DATA REVIEW FOR

MCKESSON - BEAR STREET SITE

SDG# BEL0206

VOLATILE AND
SEMIVOLATILE ANALYSES

Analyses performed by:

Buck Environmental Laboratories, Inc.
Cortland, New York

Review performed by:

BBL
BLASLAND, BOUCK & LEE, INC.
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Syracuse, New York

Summary

The following is an assessment of the data package for SDG # BEL0206 for sampling at the McKesson - Bear Street Site. Included with this assessment are the data review check sheets used in the review of the package and corrected sample results. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis Method		
				8260[1]	8015[2]	8270[3]
MW-1	0204206-01A	water	4/15/02	x	x	x
MW-3S	0204206-02A	water	4/15/02	x	x	x
TRIP BLANK-1	0204206-03A	water	4/15/02	x	x	
MW-9S	0204231-01A	water	4/16/02	x	x	x
MW-31	0204231-02A	water	4/16/02	x	x	x
MW-32	0204231-03A	water	4/16/02	x	x	x
MW-33	0204231-05A	water	4/16/02	x	x	x
MW-34[4]	0204231-07A	water	4/16/02	x	x	x
DUP-1	0204231-08A	water	4/16/02	x	x	x
TRIP BLANK-2	0204231-11A	water	4/16/02	x	x	
TW-01	0204231-04A	water	4/16/02	x	x	x
TW-02R	0204231-06A	water	4/16/02	x	x	x
MW-35	0204260-01A	water	4/17/02	x	x	x
MW-36	0204260-02A	water	4/17/02	x	x	x
MW-27	0204260-03A	water	4/17/02	x	x	x
MW-28	0204260-04A	water	4/17/02	x	x	x
MW-29	0204260-05A	water	4/17/02	x	x	x
MW-8S	0204260-06A	water	4/17/02	x	x	x
MW-30	0204260-07A	water	4/17/02	x	x	x
TRIP BLANK-3	0204260-08a	water	4/17/02	x	x	

1 compounds include: methylene chloride, acetone, trichloroethene, benzene, toluene, ethylbenzene, and xylenes
2 compounds include: methanol
3 compounds include: aniline and N,N'-dimethylaniline
4 MS/MSD analyses performed on sample

VOLATILE ANALYSES

METHOD 8260

Introduction

Analyses were performed according to USEPA method 8260 as referenced in the NYSDEC ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

E The compound was quantitated above the calibration range.

D Concentration is based on a diluted sample analysis.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC test, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding time for volatile analyses under the Quality Assurance Project Plan (QAPP) is 7 days from sample receipt.

All samples were analyzed within the specified holding time.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, field, or rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure contamination of samples during shipment. Field and rinse blanks measure contamination of samples during field operations.

Methylene chloride and acetone were detected in the method and trip blanks. Data for methylene chloride have been qualified as undetected in samples MW-27, MW-29, MW-30, MW-35, and MW-36 and data for acetone have been qualified as undetected in samples DUP-1, MW-1, MW-3S, MW-9S, MW-27, MW-28, MW-29, MW-30, MW-31, MW-32, MW-33, MW-34, MW-35, MW-36, and TW-01 based on the blank content.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies various percent relative standard deviation (%RSD) limits for select compounds and allows two outliers. A technical review of the data applies a RSD limit of 30% to all compounds with no exceptions.

The %RSD were less than 30% and the response factors were greater than 0.05 for all compounds.

4.2 Continuing Calibration

All continuing calibration standards were within 25% difference (%D) of the initial calibration.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

All internal standard areas and retention times were within established limits.

7. Compound Identification

Target compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

8. Matrix Spike/Matrix Spike Duplicate/Matrix Spike Blank

Matrix and matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method relative to the sample matrix. Matrix spike blank (MSB) data is used to assess the precision and accuracy of the analytical method independent of matrix interferences.

The matrix spike recoveries were below control limits for acetone and above control limits for trichloroethene. The relative percent differences between recoveries were above control limits for benzene, toluene, and trichloroethene.

All matrix spike blank recoveries were within control limits.

9. Field Duplicates

Results for duplicate samples are summarized as follows:

Sample ID / Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-34 / DUP-1	toluene	0.7J	ND	NA

The duplicate results are acceptable.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checklist

Volatile Organics Data Validation Checklist

	YES	NO	NA
Data Completeness and Deliverables			
Have any missing deliverables been received and added to the data package?		X	
Is there a narrative or cover letter present?	X		
Are the sample numbers included in the narrative?	X		
Are the sample chain-of-custodies present?	X		
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?		X	
Holding Times			
Have any holding times been exceeded?		X	
Surrogate Recovery			
Are surrogate recovery forms present?	X		
Are all the samples listed on the appropriate surrogate recovery form?	X		
Was one or more surrogate recoveries outside of specified limits for any sample or blank?		X	
If yes, were the samples reanalyzed?			X
Matrix Spikes			
Is there a matrix spike recovery form present?	X		
Were matrix spikes analyzed at the required frequency?	X		
How many spike recoveries were outside of QC limits? 3 out of 16			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits? 3 out of 8			
Blanks			
Is the method blank summary form present?	X		
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	X		
Has a blank been analyzed at least once every twelve hours for each system used?	X		
Do any method/reagent/instrument blanks have positive results?	X		
Are there trip/field/rinse/equipment blanks associated with every sample?	X		
Do any trip/field/rinse blanks have positive results?	X		

Volatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
Tuning and Mass Calibration			
Are the GC/MS tuning forms present for BFB?	X		
Are the bar graph spectrum and mass/charge listing provided for each BFB?	X		
Has a BFB been analyzed for each twelve hours of analysis per instrument?	X		
Have the ion abundance criteria been met for each instrument used?	X		
Target Analytes			
Is an organics analysis data sheet present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	X		
Are the reconstructed ion chromatograms present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	X		
Is the chromatographic performance acceptable?	X		
Are the mass spectra of the identified compounds present?	X		
Is the RRT of each reported compound within 0.06 RRT units of the continuing calibration standard?	X		
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	X		
Do the samples and standard relative ion intensities agree within 20%?	X		
Tentatively Identified Compounds			
Are all the TIC summary forms present?	X		
Are the mass spectra for the tentatively identified compounds and there associated "best match" spectra present?	X		
Are any target compounds listed as TICs?		X	
Are all ion present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	X		

Volatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
Do the TIC and "best match" spectrum agree within 20%?	X		
Quantitation and Detection Limits			
Are there any transcription/calculation errors in the Form 1 results?		X	
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	X		
Standard Data			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	X		
Initial Calibration			
Are the initial calibration forms present for each instrument used?	X		
Are the response factor RSDs within specified limits?	X		
Are the average RRF equal to or greater than minimum requirements?	X		
Are there any transcription/calculation errors in reporting the RRF or RSD?		X	
Continuing Calibration			
Are the continuing calibration forms present for each day and each instrument?	X		
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	X		
All %D within acceptable limits?	X		
Are all RF equal to or greater than minimum requirements?	X		
Are there any transcription/calculation errors in reporting of RF or %D?		X	
Internal Standards			
Are internal standard areas of every sample and blank within the upper and lower limits for each continuing calibration?	X		
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
Field Duplicates			
Were field duplicates submitted with the samples?	X		

Volatile Qualifier Summary
Holding Time, Surrogates, Internal Standards

Sample ID	Holding Time*	Surrogates*			Internal Standards*		
		TOL	BFB	DBF	PFB	DFB	CBZ
MW-1							
MW-3S							
TRIP BLANK-1							
MW-9S							
MW-31							
MW-32							
MW-33							
MW-34							
MW-34 MS							
MW-34 MSD							
DUP-1							
TRIP BLANK-2							
TW-01							
TW-02R							
MW-35							
MW-36							
MW-27							
MW-28							
MW-28 DL							
MW-29							
MW-8S							
MW-8S DL							
MW-30							
TRIP BLANK							

Surrogates:
TOL Toluene-d8
BFB Bromofluorobenzene
DFB Dibromofluoromethane

Internal Standards:
PFB Pentafluorobenzene
DFB 1,4-Difluorobenzene
CBZ Chlorobenzene-d5

Qualifiers:
↑ Recovery high
↓ Recovery low

* Unless otherwise specified, all parameters are within acceptable limits.

Volatile Calibration Outliers

Instrument: MSD3
Matrix: water
Level: low

Date/Time	4/19/02		4/22/02 1113		4/23/02 1014		4/24/02 1414		4/25/02 1439	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
Methylene chloride										
Acetone										
Trichloroethene										
Benzene										
Toluene										
Ethylbenzene										
Xylene (total)										

Affected Samples:

Corrected Sample Analysis Data Sheets

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-08A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1501015.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	23	U
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5	U
108-88-3	Toluene	0.7	J
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

DUP-1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-08A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1501015.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 4 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 72-26-6	Propane, 2-chloro-	1.85	5	
2. 1066-40-6	Silanol, trimethyl-	3.97	5	
3. 110-83-8	Cyclohexene	5.23	16	
4.	~~Extra Surrogate~~	~~14.59~~	~~42~~	

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0601006.D

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	12	U
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5	U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0601006.D

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~14.60~~	~~44~~	K

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-3S

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0701007.D

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	12	U
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5	U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-3S

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0701007.D

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~14.59~~	~~45~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8S

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0701007.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 20.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg)	UG/L	Q
67-64-1	Acetone		2100	
71-43-2	Benzene		50	J
100-41-4	Ethylbenzene		100	J
75-09-2	Methylene chloride	60000 ~~61000~~		E D
108-88-3	Toluene		410	
79-01-6	Trichloroethene		9600	E J
1330-20-7	m,p-Xylene		290	
95-47-6	o-Xylene		110	

1F

EPA SAMPLE NO.

MW-8S

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0701007.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 20.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 7 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 75-01-04	Ethene, chloro-	1.16	49	
2. 156-60-5	Ethene, 1,2-dichloro-, (E)	2.59	31	
3. 156-59-2	Ethene, 1,2-dichloro-, (Z)	3.76	1500	
4. 108-10-1	2-Pentanone, 4-methyl-	8.09	19	
5. 127-18-4	Ethene, tetrachloro-	9.13	38	
6.	~~Extra Surrogate~~	~~14.58~~	~~43~~	12
7.	Dichlorobenzene Isomer	15.24	24	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8SDL

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0401004.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/25/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 4,000.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	50000	U
71-43-2	Benzene	20000	U
100-41-4	Ethylbenzene	20000	U
75-09-2	Methylene chloride	660000	
108-88-3	Toluene	20000	U
79-01-6	Trichloroethene	20000	U
1330-20-7	m,p-Xylene	40000	U
95-47-6	o-Xylene	20000	U

1F

EPA SAMPLE NO.

MW-8SDL

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0401004.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/25/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 4,000.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 2 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Ethene, 1,2-dichloro-, (E)	3.78	36000	
2.	~~Extra Surrogate~~	~~14.59~~	~~190000~~	YC

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9S

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0801008.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg)	UG/L	Q
67-64-1	Acetone		23	U
71-43-2	Benzene	10	~~9.6~~	
100-41-4	Ethylbenzene	6	~~6.3~~	
75-09-2	Methylene chloride		5	U
108-88-3	Toluene		2	J
79-01-6	Trichloroethene		5	U
1330-20-7	m,p-Xylene		12	
95-47-6	o-Xylene		5	J

1F

EPA SAMPLE NO.

MW-9S

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0801008.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 19 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 78-78-4	Butane, 2-methyl-	1.47	57	
2. 109-66-0	Pentane	1.64	27	
3. 107-83-5	Pentane, 2-methyl-	2.37	73	
4. 96-14-0	Pentane, 3-methyl-	2.60	38	
5. 110-54-3	Hexane	2.89	12	
6. 96-37-7	Cyclopentane, methyl-	3.60	100	
7. 110-82-7	Cyclohexane	4.58	120	
8.	Unknown	4.91	34	
9. 2532-58-3	Cyclopentane, 1,3-dimethyl (5.2	5.21	41	
10. 1759-58-6	Cyclopentane, 1,3-dimethyl (5.3	5.30	28	
11.	CYCLOBUTANE, ISOPROPYL-	5.39	49	
12. 108-87-2	Cyclohexane, methyl-	6.44	110	
13. 1640-89-7	Cyclopentane, ethyl-	6.77	13	
14. 2207-03-6	Cyclohexane, 1,3-dimethyl- (8.0	8.08	22	
15. 638-04-0	Cyclohexane, 1,3-dimethyl- (8.6	8.66	16	
16.	~~Trimethylbenzene Isomer (13.75)~~	~~13.75~~	~~16~~	~~B~~
17.	~~Trimethylbenzene Isomer (14.07)~~	~~14.07~~	~~18~~	~~B~~
18.	~~Extra Surrogate~~	~~14.59~~	~~45~~	~~B~~
19. 767-58-8	~~1H-Indene, 2,3-dihydro-1-m~~	~~16.12~~	~~13~~	~~B~~

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-27

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2101021.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	18	U
71-43-2	Benzene	7 ~~6.6~~	
100-41-4	Ethylbenzene	12	
75-09-2	Methylene chloride	5 ~~2~~	B U
108-88-3	Toluene	11	
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	15	
95-47-6	o-Xylene	11	

1F

EPA SAMPLE NO.

MW-27

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2101021.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 115-10-6	Methane, oxybis-	1.07	64	
2. 420-56-4	Silane, fluorotrimethyl-	1.26	9	
3. 1066-40-6	Silanol, trimethyl-	3.96	11	
4.	~~Extra Surrogate~~	~~14.58~~	~~51~~	R
5.	~~Trimethylbenzene Isomer~~	~~14.76~~	~~6~~	R
6. 496-11-7	~~1H-Indene, 2,3-dihydro~~	~~15.06~~	~~6~~	R
7.	~~Dichlorobenzene Isomer~~	~~15.24~~	~~9~~	R

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-28

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2201022.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	49	U
71-43-2	Benzene	8. ~~7.7~~	
100-41-4	Ethylbenzene	9. ~~9.4~~	
75-09-2	Methylene chloride	460 ~~1700~~	E D
108-88-3	Toluene	6. ~~6.3~~	
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	5	J
95-47-6	o-Xylene	5	J

1F

EPA SAMPLE NO.

MW-28

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2201022.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 115-10-6	Methane, oxybis-	1.06	43	
2. 156-59-2	Ethene, 1,2-dichloro-, (Z)	3.77	35	
3.	~~Trimethylbenzene Isomer~~	~~14.05~~	~~24~~	R
4.	~~Extra Surrogate~~	~~14.58~~	~~47~~	R
5. 496-11-7	~~1H-Indene, 2,3-dihydro-~~	~~15.05~~	~~57~~	R
6. 90-12-0	~~Naphthalene, 1-methyl-~~	~~20.85~~	~~31~~	R

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-28DL

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0801008.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/24/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 200.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	800	U
71-43-2	Benzene	1000	U
100-41-4	Ethylbenzene	1000	U
75-09-2	Methylene chloride	4600	
108-88-3	Toluene	1000	U
79-01-6	Trichloroethene	1000	U
1330-20-7	m,p-Xylene	2000	U
95-47-6	o-Xylene	1000	U

1F

EPA SAMPLE NO.

MW-28DL

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0801008.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/24/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 200.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~14.57~~	~~48~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-29

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0501005.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	16 ~~9~~	~~U~~
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	6 ~~5~~	U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-29

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0501005.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown	3.37	12	
2.		~~Extra Surrogate~~	~~14.58~~	~~46~~	R

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-30

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-07A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0901009.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	10	8 U
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5	8 U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-30

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-07A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0901009.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 5 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 115-10-6	Methane, oxybis-	1.07	6	
2. 75-29-6	Propane, 2-chloro-	1.84	7	
3.	Unknown	3.60	10	
4.	~~Extra Surrogate~~	~~14.58~~	~~44~~	
5. 108-70-3	Benzene, 1,3,5-trichloro-	18.94	6	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-31

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0901009.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg)	UG/L	Q
67-64-1	Acetone		14	U
71-43-2	Benzene		9. ~~9.4~~	
100-41-4	Ethylbenzene		5	U
75-09-2	Methylene chloride		5	U
108-88-3	Toluene		5	U
79-01-6	Trichloroethene		5	U
1330-20-7	m,p-Xylene		10	U
95-47-6	o-Xylene		5	U

1F

EPA SAMPLE NO.

MW-31

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0901009.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 19 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 106-97-8	Butane	1.16	11	
2. 78-78-4	Butane, 2-methyl-	1.47	61	
3. 79-29-8	Butane, 2,3-dimethyl-	2.33	8	
4. 107-83-5	Pentane, 2-methyl-	2.37	34	
5. 96-14-0	Pentane, 3-methyl-	2.59	34	
6. 96-37-7	Cyclopentane, methyl-	3.60	11	
7. 1066-40-6	Silanol, trimethyl-	3.97	8	
8. 1638-26-2	Cyclopentane, 1,1-dimethyl	4.91	22	
9. 2532-58-3	Cyclopentane, 1,3-dimethyl (5.2	5.20	19	
10. 1759-58-6	Cyclopentane, 1,3-dimethyl (5.3	5.30	13	
11.	CYCLOBUTANE, ISOPROPYL-	5.39	27	
12. 4516-69-2	Cyclopentane, 1,1,3-trimet	6.42	21	
13.	1,2,4-TRIMETHYL-CYCLOPENTA	6.93	9	
14. 2613-69-6	Cyclopentane, 1,2,3-trimet	8.09	6	
15. 624-29-3	Cyclohexane, 1,4-dimethyl- (8.6	8.66	13	
16. 2207-04-7	Cyclohexane, 1,4-dimethyl- (8.8	8.87	7	
17.	~~Trimethylbenzene Isomer~~	~~12.38~~	~~7~~	
18.	~~Extra Surrogate~~	~~14.59~~	~~41~~	
19. 95-93-2	~~Benzene, 1,2,4,5-tetrameth~~	~~16.70~~	~~7~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-32

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1001010.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	15	U
71-43-2	Benzene	4	J
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5	U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-32

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1001010.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 96-37-7	Cyclopentane, methyl-	3.61	6	
2.	~~Extra Surrogate~~	~~14.59~~	~~45~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-33

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1201012.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg)	UG/L	Q
67-64-1	Acetone		18	U
71-43-2	Benzene		3	J
100-41-4	Ethylbenzene		5	U
75-09-2	Methylene chloride		19	
108-88-3	Toluene		5	U
79-01-6	Trichloroethene		5	U
1330-20-7	m,p-Xylene		10	U
95-47-6	o-Xylene		5	U

1F

EPA SAMPLE NO.

MW-33

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-05A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1201012.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	115-10-6	Methane, oxybis-	1.07	20	
2.	156-60-5	Ethene, 1,2-dichloro-, (E)	2.60	16	
3.		~~Extra Surrogate~~	~~14.59~~	~~45~~	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-34

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-07A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1401014.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	32	U
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methyiene chloride	5	U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-34

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-07A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1401014.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	72-26-6	Propane, 2-chloro-	1.84	5	
2.	110-83-8	Cyclohexene	5.24	16	
3.		~~Extra Surrogate~~	~~14.58~~	~~41~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-35

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1901019.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	13	U
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5 2	3 U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-35

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-01A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1901019.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 72-26-6	Propane, 2-chloro-	1.85	6	
2.	~~Extra Surrogate~~	~~14.58~~	~~44~~	
3. 120-82-1	Benzene, 1,2,4-trichloro-	18.94	6	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-36

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2001020.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	20	U
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5 2	J U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

MW-36

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-02A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2001020.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 115-10-6	Methane, oxybis-	1.07	6	
2. 156-60-5	Ethene, 1,2-dichloro-, (E)	2.59	7	
3. 1066-40-6	Silanol, trimethyl-	3.96	6	
4.	~~Extra Surrogate~~	~~14.58~~	~~46~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TW-01

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1101011.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W, DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	14	U
71-43-2	Benzene	3	J
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5	U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

TW-01

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-04A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1101011.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	106-97-8	Butane	1.16	6	
2.	78-78-4	Butane, 2-methyl-	1.48	17	
3.	96-14-0	Pentane, 3-methyl-	2.61	7	
4.	1638-26-2	Cyclopentane, 1,1-dimethyl	4.92	5	
5.	2532-58-3	Cyclopentane, 1,3-dimethyl	5.21	5	
6.	822-50-4	Cyclopentane, 1,2-dimethyl	5.39	5	
7.		~~Extra Surrogate~~	~~14.59~~	~~44~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TW-02R

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-06A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1301013.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	240	
71-43-2	Benzene	19	
100-41-4	Ethylbenzene	23	
75-09-2	Methylene chloride	14	
108-88-3	Toluene	65	
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	61	
95-47-6	o-Xylene	35	

1F

EPA SAMPLE NO.

TW-02R

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-06A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1301013.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 420-56-4	Silane, fluorotrimethyl-	1.26	35	
2. 1066-40-6	Silanol, trimethyl-	3.97	28	
3. 108-10-1	2-Pentanone, 4-methyl-	8.10	130	
4. 108-90-7	Benzene, chloro-	10.59	50	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK - 1

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0401004.D

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg)	UG/L	Q
67-64-1	Acetone		10	J
71-43-2	Benzene		5	U
100-41-4	Ethylbenzene		5	U
75-09-2	Methylene chloride		5	U
108-88-3	Toluene		5	U
79-01-6	Trichloroethene		5	U
1330-20-7	m,p-Xylene		10	U
95-47-6	o-Xylene		5	U

1F

EPA SAMPLE NO.

TRIP BLANK - 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-03A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0401004.D

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~14.60~~	~~45~~	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK - 2

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-11A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0501005.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	16	
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	5	U
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

TRIP BLANK - 2

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-11A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0501005.D

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/22/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~14.60~~	~~44~~	C

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK-3

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-08a

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0401004.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-64-1	Acetone	10	J
71-43-2	Benzene	5	U
100-41-4	Ethylbenzene	5	U
75-09-2	Methylene chloride	7.3	
108-88-3	Toluene	5	U
79-01-6	Trichloroethene	5	U
1330-20-7	m,p-Xylene	10	U
95-47-6	o-Xylene	5	U

1F

EPA SAMPLE NO.

TRIP BLANK -3

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-08a

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0401004.D

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/23/02

GC Column: J&W,DB624 ID: .18 (mm) Dilution Factor: 1.00

Soil Extract Volume: (µl) Soil Aliquot Volume: 0 (µL)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~14.57~~	~~60~~	

VOLATILE ANALYSES

METHOD 8015

Introduction

Analyses were performed according to USEPA method 8015 as referenced in the NYSDEC ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

E The compound was quantitated above the calibration range.

D Concentration is based on a diluted sample analysis.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC test, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding time for volatile analyses under the Quality Assurance Project Plan (QAPP) is 7 days from sample receipt. The technical holding time is 14 days from sample collection to analysis.

All samples were analyzed within the specified holding time.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, field, or rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure contamination of samples during shipment.

Methanol was detected in one of the trip blanks. Since no methanol was detected in the associated samples, the blank content has no impact on the reported data.

3. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

3.1 Initial Calibration

The method specifies a percent relative standard deviation (%RSD) limit of 20% or, alternately, a correlation coefficient of 0.99 or greater.

The initial calibration was acceptable.

3.2 Continuing Calibration

All continuing calibration standards were within 15%D of the initial calibration.

4. Compound Identification

Target compounds are identified by using the analyte's retention time.

All identified compounds fell within the established retention time windows.

5. Matrix Spike/Matrix Spike Duplicate/Matrix Spike Blank

Matrix and matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method relative to the sample matrix. Matrix spike blank (MSB) data is used to assess the precision and accuracy of the analytical method independent of matrix interferences.

The matrix spike and matrix spike duplicate recoveries and the relative percent difference between recoveries were within control limits. The matrix spike blank recovery was also within control limits.

6. Field Duplicates

Results for duplicate samples are summarized below:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-34 / DUP-1	methanol	ND	ND	NA

ND Not detected.
NA Analyte not detected in sample and/or duplicate. RPD not applicable.

The duplicate results are acceptable.

7. System Performance and Overall Assessment

Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checklist

Organic Data Validation Checklist

	YES	NO	NA
Data Completeness and Deliverables			
Have any missing deliverables been received and added to the data package?		X	
Is there a narrative or cover letter present?	X		
Are the sample numbers included in the narrative?	X		
Are the sample chain-of-custodies present?	X		
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?		X	
Holding Times			
Have any holding times been exceeded?		X	
Matrix Spikes			
Is there a matrix spike recovery form present?	X		
Were matrix spikes analyzed at the required frequency?	X		
How many spike recoveries were outside of QC limits?			
0 out of 2			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
0 out of 1			
Blanks			
Is the method blank summary form present?	X		
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	X		
Has a blank been analyzed at least once every twelve hours for each system used?	X		
Do any method/reagent/instrument blanks have positive results?		X	
Are there trip/field/rinse/equipment blanks associated with every sample?	X		
Do any trip/field/rinse blanks have positive results?	X		
Target Analytes			
Is an organics analysis data sheet present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	X		

Organic Data Validation Checklist - Page 2

	YES	NO	NA
Are the chromatograms present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	X		
Is the chromatographic performance acceptable?	X		
Quantitation and Detection Limits			
Are there any transcription/calculation errors in the Form 1 results?		X	
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	X		
Standard Data			
Are the quantitation reports and chromatograms present for the initial and continuing calibration standards?	X		
Initial Calibration			
Are the initial calibration forms present for each instrument used?	X		
Are the response factor RSDs or correlation coefficients within acceptable limits?	X		
Are there any transcription/calculation errors in reporting the RRF or RSD?		X	
Continuing Calibration			
Are the continuing calibration forms present for each day and each instrument?	X		
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	X		
All %D within acceptable limits?	X		
Are there any transcription/calculation errors in reporting of RF or %D?		X	
Field Duplicates			
Were field duplicates submitted with the samples?	X		

Calibration Outliers

Instrument: MSD2
Matrix: water

Date	4/26/02	4/26/02				
Time		1805				
	Initial Cal.	Cont. Cal.	Cont. Cal.	Cont. Cal.	Cont. Cal.	Cont. Cal.
	RSD	%D	%D	%D	%D	%D
methanol	ok	ok				

Affected Samples:

Corrected Sample Analysis Data Sheets

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-08C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2001020.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS: MG/Q

CAS NO.	COMPOUND	(µg/L or µg/Kg)	~~UG/L~~	Q
67-56-1	Methanol		1	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-1

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-01C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1101011.d

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ mg/L	Q
67-56-1	Methanol	0.99	J

EPA SAMPLE NO.

MW-3S

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-02C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 0901009.d

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ mg/L	Q
67-56-1	Methanol	0.37	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8S

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 3401034.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ mg/l	Q
67-56-1	Methanol	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-9S

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-01C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1201012.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ mg/L	Q
67-56-1	Methanol	0.37	J

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-27

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-03C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 3201032.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ mg/L	Q
67-56-1	Methanol	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-28

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 3101031.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ng/l	Q
67-56-1	Methanol	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-29

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-05C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 3301033.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ug/L	Q
67-56-1	Methanol	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-30

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-07C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 3501035.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ mg/l	Q
67-56-1	Methanol	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-31

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-02C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1301013.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ug/l	Q
67-56-1	Methanol	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-32

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-03C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1701017.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ng/l	Q
67-56-1	Methanol	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-33

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-05C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1601016.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ NG/L	Q
67-56-1	Methanol	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-34

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-07C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1901019.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ng/l	Q
67-56-1	Methanol	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-35

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-01C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2801028.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ NG/L	Q
67-56-1	Methanol	1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-36

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-02C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2901029.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ug/l	Q
67-56-1	Methanol	1	U

EPA SAMPLE NO.

TW-01

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-04C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1501015.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ng/l	Q
67-56-1	Methanol	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TW-02R

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-06C

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1801018.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ng/l	Q
67-56-1	Methanol	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK - 1

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-03B

Sample wt/vol: 5 (g/mL) ML Lab File ID: 1001010.d

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
67-56-1	Methanol	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK - 2

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-11B

Sample wt/vol: 5 (g/mL) ML Lab File ID: 2701027.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ ng/L	Q
67-56-1	Methanol	1	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK 3

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-08B

Sample wt/vol: 5 (g/mL) ML Lab File ID: 3601036.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: not dec. Date Analyzed: 04/26/02

GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) ~~UG/L~~ NG/L	Q
67-56-1	Methanol	0.41	J

SEMIVOLATILE ANALYSES

METHOD 8270

Introduction

Analyses were performed according to USEPA SW-846 Method 8270 as referenced in NYSDEC ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

E The compound was quantitated above the calibration range.

D Concentration is based on a diluted sample analysis.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC test, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding times for semi-volatile analyses under the Quality Assurance Project Plan (QAPP) are 5 days from sample receipt to extraction and 40 days to analysis. The technical holding times are 7 days from sample collection to extraction and 40 days to analysis.

All samples were extracted and analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, field, or rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

No target compounds were detected in the method blanks.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies various percent relative standard deviation (%RSD) limits for select compounds and allows two outliers. A technical review of the data applies a RSD limit of 30% to all compounds with no exceptions.

The %RSD was less than 30% for all compounds.

4.2 Continuing Calibration

All continuing calibration standards were within 25% difference (%D) of the initial calibration.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

Recovery for one surrogate was below control limits in sample MW-27. All data for the sample have been qualified as estimated with a potential low bias based on the recovery. Surrogates were diluted beyond the range of quantitation in samples MW-31DL, MW-32DL, MW-33DL, TW-02R, MW-34DL, DUP-1DL, MW-8S, TW-02RDL, MW-27DL, MW-28DL, and MW-8SDL. No data have been qualified based on diluted surrogates. All other surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

All internal standard areas and retention times were within established limits.

7. Compound Identification

Target compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

8. Matrix Spike/Matrix Spike Duplicate/Matrix Spike Blank

Matrix and matrix spike duplicate (MS/MSD) data are used to assess the precision and accuracy of the analytical method relative to the sample matrix. Matrix spike blank (MSB) data is used to assess the precision and accuracy of the analytical method independent of matrix interferences.

Matrix spike recoveries for aniline could not be accurately calculated due to interference from aniline present in the unspiked sample. All recoveries for n,n-dimethylaniline were, however, within control limits. All matrix spike blank recoveries were also within control limits.

9. Field Duplicates

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-34 / DUP-1	aniline	642	1180	59.1%
	N,N-dimethylaniline	15.4	23.1	40.0%

The duplicate results are acceptable.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checklist

Semivolatile Organics Data Validation Checklist

	YES	NO	NA
Data Completeness and Deliverables			
Have any missing deliverables been received and added to the data package?		X	
Is there a narrative or cover letter present?	X		
Are the sample numbers included in the narrative?		X	
Are the sample chain-of-custodies present?	X		
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	X		
Holding Times			
Have any holding times been exceeded?		X	
Surrogate Recovery			
Are the surrogate recovery forms present?	X		
Are all the samples listed on the appropriate surrogate recovery form?	X		
Were two or more surrogate recoveries outside of specified limits for any sample or blank?		X	
If yes, were the samples reanalyzed?			X
Matrix Spikes			
Is there a matrix spike recovery form present?	X		
Were matrix spikes analyzed at the required frequency	X		
How many spike recoveries were outside of QC limits?			
0 out of 2			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
0 out of 1			
Blanks			
Is the method blank summary form present?	X		
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	X		
Has a blank been analyzed for each GC/MS system used?	X		
Do any method/reagent/instrument blanks have positive results?		X	
Are there field/rinse/equipment blanks associated with every sample?		X	

Semivolatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
Do any field/rinse blanks have positive results?			X
Tuning and Mass Calibration			
Are the GC/MS tuning forms present for DFTPP?	X		
Are the bar graph spectrum and mass/charge listing provided for each DFTPP?	X		
Has a DFTPP been analyzed for each twelve hours of analysis per instrument?	X		
Have the ion abundance criteria been met for each instrument used?	X		
Target Analytes			
Is an organics analysis data sheet present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	X		
Has GPC cleanup been performed on all soil/sediment sample extracts?			X
Are the reconstructed ion chromatograms present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	X		
Is the chromatographic performance acceptable?	X		
Are the mass spectra of the identified compounds present?	X		
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	X		
Do the samples and standard relative ion intensities agree within 20%?	X		
Tentatively Identified Compounds			
Are all the TIC summary forms present?	X		
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?		X	
Are any target compounds listed as TICs?		X	

Semivolatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	X		
Do the TIC and "best match" spectrum agree within 20%?	X		
Quantitation and Detection Limits			
Are there any transcription/calculation errors in the Form 1 results?		X	
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	X		
Standard Data			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	X		
Initial Calibration			
Are the initial calibration forms present for each instrument used?	X		
Are the response factor RSDs within acceptable limits?	X		
Are the average RRF equal to or greater than minimum requirements?	X		
Are there any transcription/calculation errors in reporting the RRF or RSD?		X	
Continuing Calibration			
Are the continuing calibration forms present for each day and each instrument?	X		
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	X		
All %D within acceptable limits?	X		
Are all RF equal to or greater than minimum requirements?	X		
Are there any transcription/calculation errors in reporting of RF or %D?		X	
Internal Standards			
Are internal standard areas of the samples and blanks within the upper and lower limits for each continuing calibration?	X		
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		

	YES	NO	NA
Field Duplicates			
Were field duplicates submitted with the samples?	X		

Semi-Volatile Qualifier Summary
Holding Time, Surrogates, Internal Standards

Sample ID	Holding Time*	Surrogates*			Internal Standards*					
		NBZ	FBP	TPH	DCB	NPT	ANT	PHN	CRY	PRY
MW-1										
MW-3S										
MW-9S										
MW-31										
MW-31 DL		D	D	D						
MW-32										
MW-32 DL		D	D	D						
MW-33										
MW-33 DL		D	D	D						
MW-34										
MW-34 DL		D	D	D						
MW-34 MS										
MW-34 MSD										
DUP-1										
DUP-1 DL		D	D	D						
TW-01										
TW-02R		D	D	D						
TW-02R DL		D	D	D						
MW-35										
MW-36										
MW-27				↓						
MW-27 DL		D	D	D						
MW-28										
MW-28 DL		D	D	D						
MW-29										
MW-8S		D	D	D						
MW-8S DL		D	D	D						
MW-30										

Surrogates:
NBZ Nitrobenzene-d5
FBP 2-Fluorobiphenyl
TPH Terphenyl-d14

Internal Standards:
DCB 1,4-Dichlorobenzene-d4
NPT Naphthalene-d8
ANT Acenaphthene-d10
PHN Phenanthrene-d10
CRY Chrysene-d12
PRY Perylene-d12

Qualifiers:
D Diluted
↓ Recovery low
↑ Recovery high

* Unless otherwise specified, all parameters are within acceptable limits.

Semivolatile Calibration Outliers

Instrument: MSD1
Level: low

Date/Time	4/30/02		5/01/02 0925		5/01/02 1654		5/02/02 1028			
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
aniline										
n,n'-dimethylaniline										

Affected Samples:				

Corrected Sample Analysis Data Sheets

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-08B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1601016.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~892~~ 1180	ED
	N,N-Dimethylaniline	23.1	

EPA SAMPLE NO.

DUP-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-08B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1601016.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 8 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		~~Extra Surrogate~~	~~4.34~~	~~54~~	R
2.	95-74-9	Benzenamine, 3-chloro-4-me	6.37	20	
3.	106-47-8	Benzenamine, 4-chloro-	6.45	10	
4.	101-83-7	Cyclohexanamine, N-cyclohe	10.32	180	
5.	101-77-9	Benzenamine, 4,4'-methylen	14.63	4	
6.		Unknown (15.202)	15.20	13	
7.	117-82-8	1,2-Benzenedicarboxylic ac	15.36	4	
8.		Unknown (16.81)	16.81	6	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1DL

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-08B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a1201012.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	1180	
	N,N-Dimethylaniline	100	U

EPA SAMPLE NO.

DUP-1DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-08B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a1201012.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 101-83-7	Cyclohexanamine, N-cyclohe	10.30	270	

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-1

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-01B

Sample wt/vol: 910 (g/mL) ML Lab File ID: 0701007.d

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 04/30/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	5	U
	N,N-Dimethylaniline	5	U

EPA SAMPLE NO.

MW-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-01B

Sample wt/vol: 910 (g/mL) ML Lab File ID: 0701007.d

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/30/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~4.34~~	~~47~~	R
2.	Unknown	15.19	11	

EPA SAMPLE NO.

MW-3S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-02B

Sample wt/vol: 940 (g/mL) ML Lab File ID: 0801008.d

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 04/30/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	1.7	J
	N,N-Dimethylaniline	5	U

EPA SAMPLE NO.

MW-3S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204206-02B

Sample wt/vol: 940 (g/mL) ML Lab File ID: 0801008.d

Level: (low/med) LOW Date Received: 04/16/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/30/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~4.34~~	~~56~~	R
2. 301-02-0	9-Octadecenamide, (Z)-	15.19	21	
3.	Unknown	16.79	20	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8S

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a1501015.d

Level: (low/med) LCW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/02/02

Injection Volume: 1 (µL) Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~777000~~ 793000	ED
	N,N-Dimethylaniline	~~733000~~ 773000	ED

EPA SAMPLE NO.

MW-8S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a1501015.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/02/02

Injection Volume: 1 (µl) Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 100-61-8	Benzenamine, N-methyl-	4.55	66000	

1C

EPA SAMPLE NO.

MW-8SDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 0501005.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/02/02

Injection Volume: 1 (µL) Dilution Factor: 10,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	793000	
	N,N-Dimethylaniline	773000	

EPA SAMPLE NO.

MW-8SDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-06B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 0501005.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/02/02

Injection Volume: 1 (µl) Dilution Factor: 10,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 100-61-8	Benzenamine, N-methyl-	4.59	66000	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-9S

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-01B

Sample wt/vol: 930 (g/mL) ML Lab File ID: 0901009.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 04/30/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	9 ~~9.3~~ ~~9.28~~	
	N,N-Dimethylaniline	43 ~~42.7~~	

1G

EPA SAMPLE NO.

MW-9S

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-01B

Sample wt/vol: 930 (g/mL) ML Lab File ID: 0901009.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/30/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 20 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		~~Unknown (2.73)~~	~~2.73~~	~~8~~	
2.	1678-91-7	~~Cyclohexane, ethyl~~	~~2.88~~	~~9~~	
3.		~~Volatile Target Analyte~~	~~3.09~~	~~18~~	
4.	108-94-1	~~Cyclohexanone~~	~~3.25~~	~~8~~	
5.	98-82-8	Benzene, (1-methylethyl)-	3.41	10	
6.	103-65-1	Benzene, propyl-	3.61	8	
7.	620-14-4	Benzene, 1-ethyl-3-methyl-	3.67	12	
8.		Trimethylbenzene Isomer (3.908)	3.91	13	
9.		Trimethylbenzene Isomer (4.181)	4.18	6	
10.		~~Extra Surrogate~~	~~4.34~~	~~64~~	
11.	100-61-8	Benzenamine, N-methyl-	4.57	6	
12.	108-42-9	Benzenamine, 3-chloro-	5.37	21	
13.	768-00-3	Benzene, (1-methyl-1-prope	5.70	7	
14.		Unknown (6.097)	6.10	7	
15.		Unknown (6.371)	6.37	16	
16.	106-47-8	Benzenamine, 4-chloro-	6.44	15	
17.	101-83-7	Cyclohexanamine, N-cyclohe	10.32	17	
18.	84-69-5	1,2-Benzenedicarboxylic ac	13.45	5	
19.		Unknown (15.187)	15.19	20	
20.		Unknown (16.785)	16.79	18	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-27

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-03B

Sample wt/vol: 950 (g/mL) ML Lab File ID: 2201022.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~13200~~ 176000	D/E J
	N,N-Dimethylaniline	19 ~~19.3~~	J

1G

EPA SAMPLE NO.

MW-27

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-03B

Sample wt/vol: 950 (g/mL) ML Lab File ID: 2201022.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 19 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	108-90-7	~~Benzene, chloro~~	~~2.98~~	~~57~~	R
2.		~~Volatile Target Analyte (3.074)~~	~~3.07~~	~~25~~	R
3.		~~Volatile Target Analyte (3.228)~~	~~3.23~~	~~15~~	R
4.	100-61-8	Benzenamine, N-methyl- (4.595)	4.59	33	
5.		Unknown (4.643)	4.64	74	
6.	611-21-2	Benzenamine, N,2-dimethyl-	5.72	30	
7.		Unknown (6.092)	6.09	69	
8.		Unknown (6.366)	6.37	22	
9.	106-47-8	Benzenamine, 4-chloro-	6.45	42	
10.	122-99-6	Ethanol, 2-phenoxy-	6.62	11	
11.		Unknown (7.814)	7.81	20	
12.	100-61-8	Benzenamine, N-methyl- (8.17)	8.17	10	
13.	291-21-4	1,3,5-Trithiane	8.61	22	
14.	101-83-7	Cyclohexanamine, N-cyclohe	10.36	580	
15.	101-77-9	Benzenamine, 4,4'-methylen	14.63	97	
16.		Unknown (15.193)	15.19	47	
17.		Unknown (15.349)	15.35	16	
18.		Unknown (16.221)	16.22	15	
19.		Unknown (16.794)	16.79	20	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-27DL

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-03B

Sample wt/vol: 950 (g/mL) ML Lab File ID: 0301003.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/02/02

Injection Volume: 1 (µL) Dilution Factor: 5,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	176000	
	N,N-Dimethylaniline	26000	U

1G

EPA SAMPLE NO.

MW-27DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-03B

Sample wt/vol: 950 (g/mL) ML Lab File ID: 0301003.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/02/02

Injection Volume: 1 (µl) Dilution Factor: 5,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1C

EPA SAMPLE NO.

MW-28

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04B

Sample wt/vol: 985 (g/mL) ML Lab File ID: 2301023.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~6180~~ 33 100	ED
	N,N-Dimethylaniline	57 ~~56.6~~	

EPA SAMPLE NO.

MW-28

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04B

Sample wt/vol: 985 (g/mL) ML Lab File ID: 2301023.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 20 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		~~Unknown (3.038)~~	~~3.04~~	~~31~~	K
2.		~~Unknown (3.716)~~	~~3.72~~	~~42~~	K
3.		Trimethylbenzene Isomer (3.93)	3.93	24	
4.		Trimethylbenzene Isomer (4.192)	4.19	14	
5.	496-11-7	1H-Indene, 2,3-dihydro-	4.36	35	
6.	108-39-4	Phenol, 3-methyl-	4.48	48	
7.	100-61-8	Benzenamine, N-methyl- (4.573)	4.57	80	
8.	1560-06-1	Benzene, 2-butenyl-	5.70	20	
9.	767-59-9	1H-Indene, 1-methyl-	5.81	15	
10.	91-20-3	Naphthalene	6.35	160	
11.	122-99-6	Ethanol, 2-phenoxy-	6.62	36	
12.	100-61-8	Benzenamine, N-methyl- (8.165)	8.16	16	
13.		Methylnaphthalene Isomer (8.261	8.26	28	
14.		Methylnaphthalene Isomer (8.629	8.63	58	
15.	101-83-7	Cyclohexanamine, N-cyclohe	10.32	26	
16.	83-32-9	Acenaphthylene, 1,2-dihydr	11.23	15	
17.	86-73-7	9H-Fluorene (9CI)	12.06	15	
18.		Unknown (12.65)	12.65	17	
19.		Unknown (15.194)	15.19	44	
20.		Unknown (16.809)	16.81	32	

1C

EPA SAMPLE NO.

MW-28DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04B

Sample wt/vol: 985 (g/mL) ML Lab File ID: 0401004.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/02/02

Injection Volume: 1 (µL) Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	33400	
	N,N-Dimethylaniline	5100	U

1G

EPA SAMPLE NO.

MW-28DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-04B

Sample wt/vol: 985 (g/mL) ML Lab File ID: 0401004.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/02/02

Injection Volume: 1 (µl) Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: ___ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-29

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-05B

Sample wt/vol: 940 (g/mL) ML Lab File ID: a0601006.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	3.0	J
	N,N-Dimethylaniline	9. ~~8.95~~	

EPA SAMPLE NO.

MW-29

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-05B

Sample wt/vol: 940 (g/mL) ML Lab File ID: a0601006.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	10544-50-0	Sulfur, mol (S8)	14.10	1200	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-30

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-07B

Sample wt/vol: 950 (g/mL) ML Lab File ID: a1601016.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/02/02

Injection Volume: 1 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	250 ~~248~~	
	N,N-Dimethylaniline	210 ~~212~~	

EPA SAMPLE NO.

MW-30

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-07B

Sample wt/vol: 950 (g/mL) ML Lab File ID: a1601016.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/02/02

Injection Volume: 1 (µl) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	100-61-8	Benzenamine, N-methyl-	4.55	22	
2.		Unknown (13.843)	13.84	260	
3.		Unknown (14.833)	14.83	57	

1C

EPA SAMPLE NO.

MW-31

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-02B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1001010.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 04/30/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~796~~ 804	ED
	N,N-Dimethylaniline	21 ~~20.6~~	

EPA SAMPLE NO.

MW-31

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-02B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1001010.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/30/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 18 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 624-29-3	~~Cyclohexane, 1,4-dimethyl-~~	~~2.73~~	~~5~~	
2.	~~Unknown (2.825)~~	~~2.83~~	~~5~~	
3. 98-82-8	Benzene, (1-methylethyl)-	3.41	7	
4.	~~Extra Surrogate~~	~~4.34~~	~~49~~	
5. 100-61-8	Benzenamine, N-methyl- (4.573)	4.57	5	
6. 540-23-8	Benzenamine, 4-methyl-, hy	4.63	5	
7. 934-80-5	Benzene, 4-ethyl-1,2-dimet	5.14	5	
8. 108-42-9	Benzenamine, 3-chloro-	5.37	19	
9.	Unknown (6.095)	6.09	13	
10. 95-74-9	Benzenamine, 3-chloro-4-me	6.37	43	
11. 106-47-8	Benzenamine, 4-chloro-	6.44	22	
12.	Unknown (7.818)	7.82	8	
13. 100-61-8	Benzenamine, N-methyl- (8.175)	8.18	5	
14. 101-83-7	Cyclohexanamine, N-cyclohe	10.31	35	
15. 31317-14-3	1,2-Dimethyldibenzothiophe	14.50	6	
16. 101-77-9	Benzenamine, 4,4'-methylen	14.63	66	
17.	Unknown (15.183)	15.18	22	
18.	Unknown (16.794)	16.79	20	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-31DL

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-02B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a0701007.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	804	
	N,N-Dimethylaniline	100	U

EPA SAMPLE NO.

MW-31DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-02B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a0701007.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 101-77-9	Benzenamine, 4,4'-methylen	14.61	120	
2.	Unknown	14.83	280	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-32

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-03B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1101011.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 04/30/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~1990~~ 4620	ED
	N,N-Dimethylaniline	11. ~~11.2~~	

EPA SAMPLE NO.

MW-32

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-03B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1101011.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/30/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	~~Extra Surrogate~~	~~4.34~~	~~50~~		
2.	622-80-0	Benzenamine, N-propyl-	7.82	9	
3.	101-83-7	Cyclohexanamine, N-cyclohe	10.32	7	
4.	84-74-2	1,2-Benzenedicarboxylic ac	13.84	5	
5.	301-02-0	9-Octadecenamide, (Z)-	15.19	28	
6.		Unknown (15.338)	15.34	14	
7.		Unknown (16.793)	16.79	16	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-32DL

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-03B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a0801008.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	4620	
	N,N-Dimethylaniline	510	U

EPA SAMPLE NO.

MW-32DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-03B

Sample wt/vol: 980 (g/mL) ML Lab File ID: a0801008.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-33

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-05B

Sample wt/vol: 930 (g/mL) ML Lab File ID: 1301013.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 04/30/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~1620~~ 278	ED
	N,N-Dimethylaniline	21. ~~21.3~~	

1G

EPA SAMPLE NO.

MW-33

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-05B

Sample wt/vol: 930 (g/mL) ML Lab File ID: 1301013.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted:(Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/30/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 100-61-8	Benzenamine, N-methyl-	4.58	6	
2. 101-83-7	Cyclohexanamine, N-cyclohe	10.32	20	
3. 814-29-9	PHOSPHANOXIDE, TRIBUTYL-	12.75	26	
4. 10544-50-0	Sulfur, mol_ (S8)	14.04	410	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-33DL

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-05B

Sample wt/vol: 930 (g/mL) ML Lab File ID: a0901009.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	2780	
	N,N-Dimethylaniline	270	U

EPA SAMPLE NO.

MW-33DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-05B

Sample wt/vol: 930 (g/mL) ML Lab File ID: a0901009.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-34

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-07B

Sample wt/vol: 995 (g/mL) ML Lab File ID: 1501015.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	640 ~~474~~ 642	ED
	N,N-Dimethylaniline	15 ~~15.4~~	

EPA SAMPLE NO.

MW-34

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-07B

Sample wt/vol: 995 (g/mL) ML Lab File ID: 1501015.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown (6.367)	6.37	14	
2. 106-47-8	Benzenamine, 4-chloro-	6.45	7	
3. 101-83-7	Cyclohexanamine, N-cyclohe	10.32	140	
4.	Unknown (15.19)	15.19	16	
5. 0-00-0	PROPIONIC ACID, 2-ISOPROPO	15.35	9	
6.	Unknown (16.797)	16.80	12	

1C

EPA SAMPLE NO.

MW-34DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-07B

Sample wt/vol: 995 (g/mL) ML Lab File ID: a1101011.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	642	
	N,N-Dimethylaniline	20	J

EPA SAMPLE NO.

MW-34DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-07B

Sample wt/vol: 995 (g/mL) ML Lab File ID: a1101011.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 2 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	101-83-7	Cyclohexanamine, N-cyclohe	10.30	200	
2.		Unknown	14.83	43	

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-35

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-01B

Sample wt/vol: 920 (g/mL) ML Lab File ID: 2001020.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	3.0	J
	N,N-Dimethylaniline	4. ~~3.9~~	J

1G

EPA SAMPLE NO.

MW-35

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-01B

Sample wt/vol: 920 (g/mL) ML Lab File ID: 2001020.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		Unknown (15.194)	15.19	15	
2.		Unknown (15.349)	15.35	8	
3.		Unknown (16.799)	16.80	18	

1C

EPA SAMPLE NO.

MW-36

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-02B

Sample wt/vol: 990 (g/mL) ML Lab File ID: 2101021.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	9 ~~9.01~~	
	N,N-Dimethylaniline	41 ~~41.1~~	

EPA SAMPLE NO.

MW-36

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204260-02B

Sample wt/vol: 990 (g/mL) ML Lab File ID: 2101021.d

Level: (low/med) LOW Date Received: 04/18/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 15 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 100-61-8	Benzenamine, N-methyl- (4.568)	4.57	5	
2. 622-80-0	Benzenamine, N-propyl-	7.82	7	
3. 100-61-8	Benzenamine, N-methyl- (8.17)	8.17	6	
4. 101-83-7	Cyclohexanamine, N-cyclohe	10.40	640	
5.	Unknown (12.348)	12.35	5	
6.	Unknown (12.479)	12.48	11	
7.	Unknown (12.563)	12.56	10	
8. 84-74-2	1,2-Benzenedicarboxylic ac	13.84	4	
9.	Unknown (14.308)	14.31	5	
10.	Unknown (14.475)	14.48	8	
11.	Unknown (14.535)	14.54	6	
12.	Unknown (15.158)	15.16	9	
13.	Unknown (15.195)	15.20	32	
14.	Unknown (15.35)	15.35	16	
15.	Unknown (16.797)	16.80	13	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TW-01

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-04B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1201012.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 04/30/02

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	8. ~~8.15~~	
	N,N-Dimethylaniline	13. ~~12.7~~	

1G

EPA SAMPLE NO.

TW-01

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-04B

Sample wt/vol: 980 (g/mL) ML Lab File ID: 1201012.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 04/30/02

Injection Volume: 1 (µl) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	95-74-9	Benzenamine, 3-chloro-4-me	6.36	22	
2.	108-42-9	Benzenamine, 3-chloro-	6.44	9	
3.	101-83-7	Cyclohexanamine, N-cyclohe	10.31	10	
4.	131-16-8	1,2-Benzenedicarboxylic ac	13.85	5	
5.		Unknown	15.21	34	
6.	301-02-0	9-Octadecenamide, (Z)-	16.82	10	

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TW-02R

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-06B

Sample wt/vol: 940 (g/mL) ML Lab File ID: a1001010.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02

Injection Volume: 1 (µL) Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	~~898000~~ 1010000	ED
	N,N-Dimethylaniline	5300	U

EPA SAMPLE NO.

TW-02R

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-06B

Sample wt/vol: 940 (g/mL) ML Lab File ID: a1001010.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/01/02

Injection Volume: 1 (µl) Dilution Factor: 1,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 1 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1. 100-61-8	Benzenamine, N-methyl-	4.57	6900	

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TW-02RDL

Lab Name: Buck Environmental Labs, In Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-06B

Sample wt/vol: 940 (g/mL) ML Lab File ID: 0201002.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/02/02

Injection Volume: 1 (µL) Dilution Factor: 10,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
62-53-3	Aniline	1090000	
	N,N-Dimethylaniline	53000	U

1G

EPA SAMPLE NO.

TW-02RDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Buck Environmental Labs, Inc. Contract: _____

Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0206

Matrix: (soil/water) WATER Lab Sample ID: 0204231-06B

Sample wt/vol: 940 (g/mL) ML Lab File ID: 0201002.d

Level: (low/med) LOW Date Received: 04/17/02

% Moisture: Decanted: (Y/N) N Date Extracted: 04/19/02

Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/02/02

Injection Volume: 1 (µl) Dilution Factor: 10,000.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type)

CONCENTRATION UNITS:

Number TICs found: 0 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Chain of Custody

0204206

SDG · BEL0206

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

6723 Towpath Road, P.O. Box 66
Syracuse, New York 13214-0066
TEL: (315) 446-9120

CHAIN OF CUSTODY RECORD

0204206 0204207

PROJ. NO. 260.03 | PROJECT NAME McKesson – Bear Street

SAMPLERS: (Signature)

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of containers	VOCs	SVOCs	Alcohol	Total Fe/Mn	Dissolved Fe/Mn	Nitrate	Sulfide	REMARKS
	4/15/02	13:50		X	MW-1	10	2	2	2	1	1	1	1	1 container broken
	4/15/02	16:00		X	MW-3S	10	2	2	2	1	1	1	1	
	4/15/02				Trip Blank – 1V		1							
	4/15/02				Trip Blank – 1A				1					
														One optional Trip Blank – Don't analyze if no trip Blank broken.
														Total 22+1 container

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
	4/15/02	1700					
Relinquished by: (Signature) Federal Express	DATE 4/16/02	TIME 10:30	Received by: (Signature) Shirley E. Tosun	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
Relinquished by: (Signature)	DATE	TIME	Received for Laboratory by: (Signature) S	DATE	TIME		

Remarks: * Category B deliverables for VOCs, SVOCs and alcohols
* Results only for nitrate, sulfate, sulfide, total/dissolved Fe/Mn

10/23/95

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

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TEL: (315) 446-9120

0204291
SDG BEL0206

CHAIN OF CUSTODY RECORD

0204231 | 0204232

PROJ. NO. 260.03 **PROJECT NAME** McKesson – Bear Street

SAMPLERS: (Signature) [signature]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of Containers	VOCs (8260)	SVOCs (8270)	Alcohols (8015)	Nitrate/Sulfate	Total Fe/Mn	Dissolved Fe/Mn	Sulfide	REMARKS
	4/16/02	8:50		X	MW-95	10	2	2	2	1	1	1	1	* Category B deliverables
	4/16/02	10:10		X	MW-31	10	2	2	2	1	1	1	1	for all samples (VOCs, SVOCs and alcohol)
	4/16/02	11:15		X	MW-32	10	2	2	2	1	1	1	1	* Contact M. Skwarnicka
	4/16/02	14:10		X	TW-01	10	2	2	2	1	1	1	1	with any questions
	4/16/02	14:10		X	MW-33	10	2	2	2	1	1	1	1	(446-2570 ext 517)
	4/16/02	16:40		X	TW-02R	10	2	2	2	1	1	1	1	* Results only nitrate/sulfate,
	4/16/02	16:40		X	MW-34	10	2	2	2	1	1	1	1	total/dissolved Fe/MN,
	4/16/02			X	Dup-1	6	2	2	2					sulfide.
	4/16/02			X	~~MS~~ MW-34MS	6	2	2	2					* Dissolved Fe/Mn filtered in
	4/16/02			X	MW-34MSD	6	2	2	2					the field
	4/16/02	—			Trip Blank-ZV	1	1							
	4/16/02	—			Trip Blank-ZA	1			1					
	4/16/02	—			Trip Blank-20	1								*optional (Replacement
					Total	91								if one of the blank is broken)

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
[signature]	4/16/02	19:15					

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
[signature]	4/16/02	19:20					

Relinquished by: (Signature)	DATE	TIME	Received for Laboratory by: (Signature)	DATE	TIME	Remarks:
Federal Express	4/17/02	10:15	Shirley E. Towne			

0204260
SDG BEL 0206

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BLASLAND, BOUCK & LEE, INC.
engineers & scientists

6723 Towpath Road, P.O. Box 66
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TEL: (315) 446-9120

* Contact Margaret Skowronski with questions

CHAIN OF CUSTODY RECORD

0204260 0204261

PROJ. NO.	PROJECT NAME
	McKesson

SAMPLERS: (Signature) M. Sheild / Jerry Shi

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of Containers	VOCs (8260)	SVOCs (8270)	Alcohol (8015)	Nitrate/Sulfate	Total Fe/Mn	Dissolved Fe/Mn	Sulfide	Ammonia	Potassium	Ortho-Phosphate	REMARKS
	4/17/02	9:15		X	MW-35	10	2	2	2	1	1	1	1				
		9:35			MW-36	10	2	2	2	1	1	1	1				
		11:50			MW-27	13	2	2	2	1	1	1	1	1	1	1	
		12:00			MW-28	13	2	2	2	1	1	1	1	1	1	1	
		15:15			MW-29	13	2	2	2	1	1	1	1	1	1	1	
		15:40			MW-88	13	2	2	2	1	1	1	1	1	1	1	
		16:50			MW-30	13	2	2	2	1	1	1	1	1	1	1	
					Trip blank - 3V	1	1		1								
					Trip blank - 3A	1	1		1								
					Trip blank - 30	1											
					Total	88											

* Category B deliverables for VOCs, SVOCs, and alcohols only
* Results only for all others
* Dissolved Fe/Mn filtered in a field
* Sample Trip Blank - 30 only if other trip blank broken

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
M. Sheild	4/17/02	1825					
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
	4/17/02	1825					
Relinquished by: (Signature)	DATE	TIME	Received for Laboratory by: (Signature)	DATE	TIME	Remarks:	
				4/19/02	11:30am		

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10/23/95

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