	0.42
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	
MSD	Alkalinity	96.2	94.0	97.7	(80.00 - 120.00)	0.00

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

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QC Batch #53630**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	178	101.7	(85.00 - 115.00)	4.6
MBLK	Total Dissolved Solids	ND				

QC Batch #53649**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.47	86.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.36	84.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropane	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.27	81.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.13	78.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.21	77.6	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				

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MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.14	78.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.41	85.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.37	84.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.37	84.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.28	82.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.27	81.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.42	85.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.31	82.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.31	82.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.96	98.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.45	86.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.41	85.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.23	80.8	(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
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Foster Wheeler Environmental, Inc
(continued)

MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.24	81.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.06	76.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.86	96.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.65	82.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.47	86.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	6.62	82.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.53	88.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.31	82.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.43	85.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.23	80.8	(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 #53653**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	0.5	0.369	73.8	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.393	78.6	(70.00 - 130.00)	6.3

QC Batch #53812**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	178	101.7	(85.00 - 115.00)	4.6
MBLK	Total Dissolved Solids	ND				

QC Batch #54062**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.99
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	0.00

QC Batch #54063**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	0.39
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	51.6	103.2	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	51.8	103.6	(80.00 - 120.00)	0.39

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Foster Wheeler Environmental, Inc
(continued)

QC Batch #54064**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	2.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9

QC Batch #54065**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	45.4	90.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.4	96.8	(90.00 - 110.00)	6.4
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	56.9	113.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	61.5	<u>123.0</u>	(80.00 - 120.00)	7.8

QC Batch #54508**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	180	90.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	179	89.5	(85.00 - 115.00)	0.56
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	400	332	83.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	400	362	87.0	(70.00 - 130.00)	8.6

QC Batch #54511**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	556	111.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	547	109.4	(85.00 - 115.00)	1.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		

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MS	Iron, Total, ICAP/MS	1000	1040	104.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	1000	1090	109.0	(70.00 - 130.00)	4.7

QC Batch #54513**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	17.8	89.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	17.0	85.0	(85.00 - 115.00)	4.6
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	40	35.1	88.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	40	37.0	93.0	(70.00 - 130.00)	5.3

QC Batch #54646**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0182	91.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	1.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.040	0.0340	85.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.040	0.0397	99.2	(85.00 - 115.00)	15

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

Report Summary of positive results, PR28637

			Result	MDL	UNITS
Analyzed	960819020	MW-961-116			
08/26/96	Data Entry		08/29/96		--
Analyzed	960819021	MW-961-115			
08/26/96	Data Entry		08/29/96		--
Analyzed	960819022	MW-961-99			
08/26/96	Chloroform (Trichloromethane)		0.5	.500	UGL
08/26/96	Data Entry		08/29/96		--
08/26/96	Tetrachloroethylene (PCE)		0.9	.500	UGL
08/23/96	Alkalinity		250	2.000	MGL
09/25/96	Anion Sum		12.5	.001	MEQL
08/28/96	Bicarbonate as HCO ₃ ,calculated		305	.001	MGL
09/06/96	Calcium, Flame AA		120	1.000	MGL
08/28/96	Carbonate as CO ₃ , Calculated		1.25	.001	MGL
09/25/96	Cation Sum		12.7	.001	MEQL
08/21/96	Chloride		120	2.000	MGL
08/22/96	Lab pH		7.8	.001	UNIT
09/06/96	Magnesium, Flame AA		51	1.000	MGL
08/21/96	Nitrate-N by IC		5.2	.200	MGL
09/06/96	Potassium, Flame AA		3.4	1.000	MGL
09/06/96	Sodium, Flame AA		56	1.000	MGL
08/22/96	Specific Conductance		1180	4.000	UMHO
08/21/96	Sulfate		180	4.000	MGL
08/22/96	Total Dissolved Solids		810	10.000	MGL
08/27/96	Total phosphorus-P		0.07	.050	MGL
Analyzed	960819023	MW-961-98			
08/26/96	Chloroform (Trichloromethane)		1.8	.500	UGL
08/26/96	Data Entry		08/29/96		--
08/26/96	Tetrachloroethylene (PCE)		0.7	.500	UGL
08/27/96	Trichloroethylene (TCE)		33	1.000	UGL
08/23/96	Alkalinity		150	2.000	MGL
09/25/96	Anion Sum		8.52	.001	MEQL
08/28/96	Bicarbonate as HCO ₃ ,calculated		183	.001	MGL
09/06/96	Calcium, Flame AA		92	1.000	MGL
08/28/96	Carbonate as CO ₃ , Calculated		0.075	.001	MGL
09/25/96	Cation Sum		8.63	.001	MEQL
08/21/96	Chloride		75	2.000	MGL
09/16/96	Iron, Total, ICAP/MS		120	*****	UGL
08/22/96	Lab pH		6.8	.001	UNIT
09/06/96	Magnesium, Flame AA		32	1.000	MGL
08/21/96	Nitrate-N by IC		17	.200	MGL
09/06/96	Potassium, Flame AA		2.0	1.000	MGL
09/06/96	Sodium, Flame AA		31	1.000	MGL
08/22/96	Specific Conductance		840	4.000	UMHO
08/21/96	Sulfate		105	4.000	MGL
08/22/96	Total Dissolved Solids		500	10.000	MGL
08/27/96	Total phosphorus-P		0.13	.050	MGL



MONTGOMERY WATSON LABORATORIES

October 10, 1996

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

Attention: Mark Cutler

Re: Report # 28674 (MW-961-117, 118, 69-72) revised

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 volatiles samples were analyzed within holding times with acceptable QC. Calcium was recovered high in the MSD. This group includes samples which had appparent Cr-VI between 5 (new CRDL) and 10 ppb (the old CRDL). Because these samples were originally considered ND, a turbidity blank was not run at the time. A turbidity blank correction performed on October 9, 1996 demonstrated that the values were probably non-detect at 5 ppb because the turbidity blank exceeded the original measured absorbance. These results are therefore flagged with a J (for estimated) in the database.

Samples requiring dilution (with increased MRL's):

None.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

THF was dtected as a TIC.

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



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Laboratory Report

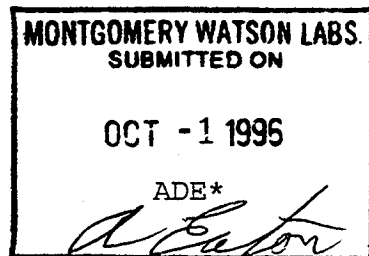
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28674
JPL

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Laboratory
Report
#28674

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

Samples Received
20-aug-1996 16:37:10

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-117 (960820089)				Sampled on 08/20/96				
Regulated VOCs plus Lists 1&3								
08/26/96	53649	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/26/96	53649	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/26/96	53649	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/26/96	53649	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/26/96	53649	(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
	08/26/96	53649	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.9 B	ug/L		1
			(EPA 524.2)	Tetrahydrofuran	6.5	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	105	% Rec		


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Laboratory
Report
#28674

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	4-Bromofluorobenzene	103	% Rec		
			(Surrogate	Toluene-d8	96	% Rec		
MW-961-118 (960820090) Sampled on 08/20/96								
Regulated VOCs plus Lists 1&3								
08/26/96	53649	(ML/EPA 524.2	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/26/96	53649	(ML/EPA 624	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/26/96	53649	(ML/EPA 524.2	o-Chlorotoluene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	p-Chlorotoluene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/26/96	53649	(EPA/SM 524.2	Benzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	Bromobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	Chlorobenzene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
08/26/96	53649	(ML/EPA 524.2	Bromoform	ND	ug/l	0.50	1	


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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.1 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	108	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		


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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-69 (960820091)			Sampled on 08/20/96					
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	155	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	4.96	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GP	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	42	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	4.81	meq/l	0.0010	1
	08/21/96	53420	(ML/EPA 300)	Chloride	28	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.23	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/12/96	53340	(ML/SW 7196)	Hexavalent chromium	0.006	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	495	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	170	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	189	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.0	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	17	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	29	mg/l	1.0	1
	08/22/96	53484	(ML/EPA 300.0)	Nitrate-N by IC	10	mg/l	0.20	2
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/23/96		(ML/S4500H-B)	Lab pH	8.0	Units	0.0010	1
	08/21/96	53454	(ML/EPA 300)	Sulfate	17	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	290	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/26/96	53649	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/26/96	53649	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/26/96	53649	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		

MW-961-71 (960820092)

Sampled on 08/20/96

09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	145	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	3.48	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	14	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	3.58	meq/l	0.0010	1
	08/21/96	53420	(ML/EPA 300)	Chloride	7.9	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	5.70	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/12/96	53340	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	335	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	210	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	175	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	42	mg/l	1.0	1
	08/21/96	53451	(ML/EPA 300.0)	Nitrate-N by IC	0.1	mg/l	0.10	1
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/23/96		(ML/S4500H-B)	Lab pH	8.7	Units	0.0010	1
	08/21/96	53454	(ML/EPA 300)	Sulfate	17	mg/l	2.0	1
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	210	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/26/96	53649	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/26/96	53649	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/26/96	53649	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/26/96	53649	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/26/96	53649	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/26/96	53649	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/26/96	53649	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(EPA 524.2)	Acetone	2.1 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-961-70 (960820093) Sampled on 08/20/96								
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
MW-961-72 (960820095) Sampled on 08/20/96								
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1



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Group Comments

(524) B indicates that the compound is also detected in the method blank.

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QC Batch #53340**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0454	90.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0466	93.2	(78.00 - 118.00)	2.6
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0492	98.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0504	100.8	(80.00 - 120.00)	2.4

QC Batch #53420**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.2	100.8	(90.00 - 110.00)	
LCS2	Chloride	25	25.4	101.6	(90.00 - 110.00)	0.79
MBLK	Chloride	ND				
MS	Chloride	25	26.7	106.8	(80.00 - 120.00)	
MSD	Chloride	25	26.7	106.8	(80.00 - 120.00)	0.00

QC Batch #53451**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.55	102.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.58	103.2	(90.00 - 110.00)	1.2
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	2.51	100.4	(80.00 - 120.00)	0.00

QC Batch #53454**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.6	99.2	(90.00 - 110.00)	
LCS2	Sulfate	50	50.1	100.2	(90.00 - 110.00)	1.0
MBLK	Sulfate	ND				
MS	Sulfate	50	51.7	103.4	(70.00 - 130.00)	
MSD	Sulfate	50	51.9	103.8	(70.00 - 130.00)	0.39

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QC Batch #53484**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.58	103.2	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.57	102.8	(90.00 - 110.00)	0.39
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.71	108.4	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.73	109.2	(80.00 - 120.00)	0.74

QC Batch #53630**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	178	101.7	(85.00 - 115.00)	4.6
MBLK	Total Dissolved Solids	ND				

QC Batch #53649**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.47	86.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.95	98.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.36	84.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.43	85.8	(70.00 - 130.00)	

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MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.27	81.8	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.13	78.2	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.21	77.6	(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	3.14	78.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.41	85.2	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.37	84.2	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.37	84.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.28	82.0	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.27	81.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.42	85.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.31	82.8	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.31	82.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			

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LCS1	Fluorotrichloromethane (Freon1)	2	1.96	98.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	3.45	86.2	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.41	85.2	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.23	80.8	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.24	81.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.06	76.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.86	96.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.65	82.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.47	86.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	6.62	82.8	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.53	88.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.31	82.8	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.43	85.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			

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LCS1	trans-1,2-Dichloroethylene	4	3.23	80.8	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53653**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	0.5	0.369	73.8	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.393	78.6	(70.00 - 130.00)	6.3

QC Batch #53863**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	93.4	97.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.2	97.9	(90.00 - 110.00)	0.85
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	0.00

QC Batch #54062**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.99
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	0.00

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QC Batch #54063**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	0.39
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	51.6	103.2	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	51.8	103.6	(80.00 - 120.00)	0.39

QC Batch #54064**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	2.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9

QC Batch #54065**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	45.4	90.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.4	96.8	(90.00 - 110.00)	6.4
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	56.9	113.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	61.5	<u>123.0</u>	(80.00 - 120.00)	7.8

QC Batch #54508**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	180	90.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	179	89.5	(85.00 - 115.00)	0.56
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		

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Foster Wheeler Environmental, Inc
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MS	Aluminum, Total, ICAP/MS	400	332	83.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	400	362	87.0	(70.00 - 130.00)	8.6

QC Batch #54509**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	93.1	93.1	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	89.0	89.0	(85.00 - 115.00)	4.5
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	200	182	91.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	200	189	95.0	(70.00 - 130.00)	3.8

QC Batch #54511**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	556	111.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	547	109.4	(85.00 - 115.00)	1.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	1000	1040	104.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	1000	1090	109.0	(70.00 - 130.00)	4.7

QC Batch #54513**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	17.8	89.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	17.0	85.0	(85.00 - 115.00)	4.6
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	40	35.1	88.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	40	37.0	93.0	(70.00 - 130.00)	5.3

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

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Laboratory
QC Report
#28674

Foster Wheeler Environmental, Inc
(continued)

QC Batch #54646**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0182	91.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	1.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.040	0.0340	85.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.040	0.0397	99.2	(85.00 - 115.00)	15

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



MONTGOMERY WATSON LABORATORIES

October 1, 1996

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

Attention: Mark Cutler

Re: Report # 28704 (MW-961-119, 120, 63-68)

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 volatiles samples were analyzed within holding times with acceptable QC. Calcium was recovered high in the MSD.

Samples requiring dilution (with increased MRL's):

None.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

None

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



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Laboratory Report

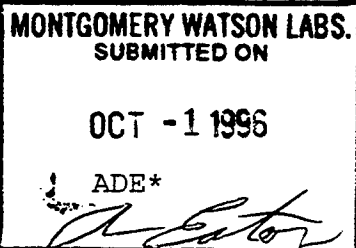
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28704
JPL

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Laboratory
Report
#28704

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

Samples Received
21-aug-1996 15:52:24

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-119 (960821103)			Sampled on 08/21/96					
Regulated VOCs plus Lists 1&3								
08/27/96	53808	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/27/96	53808	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/27/96	53808	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/27/96	53808	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/27/96	53808	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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Laboratory
 Report
 #28704

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.3 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		

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Laboratory
 Report
 #28704

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	87	% Rec		
MW-961-120 (960821104) Sampled on 08/21/96								
Regulated VOCs plus Lists 1&3								
08/27/96	53808		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/27/96	53808		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/27/96	53808		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/27/96	53808		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Laboratory
Report
#28704

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected				1
			(Surrogate)	1,2-Dichloroethane-d4	106	µg Rec		
			(Surrogate)	4-Bromofluorobenzene	101	µg Rec		
			(Surrogate)	Toluene-d8	85	µg Rec		

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Laboratory
Report
#28704

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-63 (960821105)			Sampled on 08/21/96					
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	09/04/96	53862	(ML/S2320B)	Alkalinity	195	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	12.8	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	135	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	12.7	meq/l	0.0010	1
	08/21/96	53420	(ML/EPA 300)	Chloride	120	mg/l	3.0	3
	09/05/96		(ML/S2320-B)	Carbonate as CO ₃ , Calculated	0.245	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/12/96	53340	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	1240	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	410	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	238	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	50	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	40	mg/l	1.0	1
	08/21/96	53451	(ML/EPA 300.0)	Nitrate-N by IC	18	mg/l	0.30	3
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/23/96		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	08/21/96	53454	(ML/EPA 300)	Sulfate	205	mg/l	6.0	3
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	780	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/27/96	53808	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethane	2.4	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/27/96	53808	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/27/96	53808	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.6	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected				1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	102	% Rec		
			(Surrogate)	Toluene-d8	93	% Rec		

MW-961-64 (960821106) Sampled on 08/21/96

09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1

MW-961-65 (960821107) Sampled on 08/21/96

09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	09/04/96	53862	(ML/S2320B)	Alkalinity	265	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	13.6	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	145	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	13.7	meq/l	0.0010	1
	08/21/96	53420	(ML/EPA 300)	Chloride	125	mg/l	3.0	3
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.333	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/12/96	53340	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	1310	umho/cm	4.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1400	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	323	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.6	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	58	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	36	mg/l	1.0	1
	08/21/96	53451	(ML/EPA 300.0)	Nitrate-N by IC	15	mg/l	0.30	3
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/23/96		(ML/S4500H-B)	Lab pH	7.2	Units	0.0010	1
	08/21/96	53454	(ML/EPA 300)	Sulfate	180	mg/l	6.0	3
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	0.06	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	810	mg/l	10	1

Regulated VOCs plus Lists 1&3

08/27/96	53808	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethane	1.4	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/27/96	53808	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/27/96	53808	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/27/96	53808	(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
	08/27/96	53808	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.5	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	1.6	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	2.8	ug/l	0.50	1
	08/27/96	53808	(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
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected				1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	94	% Rec		
MW-961-66 (960821108) Sampled on 08/21/96								
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
MW-961-67 (960821109) Sampled on 08/21/96								
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	09/04/96	53862	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	8.35	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	59	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	8.20	meq/l	0.0010	1
	08/21/96	53420	(ML/EPA 300)	Chloride	83	mg/l	2.0	2
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.60	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/12/96	53340	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	840	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	230	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	3.6	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	41	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	41	mg/l	1.0	1
	08/21/96	53451	(ML/EPA 300.0)	Nitrate-N by IC	11	mg/l	0.20	2
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/23/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	08/21/96	53454	(ML/EPA 300)	Sulfate	97	mg/l	4.0	2
	08/27/96	53653	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/22/96	53630	(ML/S2540C)	Total Dissolved Solids	480	mg/l	10	1

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Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
Regulated VOCs plus Lists 1&3								
08/27/96	53808		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/27/96	53808		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/27/96	53808		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/27/96	53808		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
08/27/96	53808		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/27/96	53808	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/27/96	53808	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/27/96	53808	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/27/96	53808	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None Detected				1
			(Surrogate)	1,2-Dichloroethane-d4	106	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		
			(Surrogate)	Toluene-d8	95	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-68 (960821110)				Sampled on 08/21/96				
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1



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Group Comments

(524) B indicates that the compound is also detected in the method blank.

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QC Batch #53340**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0454	90.8	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0466	93.2	(78.00 - 118.00)	2.6
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0492	98.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0504	100.8	(80.00 - 120.00)	2.4

QC Batch #53420**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.2	100.8	(90.00 - 110.00)	
LCS2	Chloride	25	25.4	101.6	(90.00 - 110.00)	0.79
MBLK	Chloride	ND				
MS	Chloride	25	26.7	106.8	(80.00 - 120.00)	
MSD	Chloride	25	26.7	106.8	(80.00 - 120.00)	0.00

QC Batch #53451**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.55	102.0	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.58	103.2	(90.00 - 110.00)	1.2
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	2.51	100.4	(80.00 - 120.00)	0.00

QC Batch #53454**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	49.6	99.2	(90.00 - 110.00)	
LCS2	Sulfate	50	50.1	100.2	(90.00 - 110.00)	1.0
MBLK	Sulfate	ND				
MS	Sulfate	50	51.7	103.4	(70.00 - 130.00)	
MSD	Sulfate	50	51.9	103.8	(70.00 - 130.00)	0.39

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QC Batch #53630**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	178	101.7	(85.00 - 115.00)	4.6
MBLK	Total Dissolved Solids	ND				

QC Batch #53653**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	0.5	0.369	73.8	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.5	0.393	78.6	(70.00 - 130.00)	6.3

QC Batch #53808**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.86	96.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.11	102.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.83	95.8	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.70	92.5	(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	4.02	100.5	(70.00 - 130.00)	

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MBLK	1,2,4-Trichlorobenzene	ND			
MBLK	1,2,4-Trimethylbenzene	ND			
LCS1	1,2-Dichloroethane	4	3.85	96.2	(70.00 - 130.00)
MBLK	1,2-Dichloroethane	ND			
LCS1	1,2-Dichloropropane	4	3.71	92.8	(70.00 - 130.00)
MBLK	1,2-Dichloropropane	ND			
MBLK	1,3,5-Trimethylbenzene	ND			
LCS1	1,3-Dichloropropane	8	6.82	85.2	(70.00 - 130.00)
MBLK	1,3-Dichloropropane	ND			
MBLK	2,2-Dichloropropane	ND			
MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.65	91.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.91	97.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.06	76.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.77	94.2	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.82	95.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.65	91.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.82	95.5	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.69	92.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.79	94.8	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			

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LCS1	Fluorotrichloromethane (Freon1)	2	2.08	104.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.34	108.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	3.94	98.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.72	93.0	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.72	93.0	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.53	88.2	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.17	104.2	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.79	89.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.83	95.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.40	92.5	(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	4.03	100.8	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.88	97.0	(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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LCS1	trans-1,2-Dichloroethylene	4	3.53	88.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53862**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	95.1	98.9	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	93.8	97.5	(90.00 - 110.00)	1.4
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	94.4	98.1	(80.00 - 120.00)	
MSD	Alkalinity	96.2	92.4	96.0	(80.00 - 120.00)	2.1

QC Batch #54062**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.99
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	0.00

QC Batch #54063**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	0.39
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	51.6	103.2	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	51.8	103.6	(80.00 - 120.00)	0.39

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QC Batch #54064**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	2.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9

QC Batch #54065**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	45.4	90.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.4	96.8	(90.00 - 110.00)	6.4
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	56.9	113.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	61.5	<u>123.0</u>	(80.00 - 120.00)	7.8

QC Batch #54508**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	180	90.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	179	89.5	(85.00 - 115.00)	0.56
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	400	332	83.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	400	362	87.0	(70.00 - 130.00)	8.6

QC Batch #54509**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	93.1	93.1	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	89.0	89.0	(85.00 - 115.00)	4.5
MBLK	Chromium, Total, ICAP/MS	ND		0.0		

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

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Laboratory
 QC Report
 #28704

Foster Wheeler Environmental, Inc
 (continued)

MS	Chromium, Total, ICAP/MS	200	182	91.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	200	189	95.0	(70.00 - 130.00)	3.8

QC Batch #54511**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	556	111.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	547	109.4	(85.00 - 115.00)	1.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	1000	1040	104.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	1000	1090	109.0	(70.00 - 130.00)	4.7

QC Batch #54513**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	17.8	89.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	17.0	85.0	(85.00 - 115.00)	4.6
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	40	35.1	88.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	40	37.0	93.0	(70.00 - 130.00)	5.3

QC Batch #54646**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0182	91.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	1.7
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.040	0.0340	85.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.040	0.0397	99.2	(85.00 - 115.00)	15

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



MONTGOMERY WATSON LABORATORIES

October 1, 1996

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

Attention: Mark Cutler

Re: Report # 28726 (MW-961-121, 122, 19-24)

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):

One surrogate failed high in samples -121, 122, 23. IS #1 and #2 were low in both -121 and -122. IS #1 was low in sample- 23. Samples were not able to be rerun due to autosampler malfunction (ref QIR MS-96-028). Calcium was recovered high in the MSD.

Samples requiring dilution (with increased MRL's):

None.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

THF was detected as a TIC.

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

QUALITY INVESTIGATION REPORT

Analysis Date: 8-28-96 8-29-96
 Extraction Date:
 Analyst: Ynm/COL

QIR No. MS-96-028
 Analysis: 524.2
 Matrix: 1
 Instrument ID: GCMSD

SAMPLES IMPACTED

Lab #	Client ID	Client Name	Lab #	Client ID	Client Name
960822054	MW-961-121	Foster			
960822055	MW-961-122	Wheeler			
960822056	MW-961- ²³ ~~123~~	↓			

Brief Description: (include reason for non-compliance)

- 1,2-DCA dy, one of the surrogate recoveries above QC limits in all 3 samples.
- Internal Std #1 and #2 are low (< 70%) in samples 960822054 & 55.
- Internal Std #1 is low in sample 960822056

Action Taken: Samples rerun on 8/29 and data were unusable due to autosampler malfunction.

Samples analyzed manually on 8/29 until autosampler is fixed and backup vcr inst. is up.

Impact on Data Quality:

Acetone & THF detected as TIC'S in sample 960822054 & 55, are biased high because they are quantitated off IS #1.

Sample 960822056 is All ND - should not affect data quality.

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

Other:

Annotation:

Client Contact: Rerun between 7-14 days to get better quantitation for acetone

Extraction: Cecilia Lei
 Analyst: Cecilia Lei
 Group Leader:
 QA Coordinator:
 Project Manager:

Date: 8-30-96
 Date: 8-30-96
 Date: 8/30/96
 Date: 9/2/96



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Laboratory Report

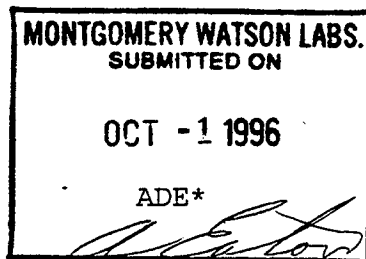
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28726
JPL

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Report
#28726

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

Samples Received
22-aug-1996 14:15:49

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-121 (960822054)				Sampled on 08/22/96				
Regulated VOCs plus Lists 1&3								
08/28/96	53814		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/28/96	53814		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/28/96	53814		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/28/96	53814		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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#28726

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	5.5 B	ug/L		1
			(EPA 524.2)	Tetrahydrofuran	1.1	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	127	% Rec		

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**Laboratory
 Report
 #28726**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	4-Bromofluorobenzene	100	% Rec		
			(Surrogate	Toluene-d8	91	% Rec		

MW-961-122 (960822055) Sampled on 08/22/96

Regulated VOCs plus Lists 1&3

08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1



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Laboratory
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#28726

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	6.0 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	136	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	107	% Rec		

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Laboratory
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 #28726

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-23 (960822056)			Sampled on 08/22/96					
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	3.87	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	31	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	4.04	meq/l	0.0010	1
	08/23/96	53529	(ML/EPA 300)	Chloride	8.4	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.60	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/23/96	53599	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	340	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	620	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	195	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	1.9	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	9.6	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	38	mg/l	1.0	1
	08/23/96	53540	(ML/EPA 300.0)	Nitrate-N by IC	1.1	mg/l	0.10	1
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	08/23/96	53541	(ML/EPA 300)	Sulfate	17	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	0.05	mg/l	0.050	1
	08/28/96	53811	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(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	130	µ Rec		
			(Surrogate)	4-Bromofluorobenzene	96	µ Rec		
			(Surrogate)	Toluene-d8	105	µ Rec		

MW-961-24 (960822057) Sampled on 08/22/96

09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1

MW-961-21 (960822058) Sampled on 08/22/96

09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	160	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	4.22	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	32	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	4.25	meq/l	0.0010	1
	08/23/96	53529	(ML/EPA 300)	Chloride	16	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.27	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/23/96	53599	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	370	umho/cm	4.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	820	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	195	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	1.8	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	11	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	39	mg/l	1.0	1
	08/23/96	53540	(ML/EPA 300.0)	Nitrate-N by IC	5.4	mg/l	0.10	1
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	8.0	Units	0.0010	1
	08/23/96	53541	(ML/EPA 300)	Sulfate	8.7	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	08/28/96	53811	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1

Regulated VOCs plus Lists 1&3

08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/28/96	53814	(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
	08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(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
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.9 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	119	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	97	% Rec		
MW-961-22 (960822059) Sampled on 08/22/96								
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
MW-961-19 (960822060) Sampled on 08/22/96								
09/16/96	09/16/96	54508	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	4.40	meq/l	0.0010	1
09/16/96	09/20/96	54646	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	38	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	4.53	meq/l	0.0010	1
	08/23/96	53529	(ML/EPA 300)	Chloride	22	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.19	mg/l	0.0010	1
09/16/96	09/16/96	54509	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/23/96	53599	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	410	umho/cm	4.0	1
09/16/96	09/16/96	54511	(EPA/ML 200.8)	Iron, Total, ICAP/MS	110	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	1.8	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	33	mg/l	1.0	1
	08/23/96	53540	(ML/EPA 300.0)	Nitrate-N by IC	7.7	mg/l	0.10	1
09/16/96	09/16/96	54513	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	8.0	Units	0.0010	1
	08/23/96	53541	(ML/EPA 300)	Sulfate	11	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	0.07	mg/l	0.050	1
	08/28/96	53811	(ML/S2540C)	Total Dissolved Solids	270	mg/l	10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
Regulated VOCs plus Lists 1&3								
08/28/96	53814		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/28/96	53814		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/28/96	53814		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/28/96	53814		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
08/28/96	53814		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.0 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	117	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	99	% Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-20 (960822061)				Sampled on 08/22/96				
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1



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Group Comments

(524) B indicates that the compound is also detected in the method blank.

(524) One surrogate failed high in samples 960822054, 55, 56.

Internal standard#1 and #2 are low in 960822054 and 55

Internal standard#1 is low in sample 960822056.

Samples were lost upon rerun the next day due to autosampler malfunction. QIR-MS-96-028.

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QC Batch #53529**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.6	102.4	(90.00 - 110.00)	
LCS2	Chloride	25	25.5	102.0	(90.00 - 110.00)	0.39
MBLK	Chloride	ND				
MS	Chloride	25	27.3	109.2	(80.00 - 120.00)	
MSD	Chloride	25	27.2	108.8	(80.00 - 120.00)	0.37

QC Batch #53540**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.59	103.6	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.53	101.2	(90.00 - 110.00)	2.3
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.58	103.2	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.59	103.6	(80.00 - 120.00)	0.39

QC Batch #53541**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.5	101.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50.3	100.6	(90.00 - 110.00)	0.40
MBLK	Sulfate	ND				
MS	Sulfate	50	52.8	105.6	(70.00 - 130.00)	
MSD	Sulfate	50	53.0	106.0	(70.00 - 130.00)	0.38

QC Batch #53599**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0511	102.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0524	104.8	(78.00 - 118.00)	2.5
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0536	107.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0548	109.6	(80.00 - 120.00)	2.2

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QC Batch #53811**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	160	91.4	(85.00 - 115.00)	0.00
MBLK	Total Dissolved Solids	ND				

QC Batch #53814**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.90	97.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.74	93.5	(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	4.19	104.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.74	93.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.93	86.6	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				

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MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.74	93.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.99	99.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.06	76.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.91	97.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.86	96.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.63	90.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.85	96.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.88	97.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.04	102.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.26	106.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.86	96.5	(70.00 - 130.00)

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.87	96.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.58	89.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.19	104.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.71	85.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.77	97.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.09	102.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.88	97.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.91	97.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.57	89.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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QC Batch #53863**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	93.4	97.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.2	97.9	(90.00 - 110.00)	0.85
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	0.00

QC Batch #53888**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.48	96.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.49	98.0	(80.00 - 120.00)	2.1
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.389	97.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.405	101.2	(70.00 - 130.00)	4.0

QC Batch #54062**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.99
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	0.00

QC Batch #54063**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	0.39
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
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MS	Sodium, Flame AA	50	51.6	103.2	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	51.8	103.6	(80.00 - 120.00)	0.39

QC Batch #54064**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	2.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9

QC Batch #54065**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	45.4	90.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.4	96.8	(90.00 - 110.00)	6.4
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	56.9	113.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	61.5	<u>123.0</u>	(80.00 - 120.00)	7.8

QC Batch #54508**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	180	90.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	179	89.5	(85.00 - 115.00)	0.56
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	400	332	83.0	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	400	362	87.0	(70.00 - 130.00)	8.6

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

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Foster Wheeler Environmental, Inc
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QC Batch #54509**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	93.1	93.1	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	89.0	89.0	(85.00 - 115.00)	4.5
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	200	182	91.0	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	200	189	95.0	(70.00 - 130.00)	3.8

QC Batch #54511**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	556	111.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	547	109.4	(85.00 - 115.00)	1.6
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	1000	1040	104.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	1000	1090	109.0	(70.00 - 130.00)	4.7

QC Batch #54513**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	17.8	89.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	17.0	85.0	(85.00 - 115.00)	4.6
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	40	35.1	88.0	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	40	37.0	93.0	(70.00 - 130.00)	5.3

QC Batch #54646**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0182	91.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0179	89.5	(85.00 - 115.00)	1.7
MBLK	Arsenic, Total, GF	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	Arsenic, Total, GF	0.040	0.0340	85.0	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.040	0.0397	99.2	(85.00 - 115.00)	15

QC Batch #54673**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	93.3	93.3	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.9	96.9	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	93.7	93.7	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	88.7	88.7	(70.00 - 130.00)	5.5

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



MONTGOMERY WATSON LABORATORIES

October 10, 1996

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

Attention: Mark Cutler

Re: Report # 28749 (MW-961-123-124, 13-18) revised

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. Calcium was recovered high in the MSD. This group includes samples which had appparent Cr-VI between 5 (new CRDL) and 10 ppb (the old CRDL). Because these samples were originally considered ND, a turbidity blank was not run at the time. A turbidity blank correction performed on October 9, 1996 demonstrated that the values were probably non-detect at 5 ppb because the turbidity blank exceeded the original measured absorbance. These results are therefore flagged with a J (for estimated) in the database.

Samples requiring dilution (with increased MRL's):

None.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

Carbon tetrachloride and other volatiles were detected in some samples. Sample -15 was used as an MS/MSD for volatiles.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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Quality Environmental Analysis



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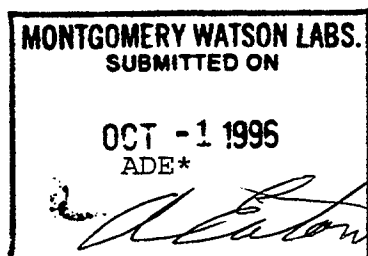
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28749
JPL

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Report
#28749

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

Samples Received
23-aug-1996 14:18:50

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-123 (960823030)				Sampled on 08/23/96				
Regulated VOCs plus Lists 1&3								
08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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#28749**

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	5.0 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	117	% Rec		
			(Surrogate)	4-Bromofluorobenzene	103	% Rec		

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**Laboratory
 Report
 #28749**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate)	Toluene-d8	87	± Rec		
MW-961-124 (960823031) Sampled on 08/23/96								
Regulated VOCs plus Lists 1&3								
08/29/96	53818		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/29/96	53818		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/29/96	53818		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/29/96	53818		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1



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Laboratory
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#28749

Foster Wheeler Environmental, Inc
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.8 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	110	% Rec		
			(Surrogate)	4-Bromofluorobenzene	101	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

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Laboratory
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 #28749

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-15 (960823032)				Sampled on 08/23/96				
09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	150	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	5.90	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	55	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	5.83	meq/l	0.0010	1
	08/23/96	53529	(ML/EPA 300)	Chloride	40	mg/l	2.0	2
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.299	mg/l	0.0010	1
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	23	ug/l	10	1
	08/23/96	53599	(ML/SW 7196)	Hexavalent chromium	0.006	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	550	umho/cm	4.0	1
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	2500	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	183	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	23	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	08/23/96	53540	(ML/EPA 300.0)	Nitrate-N by IC	8.2	mg/l	0.20	2
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	7.4	Units	0.0010	1
	08/23/96	53541	(ML/EPA 300)	Sulfate	57	mg/l	4.0	2
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	0.08	mg/l	0.050	1
	08/28/96	53811	(ML/S2540C)	Total Dissolved Solids	340	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/28/96	53814	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloroethylene	0.7	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloroethane	0.9	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/28/96	53814	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/28/96	53814	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/28/96	53814	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Carbon Tetrachloride	5.5	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroform (Trichloromethane)	6.7	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/28/96	53814	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/28/96	53814	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichloroethylene (TCE)	19	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/28/96	53814	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.2 B	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	118	% Rec		
			(Surrogate)	4-Bromofluorobenzene	99	% Rec		
			(Surrogate)	Toluene-d8	87	% Rec		

MW-961-16 (960823033) Sampled on 08/23/96

09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAF/MS	ND	ug/l	10	1

MW-961-17 (960823034) Sampled on 08/23/96

09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAF/MS	21	ug/l	10	1
	08/23/96	53599	(ML/SW 7196)	Hexavalent chromium	0.006	mg/l	0.005	1

Regulated VOCs plus Lists 1&3

08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	0.6	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	0.7	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	4.8	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.1	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	14	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.1 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	107	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		

MW-961-18 (960823035) Sampled on 08/23/96

09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1

MW-961-13 (960823036) Sampled on 08/23/96

09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	125	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	3.41	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	30	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	3.29	meq/l	0.0010	1
	08/23/96	53529	(ML/EPA 300)	Chloride	9.2	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	0.312	mg/l	0.0010	1



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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/23/96	53599	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/26/96		(ML/S2510B)	Specific Conductance	300	umho/cm	4.0	1
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	390	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO ₃ ,calculated	152	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.5	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	12	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	17	mg/l	1.0	1
	08/23/96	53540	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	7.5	Units	0.0010	1
	08/23/96	53541	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	08/28/96	53811	(ML/S2540C)	Total Dissolved Solids	220	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1


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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.9 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	107	‡ Rec		
			(Surrogate)	4-Bromofluorobenzene	98	‡ Rec		
			(Surrogate)	Toluene-d8	100	‡ Rec		

MW-961-14 (960823037) Sampled on 08/23/96

09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1

MW-961-15 MS (960823038) Sampled on 08/23/96

Regulated VOCs plus Lists 1&3

08/29/96	53942	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloroethylene	3.30	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.27	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.44	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
08/29/96	53942	(ML/EPA 624)	2-Chloroethylvinylether	NA	ug/l	1.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53942	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	p-Chlorotoluene	3.77	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1
	08/29/96	53942	(EPA/SM 524.2)	Benzene	3.17	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chlorobenzene	3.34	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.80	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 624)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	08/29/96	53942	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	08/29/96	53942	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53942	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Trichloroethylene (TCE)	1.19	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Toluene	3.49	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	80	% Rec		
			(Surrogate)	4-Bromofluorobenzene	100	% Rec		
			(Surrogate)	Toluene-d8	102	% Rec		

MW-961-15 MSD (960823039)

Sampled on 08/23/96

Regulated VOCs plus Lists 1&3

08/29/96	53942	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1,1-Trichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1,2-Trichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloroethylene	4.34	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,1-Dichloropropene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,3-Trichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	3.81	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2-Dichloroethane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,2-Dichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	1,3-Dichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	3.79	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	2,2-Dichloropropane	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	2-Butanone (MEK)	NA	ug/l	5.0	1
08/29/96	53942	(ML/EPA 624)	2-Chloroethylvinylether	NA	ug/l	1.0	1
08/29/96	53942	(ML/EPA 524.2)	o-Chlorotoluene	NA	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	p-Chlorotoluene	3.69	ug/l	0.50	1
08/29/96	53942	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	NA	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53942	(EPA/SM 524.2)	Benzene	3.57	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromobenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chlorobenzene	3.99	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Carbon Tetrachloride	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	cis-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromoform	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloroform (Trichloromethane)	5.08	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromochloromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloroethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Chlorodibromomethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Dibromomethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Bromodichloromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Dichloromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Ethyl benzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 624)	Dichlorodifluoromethane	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Hexachlorobutadiene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Isopropylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	m,p-Xylenes	NA	ug/l	0.50	1
	08/29/96	53942	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	NA	ug/l	5.0	1
	08/29/96	53942	(ML/EPA 524.2)	Naphthalene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	n-Butylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	n-Propylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	o-Xylene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	p-Isopropyltoluene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	sec-Butylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Styrene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	tert-Butylbenzene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Trichloroethylene (TCE)	16.2	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53942	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	trans-1,3-Dichloropropene	NA	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Toluene	3.89	ug/l	0.50	1
	08/29/96	53942	(ML/EPA 524.2)	Vinyl chloride (VC)	NA	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	98	% Rec		
			(Surrogate)	4-Bromofluorobenzene	98	% Rec		
			(Surrogate)	Toluene-d8	103	% Rec		



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(524) B indicates that the compound is also detected in the method blank.

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QC Batch #53529**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	25.6	102.4	(90.00 - 110.00)	
LCS2	Chloride	25	25.5	102.0	(90.00 - 110.00)	0.39
MBLK	Chloride	ND				
MS	Chloride	25	27.3	109.2	(80.00 - 120.00)	
MSD	Chloride	25	27.2	108.8	(80.00 - 120.00)	0.37

QC Batch #53540**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.59	103.6	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.53	101.2	(90.00 - 110.00)	2.3
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.58	103.2	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.59	103.6	(80.00 - 120.00)	0.39

QC Batch #53541**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	50.5	101.0	(90.00 - 110.00)	
LCS2	Sulfate	50	50.3	100.6	(90.00 - 110.00)	0.40
MBLK	Sulfate	ND				
MS	Sulfate	50	52.8	105.6	(70.00 - 130.00)	
MSD	Sulfate	50	53.0	106.0	(70.00 - 130.00)	0.38

QC Batch #53599**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0511	102.2	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0524	104.8	(78.00 - 118.00)	2.5
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0536	107.2	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0548	109.6	(80.00 - 120.00)	2.2

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QC Batch #53811**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	160	91.4	(85.00 - 115.00)	0.00
MBLK	Total Dissolved Solids	ND				

QC Batch #53814**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.90	97.5	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	4.07	101.8	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.98	99.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	4.24	106.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.74	93.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropane	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	4.19	104.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.96	99.0	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.74	93.5	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.93	86.6	(70.00 - 130.00)	
MBLK	1,3-Dichloropropane	ND				
MBLK	2,2-Dichloropropane	ND				

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MBLK	2-Butanone (MEK)	ND			
MBLK	2-Chloroethylvinylether	ND			
MBLK	4-Methyl-2-Pentanone (MIBK)	ND			
LCS1	Benzene	4	3.74	93.5	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.99	99.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.06	76.5	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.91	97.8	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.86	96.5	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.63	90.8	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	4.04	101.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.85	96.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.88	97.0	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	2.04	102.0	(70.00 - 130.00)
MBLK	Fluorotrichloromethane (Freon1)	ND			
MBLK	Hexachlorobutadiene	ND			
MBLK	Isopropylbenzene	ND			
LCS1	Methyl Tert-butyl ether (MTBE)	4	4.26	106.5	(70.00 - 130.00)
MBLK	Methyl Tert-butyl ether (MTBE)	ND			
MBLK	Naphthalene	ND			
LCS1	Styrene	4	4.00	100.0	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.86	96.5	(70.00 - 130.00)

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MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.87	96.8	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.58	89.5	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	4.19	104.8	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.71	85.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.76	94.0	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.77	97.1	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	4.09	102.2	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.88	97.0	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.91	97.8	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.57	89.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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QC Batch #53818		Regulated VOCs plus Lists 1&3				
QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.26	81.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.63	90.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.31	82.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.21	80.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.07	75.9	(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	3.29	82.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	3.47	86.8	(70.00 - 130.00)	

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MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.08	77.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.44	86.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.33	83.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.32	83.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.74	87.0	(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	3.98	99.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.62	90.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.19	79.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.70	92.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.73	86.5	(70.00 - 130.00)

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.03	75.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.75	96.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.66	91.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.86	96.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.50	87.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.01	75.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53863**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	93.4	97.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.2	97.9	(90.00 - 110.00)	0.85
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	89.5	93.0	(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 #53888**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.48	96.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.49	98.0	(80.00 - 120.00)	2.1
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.389	97.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.405	101.2	(70.00 - 130.00)	4.0

QC Batch #53942**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.26	81.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.63	90.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.31	82.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.21	80.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.07	75.9	(70.00 - 130.00)	

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Foster Wheeler Environmental, Inc
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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	3.29	82.2	(70.00 - 130.00)
MBLK	Benzene	ND			
MBLK	Bromobenzene	ND			
MBLK	Bromochloromethane	ND			
LCS1	Bromodichloromethane	4	3.47	86.8	(70.00 - 130.00)
MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.08	77.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.44	86.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.33	83.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.32	83.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.74	87.0	(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	3.98	99.5	(70.00 - 130.00)

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MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.62	90.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.19	79.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon	4	3.70	92.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon	ND			
LCS1	Vinyl chloride (VC)	2	1.73	86.5	(70.00 - 130.00)
MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.03	75.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.75	96.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.66	91.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.86	96.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.50	87.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.01	75.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

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Foster Wheeler Environmental, Inc
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QC Batch #54062**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.99
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	0.00

QC Batch #54063**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	0.39
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	51.6	103.2	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	51.8	103.6	(80.00 - 120.00)	0.39

QC Batch #54064**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	2.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9

QC Batch #54065**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	45.4	90.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.4	96.8	(90.00 - 110.00)	6.4
MBLK	Calcium, Flame AA	ND				

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MS	Calcium, Flame AA	50	56.9	113.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	61.5	<u>123.0</u>	(80.00 - 120.00)	7.8

QC Batch #54651**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0196	98.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0188	94.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0201	100.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0184	92.0	(85.00 - 115.00)	8.8

QC Batch #54669**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	226	113.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	214	107.0	(85.00 - 115.00)	5.5
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		
MS	Aluminum, Total, ICAP/MS	200	205	102.5	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	200	198	99.0	(70.00 - 130.00)	3.5

QC Batch #54673**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	93.3	93.3	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.9	96.9	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	93.7	93.7	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	88.7	88.7	(70.00 - 130.00)	5.5

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 #54677**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	536	107.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	552	110.4	(85.00 - 115.00)	2.9
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	555	111.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	531	106.0	(70.00 - 130.00)	4.4

QC Batch #54681**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.6	93.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	18.2	91.0	(85.00 - 115.00)	2.2
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	11.1	<u>56.0</u>	(70.00 - 130.00)	59

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



MONTGOMERY WATSON LABORATORIES

October 10, 1996

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

Attention: Mark Cutler

Re: Report # 28768 (MW-961-125-126, 45-50, 200) revised

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. Calcium was recovered high in the MSD. This group includes samples which had appparent Cr-VI between 5 (new CRDL) and 10 ppb (the old CRDL). Because these samples were originally considered ND, a turbidity blank was not run at the time. A turbidity blank correction performed on October 9, 1996 demonstrated that the values were probably non-detect at 5 ppb because the turbidity blank exceeded the original measured absorbance. These results are therefore flagged with a J (for estimated) in the database.

Samples requiring dilution (with increased MRL's):

None.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

Carbon tetrachloride and other volatiles were detected in some samples. THF was detected as a TIC in a sample.

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



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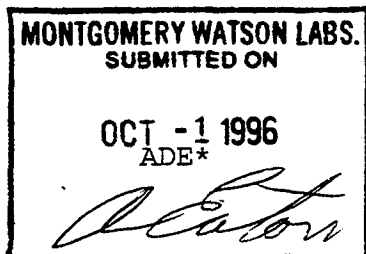
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28768
JPL

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Laboratory
Report
#28768

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

Samples Received
26-aug-1996 15:38:33

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-125 (960826065)				Sampled on 08/26/96				
Regulated VOCs plus Lists 1&3								
08/29/96	53818		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/29/96	53818		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/29/96	53818		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/29/96	53818		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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**Laboratory
 Report
 #28768**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Napthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	4.0 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	97	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		

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**Laboratory
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 #28768**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
			(Surrogate	) Toluene-d8	101	% Rec		
MW-961-126 (960826066) Sampled on 08/26/96								
Regulated VOCs plus Lists 1&3								
08/29/96	53818		(ML/EPA 524.2	) 1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,2-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 1,3-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 2,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 2-Butanone (MEK)	ND	ug/l	5.0	1
08/29/96	53818		(ML/EPA 624	) 2-Chloroethylvinylether	ND	ug/l	1.0	1
08/29/96	53818		(ML/EPA 524.2	) o-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) p-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) 4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/29/96	53818		(EPA/SM 524.2	) Benzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) Bromobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) Chlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) Carbon Tetrachloride	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2	) Bromoform	ND	ug/l	0.50	1
08/29/96	53818		(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
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	5.0 (B)	ug/L		1
			(EPA 524.2)	Tetrahydrofuran	1.0	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-49 (960826067) Sampled on 08/26/96								
09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	55	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	135	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	3.41	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GF	0.007	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	22	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	3.40	meq/l	0.0010	1
	08/28/96	53683	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.69	mg/l	0.0010	1
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/27/96	53600	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/30/96		(ML/S2510B)	Specific Conductance	330	umho/cm	4.0	1
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	150	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	164	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	1.1	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	2.2	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	48	mg/l	1.0	1
	08/28/96	53688	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	8.2	Units	0.0010	1
	08/28/96	53692	(ML/EPA 300)	Sulfate	19	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	09/02/96	53875	(ML/S2540C)	Total Dissolved Solids	180	mg/l	10	1
Regulated VOCs plus Lists 1&3								
	08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.4 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	101	µ Rec		
			(Surrogate)	4-Bromofluorobenzene	96	µ Rec		
			(Surrogate)	Toluene-d8	102	µ Rec		

MW-961-50 (960826068) Sampled on 08/26/96

09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1

MW-961-47 (960826069) Sampled on 08/26/96

09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	ND	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	165	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	4.13	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	34	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	3.96	meq/l	0.0010	1
	08/28/96	53683	(ML/EPA 300)	Chloride	11	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	2.59	mg/l	0.0010	1
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/27/96	53600	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/30/96		(ML/S2510B)	Specific Conductance	395	umho/cm	4.0	1

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**Laboratory
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 #28768**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1100	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	200	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.4	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	13	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	26	mg/l	1.0	1
	08/28/96	53688	(ML/EPA 300.0)	Nitrate-N by IC	ND	mg/l	0.10	1
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	8.3	Units	0.0010	1
	08/28/96	53692	(ML/EPA 300)	Sulfate	25	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	09/02/96	53875	(ML/S2540C)	Total Dissolved Solids	230	mg/l	10	1

Regulated VOCs plus Lists 1&3

08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/29/96	53818	(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
	08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.5	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(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
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.4 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	95	% Rec		
			(Surrogate)	4-Bromofluorobenzene	95	% Rec		
			(Surrogate)	Toluene-d8	100	% Rec		
MW-961-48 (960826070) Sampled on 08/26/96								
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
MW-961-45 (960826071) Sampled on 08/26/96								
09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	77	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	180	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	4.54	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GP	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	38	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	4.33	meq/l	0.0010	1
	08/28/96	53683	(ML/EPA 300)	Chloride	12	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	2.26	mg/l	0.0010	1
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/27/96	53600	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/30/96		(ML/S2510B)	Specific Conductance	425	umho/cm	4.0	1
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	640	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3, calculated	219	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	2.3	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	14	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	28	mg/l	1.0	1
	08/28/96	53688	(ML/EPA 300.0)	Nitrate-N by IC	0.2	mg/l	0.10	1
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/27/96		(ML/S4500H-B)	Lab pH	8.2	Units	0.0010	1
	08/28/96	53692	(ML/EPA 300)	Sulfate	28	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	0.08	mg/l	0.050	1
	09/02/96	53875	(ML/S2540C)	Total Dissolved Solids	250	mg/l	10	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
Regulated VOCs plus Lists 1&3								
08/29/96	53818		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/29/96	53818		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/29/96	53818		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/29/96	53818		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Carbon Tetrachloride	0.9	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.3	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.9 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-46 (960826072) Sampled on 08/26/96								
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
MW-961-200 (960826073) Sampled on 08/26/96								
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/27/96	53600	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
Regulated VOCs plus Lists 1&3								
08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)		ND	ug/l	5.0	1
08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether		ND	ug/l	1.0	1
08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)		ND	ug/l	5.0	1
08/29/96	53818	(EPA/SM 524.2)	Benzene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	Bromobenzene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene		ND	ug/l	0.50	1
08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene		ND	ug/l	0.50	1

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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	5.6 (B)	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	100	% Rec		
			(Surrogate	) 4-Bromofluorobenzene	98	% Rec		
			(Surrogate	) Toluene-d8	101	% Rec		



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Group Comments

(524) B indicates that the compound is also detected in the method blank.



MONTGOMERY WATSON LABORATORIES

October 10, 1996

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

Attention: Mark Cutler

Re: Report # 28791 (MW-961-127, 128, 41-44, 59-60) revised

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. Calcium was recovered high in the MSD. Cis 1,2-DCE was recovered just below the 70% limit in the LCS. This group includes samples which had appparent Cr-VI between 5 (new CRDL) and 10 ppb (the old CRDL). Because these samples were originally considered ND, a turbidity blank was not run at the time. A turbidity blank correction performed on October 9, 1996 demonstrated that the values were probably non-detect at 5 ppb because the turbidity blank exceeded the original measured absorbance. These results are therefore flagged with a J (for estimated) in the database.

Samples requiring dilution (with increased MRL's):

None.

Method blanks with compounds detected:

Acetone was detected as a TIC at levels less than 10 ppb and was also in the blank.

Other Comments:

Carbon tetrachloride and other volatiles were detected in some samples.

Sincerely,

Andrew Eaton, PhD
Laboratory Director

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Madison, Wisconsin 53711
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Quality Environmental Analysis

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QC Batch #53600**Hexavalent chromium**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Hexavalent chromium	0.050	0.0505	101.0	(78.00 - 118.00)	
LCS2	Hexavalent chromium	0.050	0.0494	98.8	(78.00 - 118.00)	2.2
MBLK	Hexavalent chromium	ND				
MS	Hexavalent chromium	0.050	0.0517	103.4	(80.00 - 120.00)	
MSD	Hexavalent chromium	0.050	0.0494	98.8	(80.00 - 120.00)	4.5

QC Batch #53683**Chloride**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chloride	25	27.2	108.8	(90.00 - 110.00)	
LCS2	Chloride	25	27.2	108.8	(90.00 - 110.00)	0.00
MBLK	Chloride	ND				
MS	Chloride	25	28.3	113.2	(80.00 - 120.00)	
MSD	Chloride	25	28.2	112.8	(80.00 - 120.00)	0.35

QC Batch #53688**Nitrate-N by IC**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Nitrate-N by IC	2.5	2.74	109.6	(90.00 - 110.00)	
LCS2	Nitrate-N by IC	2.5	2.71	108.4	(90.00 - 110.00)	1.1
MBLK	Nitrate-N by IC	ND				
MS	Nitrate-N by IC	2.5	2.72	108.8	(80.00 - 120.00)	
MSD	Nitrate-N by IC	2.5	2.73	109.2	(80.00 - 120.00)	0.37

QC Batch #53692**Sulfate**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sulfate	50	54.0	108.0	(90.00 - 110.00)	
LCS2	Sulfate	50	53.6	107.2	(90.00 - 110.00)	0.74
MBLK	Sulfate	ND				
MS	Sulfate	50	55.0	110.0	(70.00 - 130.00)	
MSD	Sulfate	50	55.0	110.0	(70.00 - 130.00)	0.00

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

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QC Batch #53818**Regulated VOCs plus Lists 1&3**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
MBLK	1,1,1,2-Tetrachloroethane	ND				
LCS1	1,1,1-Trichloroethane	4	3.43	85.8	(70.00 - 130.00)	
MBLK	1,1,1-Trichloroethane	ND				
LCS1	1,1,2,2-Tetrachloroethane	4	3.69	92.2	(70.00 - 130.00)	
MBLK	1,1,2,2-Tetrachloroethane	ND				
LCS1	1,1,2-Trichloroethane	4	3.50	87.5	(70.00 - 130.00)	
MBLK	1,1,2-Trichloroethane	ND				
LCS1	1,1-Dichloroethane	4	3.28	82.0	(70.00 - 130.00)	
MBLK	1,1-Dichloroethane	ND				
LCS1	1,1-Dichloroethylene	4	3.26	81.5	(70.00 - 130.00)	
MBLK	1,1-Dichloroethylene	ND				
MBLK	1,1-Dichloropropene	ND				
MBLK	1,2,3-Trichlorobenzene	ND				
MBLK	1,2,3-Trichloropropane	ND				
LCS1	1,2,4-Trichlorobenzene	4	3.63	90.8	(70.00 - 130.00)	
MBLK	1,2,4-Trichlorobenzene	ND				
MBLK	1,2,4-Trimethylbenzene	ND				
LCS1	1,2-Dichloroethane	4	3.31	82.8	(70.00 - 130.00)	
MBLK	1,2-Dichloroethane	ND				
LCS1	1,2-Dichloropropane	4	3.21	80.2	(70.00 - 130.00)	
MBLK	1,2-Dichloropropane	ND				
MBLK	1,3,5-Trimethylbenzene	ND				
LCS1	1,3-Dichloropropane	8	6.07	75.9	(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	3.29	82.2	(70.00 - 130.00)	
MBLK	Benzene	ND				
MBLK	Bromobenzene	ND				
MBLK	Bromochloromethane	ND				
LCS1	Bromodichloromethane	4	3.47	86.8	(70.00 - 130.00)	

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MBLK	Bromodichloromethane	ND			
LCS1	Bromoform	4	3.08	77.0	(70.00 - 130.00)
MBLK	Bromoform	ND			
MBLK	Bromomethane (Methyl Bromide)	ND			
LCS1	Carbon Tetrachloride	4	3.44	86.0	(70.00 - 130.00)
MBLK	Carbon Tetrachloride	ND			
LCS1	Chlorobenzene	4	3.69	92.2	(70.00 - 130.00)
MBLK	Chlorobenzene	ND			
LCS1	Chlorodibromomethane	4	3.33	83.2	(70.00 - 130.00)
MBLK	Chlorodibromomethane	ND			
MBLK	Chloroethane	ND			
LCS1	Chloroform (Trichloromethane)	4	3.32	83.0	(70.00 - 130.00)
MBLK	Chloroform (Trichloromethane)	ND			
MBLK	Chloromethane (Methyl Chloride)	ND			
MBLK	Dibromomethane	ND			
MBLK	Dichlorodifluoromethane	ND			
LCS1	Dichloromethane	4	3.61	90.2	(70.00 - 130.00)
MBLK	Dichloromethane	ND			
LCS1	Ethyl benzene	4	3.77	94.2	(70.00 - 130.00)
MBLK	Ethyl benzene	ND			
LCS1	Fluorotrichloromethane (Freon1)	2	1.74	87.0	(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	3.98	99.5	(70.00 - 130.00)
MBLK	Styrene	ND			
LCS1	Tetrachloroethylene (PCE)	4	3.57	89.2	(70.00 - 130.00)
MBLK	Tetrachloroethylene (PCE)	ND			
LCS1	Toluene	4	3.62	90.5	(70.00 - 130.00)
MBLK	Toluene	ND			
LCS1	Trichloroethylene (TCE)	4	3.19	79.8	(70.00 - 130.00)
MBLK	Trichloroethylene (TCE)	ND			
LCS1	Trichlorotrifluoroethane (Freon)	4	3.70	92.5	(70.00 - 130.00)
MBLK	Trichlorotrifluoroethane (Freon)	ND			
LCS1	Vinyl chloride (VC)	2	1.73	86.5	(70.00 - 130.00)

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MBLK	Vinyl chloride (VC)	ND			
LCS1	cis-1,2-Dichloroethylene	4	3.03	75.8	(70.00 - 130.00)
MBLK	cis-1,2-Dichloroethylene	ND			
MBLK	cis-1,3-Dichloropropene	ND			
LCS1	m,p-Xylenes	8	7.75	96.9	(70.00 - 130.00)
MBLK	m,p-Xylenes	ND			
MBLK	m-Dichlorobenzene (1,3-DCB)	ND			
MBLK	n-Butylbenzene	ND			
MBLK	n-Propylbenzene	ND			
MBLK	o-Chlorotoluene	ND			
LCS1	o-Dichlorobenzene (1,2-DCB)	4	3.66	91.5	(70.00 - 130.00)
MBLK	o-Dichlorobenzene (1,2-DCB)	ND			
LCS1	o-Xylene	4	3.86	96.5	(70.00 - 130.00)
MBLK	o-Xylene	ND			
MBLK	p-Chlorotoluene	ND			
LCS1	p-Dichlorobenzene (1,4-DCB)	4	3.50	87.5	(70.00 - 130.00)
MBLK	p-Dichlorobenzene (1,4-DCB)	ND			
MBLK	p-Isopropyltoluene	ND			
MBLK	sec-Butylbenzene	ND			
MBLK	tert-Butylbenzene	ND			
LCS1	trans-1,2-Dichloroethylene	4	3.01	75.2	(70.00 - 130.00)
MBLK	trans-1,2-Dichloroethylene	ND			
MBLK	trans-1,3-Dichloropropene	ND			

QC Batch #53863**Alkalinity**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Alkalinity	96.2	93.4	97.1	(90.00 - 110.00)	
LCS2	Alkalinity	96.2	94.2	97.9	(90.00 - 110.00)	0.85
MBLK	Alkalinity	ND				
MS	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	
MSD	Alkalinity	96.2	89.5	93.0	(80.00 - 120.00)	0.00

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

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QC Batch #53875**Total Dissolved Solids**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total Dissolved Solids	175	162	92.6	(85.00 - 115.00)	
LCS2	Total Dissolved Solids	175	172	98.3	(85.00 - 115.00)	6.0
MBLK	Total Dissolved Solids	ND				

QC Batch #53888**Total phosphorus-P**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Total phosphorus-P	0.5	0.48	96.0	(80.00 - 120.00)	
LCS2	Total phosphorus-P	0.5	0.49	98.0	(80.00 - 120.00)	2.1
MBLK	Total phosphorus-P	ND				
MS	Total phosphorus-P	0.4	0.389	97.2	(70.00 - 130.00)	
MSD	Total phosphorus-P	0.4	0.405	101.2	(70.00 - 130.00)	4.0

QC Batch #54062**Potassium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Flame AA	20	20.4	102.0	(80.00 - 120.00)	
LCS2	Potassium, Flame AA	20	20.2	101.0	(80.00 - 120.00)	0.99
MBLK	Potassium, Flame AA	ND				
MS	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	
MSD	Potassium, Flame AA	20	21.0	105.0	(80.00 - 120.00)	0.00

QC Batch #54063**Sodium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Flame AA	50	51.5	103.0	(90.00 - 110.00)	
LCS2	Sodium, Flame AA	50	51.3	102.6	(90.00 - 110.00)	0.39
MBLK	Sodium, Flame AA	ND				
MS	Sodium, Flame AA	50	51.6	103.2	(80.00 - 120.00)	
MSD	Sodium, Flame AA	50	51.8	103.6	(80.00 - 120.00)	0.39

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QC Batch #54064**Magnesium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Flame AA	20	20.2	101.0	(90.00 - 110.00)	
LCS2	Magnesium, Flame AA	20	20.6	103.0	(90.00 - 110.00)	2.0
MBLK	Magnesium, Flame AA	ND				
MS	Magnesium, Flame AA	20	21.7	108.5	(80.00 - 120.00)	
MSD	Magnesium, Flame AA	20	21.3	106.5	(80.00 - 120.00)	1.9

QC Batch #54065**Calcium, Flame AA**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Flame AA	50	45.4	90.8	(90.00 - 110.00)	
LCS2	Calcium, Flame AA	50	48.4	96.8	(90.00 - 110.00)	6.4
MBLK	Calcium, Flame AA	ND				
MS	Calcium, Flame AA	50	56.9	113.8	(80.00 - 120.00)	
MSD	Calcium, Flame AA	50	61.5	<u>123.0</u>	(80.00 - 120.00)	7.8

QC Batch #54651**Arsenic, Total, GF**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Arsenic, Total, GF	0.020	0.0196	98.0	(85.00 - 115.00)	
LCS2	Arsenic, Total, GF	0.020	0.0188	94.0	(85.00 - 115.00)	4.2
MBLK	Arsenic, Total, GF	ND				
MS	Arsenic, Total, GF	0.020	0.0201	100.5	(85.00 - 115.00)	
MSD	Arsenic, Total, GF	0.020	0.0184	92.0	(85.00 - 115.00)	8.8

QC Batch #54669**Aluminum, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Aluminum, Total, ICAP/MS	200	226	113.0	(85.00 - 115.00)	
LCS2	Aluminum, Total, ICAP/MS	200	214	107.0	(85.00 - 115.00)	5.5
MBLK	Aluminum, Total, ICAP/MS	ND		0.0		

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

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Foster Wheeler Environmental, Inc
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MS	Aluminum, Total, ICAP/MS	200	205	102.5	(70.00 - 130.00)	
MSD	Aluminum, Total, ICAP/MS	200	198	99.0	(70.00 - 130.00)	3.5

QC Batch #54673**Chromium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Chromium, Total, ICAP/MS	100	93.3	93.3	(85.00 - 115.00)	
LCS2	Chromium, Total, ICAP/MS	100	96.9	96.9	(85.00 - 115.00)	3.8
MBLK	Chromium, Total, ICAP/MS	ND		0.0		
MS	Chromium, Total, ICAP/MS	100	93.7	93.7	(70.00 - 130.00)	
MSD	Chromium, Total, ICAP/MS	100	88.7	88.7	(70.00 - 130.00)	5.5

QC Batch #54677**Iron, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP/MS	500	536	107.2	(85.00 - 115.00)	
LCS2	Iron, Total, ICAP/MS	500	552	110.4	(85.00 - 115.00)	2.9
MBLK	Iron, Total, ICAP/MS	ND		0.0		
MS	Iron, Total, ICAP/MS	500	555	111.0	(70.00 - 130.00)	
MSD	Iron, Total, ICAP/MS	500	531	106.0	(70.00 - 130.00)	4.4

QC Batch #54681**Lead, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Yield (%)	Limits (%)	RPD (%)
LCS1	Lead, Total, ICAP/MS	20	18.6	93.0	(85.00 - 115.00)	
LCS2	Lead, Total, ICAP/MS	20	18.2	91.0	(85.00 - 115.00)	2.2
MBLK	Lead, Total, ICAP/MS	ND		0.0		
MS	Lead, Total, ICAP/MS	20	20.5	102.5	(70.00 - 130.00)	
MSD	Lead, Total, ICAP/MS	20	11.1	<u>56.0</u>	(70.00 - 130.00)	59

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



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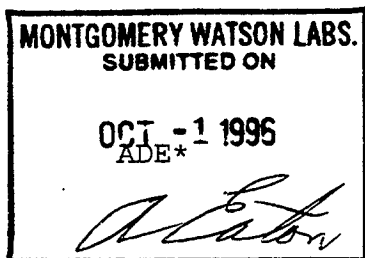
for

Foster Wheeler Environmental, Inc
611 Anton Boulevard

Suite 800

Costa Mesa , CA 92626

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



Report#: 28791
JPL

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Laboratory
Report
#28791

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

Samples Received
27-aug-1996 15:27:37

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-127 (960827070)				Sampled on 08/27/96				
Regulated VOCs plus Lists 1&3								
08/29/96	53818	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/29/96	53818	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/29/96	53818	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/29/96	53818	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1	
08/29/96	53818	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.8 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	100	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% 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	100	% Rec		
MW-961-128 (960827071) Sampled on 08/27/96								
Regulated VOCs plus Lists 1&3								
08/29/96	53818		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/29/96	53818		(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/29/96	53818		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/29/96	53818		(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
08/29/96	53818		(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1

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Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/29/96	53818	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/29/96	53818	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/29/96	53818	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/29/96	53818	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	3.5 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	102	µ Rec		
			(Surrogate)	4-Bromofluorobenzene	97	µ Rec		
			(Surrogate)	Toluene-d8	102	µ Rec		

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Foster Wheeler Environmental, Inc
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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
MW-961-43 (960827072)				Sampled on 08/27/96				
09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	50	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	170	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	4.68	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	39	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	4.51	meq/l	0.0010	1
	08/28/96	53683	(ML/EPA 300)	Chloride	15	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.69	mg/l	0.0010	1
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/27/96	53600	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/30/96		(ML/S2510B)	Specific Conductance	435	umho/cm	4.0	1
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	1000	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3,calculated	207	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	3.1	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	18	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	23	mg/l	1.0	1
	08/28/96	53688	(ML/EPA 300.0)	Nitrate-N by IC	0.6	mg/l	0.10	1
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/30/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	08/28/96	53692	(ML/EPA 300)	Sulfate	39	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	0.10	mg/l	0.050	1
	09/02/96	53875	(ML/S2540C)	Total Dissolved Solids	260	mg/l	10	1
				Regulated VOCs plus Lists 1&3				
	08/30/96	54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
	08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	08/30/96	54145	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	2.4	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	1.0	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane(Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(MLS24.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	None detected	ND			1
			(Surrogate)	1,2-Dichloroethane-d4	89	% Rec		
			(Surrogate)	4-Bromofluorobenzene	96	% Rec		
			(Surrogate)	Toluene-d8	104	% Rec		

MW-961-44 (960827073) Sampled on 08/27/96

09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1

MW-961-41 (960827074) Sampled on 08/27/96

09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	52	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	205	mg/l	2.0	1
	09/25/96		(ML/SM1040)	Anion Sum	5.41	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/06/96	54065	(ML/S3111B)	Calcium, Flame AA	48	mg/l	1.0	1
	09/25/96		(ML/SM1040)	Cation Sum	5.39	meq/l	0.0010	1
	08/28/96	53683	(ML/EPA 300)	Chloride	18	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	2.04	mg/l	0.0010	1
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/27/96	53600	(ML/SW 7196)	Hexavalent chromium	ND	mg/l	0.005	1
	08/30/96		(ML/S2510B)	Specific Conductance	495	umho/cm	4.0	1

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Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	580	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO ₃ , calculated	249	mg/l	0.0010	1
	09/06/96	54062	(ML/S3111B)	Potassium, Flame AA	3.5	mg/l	1.0	1
	09/06/96	54064	(ML/S3111B)	Magnesium, Flame AA	21	mg/l	1.0	1
	09/06/96	54063	(ML/S3111B)	Sodium, Flame AA	27	mg/l	1.0	1
	08/28/96	53688	(ML/EPA 300.0)	Nitrate-N by IC	0.2	mg/l	0.10	1
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/30/96		(ML/S4500H-B)	Lab pH	8.1	Units	0.0010	1
	08/28/96	53692	(ML/EPA 300)	Sulfate	38	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	0.50	mg/l	0.050	1
	09/02/96	53875	(ML/S2540C)	Total Dissolved Solids	300	mg/l	10	1

Regulated VOCs plus Lists 1&3

08/30/96	54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1
08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
08/30/96	54145	(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
	08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/30/96	54145	(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
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(EPA 524.2)	Acetone	2.6 (B)	ug/L		1
			(Surrogate)	1,2-Dichloroethane-d4	96	% Rec		
			(Surrogate)	4-Bromofluorobenzene	97	% Rec		
			(Surrogate)	Toluene-d8	101	% Rec		
MW-961-42 (960827075) Sampled on 08/27/96								
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
MW-961-59 (960827076) Sampled on 08/27/96								
09/18/96	09/24/96	54669	(EPA/ML 200.8)	Aluminum, Total, ICAP/MS	60	ug/l	50	1
	08/28/96	53863	(ML/S2320B)	Alkalinity	175	mg/l	2.0	1
	09/27/96		(ML/SM1040)	Anion Sum	4.33	meq/l	0.0010	1
09/18/96	09/21/96	54651	(S3113B/E200.9)	Arsenic, Total, GF	ND	mg/l	0.005	1
	09/25/96	54774	(ML/S3111B)	Calcium, Flame AA	40	mg/l	1.0	1
	09/26/96		(ML/SM1040)	Cation Sum	4.62	meq/l	0.0010	1
	08/28/96	53683	(ML/EPA 300)	Chloride	13	mg/l	1.0	1
	09/05/96		(ML/S2320-B)	Carbonate as CO3, Calculated	1.38	mg/l	0.0010	1
09/18/96	09/24/96	54673	(EPA/MS 200.8)	Chromium, Total, ICAP/MS	ND	ug/l	10	1
	08/27/96	53600	(ML/SW 7196)	Hexavalent chromium	0.006	mg/l	0.005	1
	08/30/96		(ML/S2510B)	Specific Conductance	410	umho/cm	4.0	1
09/18/96	09/24/96	54677	(EPA/ML 200.8)	Iron, Total, ICAP/MS	250	ug/l	100	1
	09/05/96		(ML/S2320B)	Bicarbonate as HCO3, calculated	213	mg/l	0.0010	1
	09/25/96	54769	(ML/S3111B)	Potassium, Flame AA	2.2	mg/l	1.0	1
	09/25/96	54771	(ML/S3111B)	Magnesium, Flame AA	10	mg/l	1.0	1
	09/25/96	54770	(ML/S3111B)	Sodium, Flame AA	40	mg/l	1.0	1
	08/28/96	53688	(ML/EPA 300.0)	Nitrate-N by IC	1.0	mg/l	0.10	1
09/18/96	09/24/96	54681	(EPA/ML 200.8)	Lead, Total, ICAP/MS	ND	ug/l	2.0	1
	08/30/96		(ML/S4500H-B)	Lab pH	8.0	Units	0.0010	1
	08/28/96	53692	(ML/EPA 300)	Sulfate	19	mg/l	2.0	1
	09/04/96	53888	(ML/EPA 365.2)	Total phosphorus-P	ND	mg/l	0.050	1
	09/02/96	53875	(ML/S2540C)	Total Dissolved Solids	240	mg/l	10	1

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**Laboratory
 Report
 #28791**

Foster Wheeler Environmental, Inc
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
Regulated VOCs plus Lists 1&3								
08/30/96	54145	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1	
08/30/96	54145	(ML/EPA 624)	2-Chloroethylvinylether	ND	ug/l	1.0	1	
08/30/96	54145	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1	
08/30/96	54145	(EPA/SM 524.2)	Benzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Carbon Tetrachloride	3.4	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Chloroform (Trichloromethane)	0.7	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1	
08/30/96	54145	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1	


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(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MDL	Dilution
	08/30/96	54145	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Fluorotrichloromethane (Freon1)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	08/30/96	54145	(ML524.2/SW8260)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	5.0	1
	08/30/96	54145	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	08/30/96	54145	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	08/30/96	54145	(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	97	‡ Rec		
			(Surrogate)	Toluene-d8	102	‡ Rec		