

<u>Transmittal</u>

Tran	smitted via Federa	l Express	6723 T Syracu	nd, Bouck & Lee, Inc. ōwpath Road/Box 66 ise, New York13214-00 i46-9120	66		м скларо	· · · · · · · · · · · · · · · · · · ·		and the second
To:	Mr. Thomas Rea Bureau of Hazar New York State I	dous Site Control	Date: File:	September 26, 2002 0260.26003 #2		e e generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generation generat	SE5	27	2002	su conserver. S
Environmental Conservation 625 Broadway, 11 th Floor Albany, NY 12233-7014		Re:	McKesson Envirosyst Bear Street Facility Syracuse, New York	ems	£., B.,	a - Maria 2 Drawit Jon Salphi - ana	س ، ۲	алар (р. 14) 19 19 - Санар (р. 1997) 19 - Ферду (р. 1997) 19 - Санар (р. 1997)	 ~{	
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If material received is not as listed, please notify us at once.

Quantity	Title
1	Validated Analytical Laboratory Reports

Remarks:

Please find enclosed a copy of the validated analytical laboratory reports listed below for groundwater samples collected at the McKesson, Bear Street facility. These reports are associated with the anaerobic bioremediation treatment activities conducted at the site during January 2002 through June 2002.

- Validated analytical laboratory reports for groundwater samples collected by Blasland, Bouck & Lee, Inc. (BBL) and analyzed for the chemicals of concern during the April 2002 biannual process control monitoring event.
- Validated analytical laboratory report for the groundwater samples collected from monitoring wells MW-17R, MW-18, PZ-4S, MW-24SR, and MW-24DR during the June 2002 resampling event. As presented in the *Biannual Process Control Monitoring Report* (January 2002 through June 2002), these select monitoring wells were resampled for aniline and N,N-dimethylaniline on June 18, 2002. The *Biannual Process Control Monitoring Report* has been transmitted to you under separate cover.

If you have any questions or require additional information, please do not hesitate to call me at (315) 446-2570, ext. 210.

Sincerely,

BLASLAND, BOUCK & LEE, INC.

Senior Vice President

CC:

- Mr. Reginald Parker, P.E., New York State Department of Environmental Conservation (w/o enclosure)
 Ms. Henriette Hamel, R.S., New York State Department of
- Health (w/o enclosure)
- Ms. Jean A. Mescher, McKesson Corporation (w/o enclosure)
- Mr. Christopher R. Young, P.G., de maximis, inc. (w/o enclosure)

CWS/kah Enclosure

DATA REVIEW FOR

MCKESSON - BEAR STREET SITE

SDG# BEL0207

VOLATILE AND SEMIVOLATILE ANALYSES

Analyses performed by:

Buck Environmental Laboratories, Inc. Cortland, New York

Review performed by:



Blasland, Bouck & Lee, Inc. Syracuse, New York

<u>Summary</u>

The following is an assessment of the data package for SDG # BEL0207 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	
COLLECTION SUMP	0204286-03A	water	4/19/02	x	x	x	
DUP-2	020428 <u>1-10A</u>	water	4/18/02	x	×	x	
MW-17R	0204281-01A	water	4/18/02	x	x	x	
MW-18	020428 <u>1-02</u> A	water	4/18/02	x	x	x	
MW-19	0204281-03A	water	4/18/02	x	x	x	
MW-231	0204281-05A	water	4/18/02	x	x	x	
MW-23S⁴	0204281-04A	water	4/18/02	x	x	_x	
MW-25D	0204281-07A	water	4/18/02	X	x	_x	
MW-25S	0204281-06A	water	4/18/02	x	x	X	
PZ-4D	0204286-02A	water	4/19/02	x	x	x	
PZ-4S	0204286-01A	water	4/19/02	x	<u>x</u>	x	
TRENCH B	0204286-04A	water	4/19/02	x	x	x	
TRIP BLANK 4	0204281-11A	water	4/18/02	x	X		
TRIP BLANK 5	0204286-05A	water	4/19/02	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.

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.

Acetone was detected in the trip blanks and acetone and methylene chloride was detected in the method blanks. Data for acetone have been qualified as undetected in samples DUP-2, COLLECTION SUMP, MW-17R, MW-18, MW-19, MW-23I, MW-23S, MW-25D, MW-25S, PZ-4D, PZ-4S, and TRENCH B 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 and matrix spike duplicate recoveries were above control limits for trichloroethene. Matrix spike blank recovery for trichloroethene was also above control limits. Since no trichloroethene was detected in the samples, the high recoveries have no impact on the reported data. All other matrix spike, matrix spike duplicate and 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-23S / DUP-2	ND			NA

ND Not detected.

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

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?		<u> </u>	
Is there a narrative or cover letter present?	<u> </u>	·	
Are the sample numbers included in the narrative?	<u> </u>		
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>		
Holding Times			
Have any holding times been exceeded?		<u> </u>	
<u>Surrogate_Recovery</u>			
Are surrogate recovery forms present?	<u> X </u>		
Are all the samples listed on the appropriate surrogate recovery form?	_ <u>X</u> _		
Was one or more surrogate recoveries outside of specified limits for any sample or blank?		<u> </u>	
If yes, were the samples reanalyzed?		<u> </u>	X
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>		
Were matrix spikes analyzed at the required frequency?	<u>_X</u>		
How many spike recoveries were outside of QC limits?			
<u>2</u> out of <u>16</u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u>0</u> out of <u>8</u>			
<u>Blanks</u>			
Is the method blank summary form present?	<u>X</u>		
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> </u>		
Has a blank been analyzed at least once every twelve hours for each system used?	<u> </u>		
Do any method/reagent/instrument blanks have positive results?	<u> </u>		
Are there trip/field/rinse/equipment blanks associated with every sample?	<u> </u>		
Do any trip/field/rinse blanks have positive results?	<u>_X</u>		

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Volatile Organics Data Validation Checklist - Page 2

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

Volatile Organics Data Validation Checklist - Page 3

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

Volatile Qualifier Summary Holding Time, Surrogates, Internal Standards

Sample ID	Holding Time*		Surrogates	A. (2. \$4. (2. \$4.))	inte	ernal Standa	irds*
		TOL	BFB	DBF	PFB	DFB	CBZ
COLLECTION SUMP							
DUP-2							
MW-17R							
MW-18							
_MW-19							
MW-231							
MW-23S							
MW-235 MS							
MW-23S MSD							
_MW-25D							
MW-25S		_					
PZ-4D							
PZ-4S							
TRENCH B							
TRIP BLANK 4							
TRIP BLANK 5							

Surrogates:

TOL

Toluene-d8 Bromofluorobenzene BFB

DBF Dibromofluoromethane Internal Standards: PFB Pentafluorobenzene

1,4-Difluorobenzene DFB

CBZ Chlorobenzene-d5

Qualifiers:

Recovery high
 Recovery low

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

Volatile Calibration Outliers

Instrument: <u>MSD3</u> Matrix: <u>water</u> Level: <u>Iow</u>

Date/Time	4/1	9/02	4/23/0	2 1014	4/24/0	2 1414				
	Initia	l Cal.	Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RÊ	%D	RF	%D	RF	%D	RF	%D
Methylene chloride										
Acetone										
Trichloroethene										
Benzene										
Toluene										
Ethylbenzene										
Xylene (total)	<u> </u>									
Affected Samples:										
			_							

Corrected Sample Analysis Data Sheets

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VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

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EPA SAMPLE NO.

COLLECTION SUMP

Lab Name: <u>Buck Envir</u>	onmental Labs, Inc	<u>c.</u> Contract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-03A
Sample wt/vol: 5	(g/mL) ML	Lab File ID:	0601006.D
Level: (low/med)	LOW	Date Received:	04/19/02
<pre>% Moisture: not dec.</pre>		Date Analyzed:	04/24/02
GC Column: J&W, DB624	1 ID: <u>.18</u> (m	m) Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volu	me(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u>UG/L</u>	Q
67-6	54-1 Acetone		108	JUL U
71-4	13-2 Benzene		5	U C
100-4	11-4 Ethylbenzene		5	U ,
75-0	9-2 Methylene chloride	Э	5	U
108-8	18-3 Toluene		5	· U
79-0)1-6 · Trichloroethene		5	; U
1330-2	20-7 m,p-Xylene		10	U .
95-4	17-6 o-Xylene	:	5	U

	EPA SAMPLE NO.			
VO	COLLECTION SUMP			
Lab Name: <u>Buck Environmen</u>	ntal Labs, Inc.	Contract:		
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No	BEL0207
Matrix: (soil/water)	WATER	Ī.	Lab Sample ID:	0204286-03 <u>A</u>
Sample wt/vol: 5	(g/mL) <u>ML</u>	L	ab File ID:	0601006.D
Level: (low/med) LOW		D	ate Received:	04/19/02
% Moisture: not dec.		D	Date Analyzed:	04/24/02
GC Column: <u>J&W,DB624</u> II	D: <u>.18</u> (mm)	D)ilution Factor:	1.00
Soil Extract Volume:	(µl)	S	Soil Aliquot Volume	: <u>0</u> (µL)
		CONCENTRA	TION UNITS:	
Number TICs found:	0	(µg/L or	µg/Kg)	UG/L
CAS NUMBER	COMPOUND NAM	E	RT EST.CC	NC. Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-2

' Lab Name:	Buck Enviro	nmental Labs,	<u>Inc.</u> Contra	ct:	
Lab Code:	10795	Case No.: <u>C</u>	SAS	No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water) <u>V</u>	VATER		Lab Sample ID:	0204281-10A
Sample wt	/vol: <u>5</u>	(g/mL) <u>ML</u>		Lab File ID:	<u>1701017.D</u>
Level:	(low/med) <u>I</u>	WOL		Date Received:	04/19/02
% Moistur	e: not dec.			Date Analyzed:	04/23/02
GC Column	: <u>J&W,DB624</u>	ID: <u>.18</u>	(mm)	Dilution Factor:	1.00
Soil Extr	act Volume:	(µL)		Soil Aliquot Volu	ume (µL)

CONCENTRATION UNITS:

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

	1 <i>F</i>		EPA SAMPLE NO.
	VOLATILE ORGANICS ANALYSIS DATA TENTATIVELY IDENTIFIED COMPOUN		DUP-2
Lab Name: <u>Buck Environm</u>	ental Labs, Inc. Contra		
Lab Code: <u>10795</u>	Case No.: <u>C</u> SAS No.:	SDG 1	No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>0204281-10A</u>
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	1701017.D
Level: (low/med) LOW		Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/23/02
GC Column: J&W,DB624	ID: <u>.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µ1)	Soil Aliquot Volum	e: <u>0</u> (µL)
		TRATION UNITS:	
Number TICs found:	2 (µg/L	or µg/Kg)	<u>UG/L</u>
CAS NUMBER	COMPOUND NAME	RT EST.C	CONC. Q
1.75-29-6	Propane, 2-chloro-	1.85	9
2.	Extra Surrogate	14.58	<u> 46 </u>

1

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-17R

Lab Name: <u>Buck Envir</u>	conmental Labs,	Inc.Contract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-01A
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	1001010.D
Level: (low/med)	LOW	Date Received:	04/19/02
ቆ Moisture: not dec.		Date Analyzed:	04/23/02

GC Column: J&W,DB624 ID: <u>.18</u> (mm) Dilution Factor: <u>1.00</u> Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

.

CONCENTRATION UNITS:

COMPOUND	(µg/l or µg/Kg)	<u>UG/L</u>	Q
-1 Acetone		10 7	POTI
-2 Benzene		6 5.6	
-4 Ethylbenzene		5	U
-2 : Methylene chloride		5	U
-3 Toluene		5	U
-6 Trichloroethene	:	5	υ
-7 ' m,p-Xylene		10	U :
-6 o-Xylene		5	U
	COMPOUND -1 Acetone -2 Benzene -4 Ethylbenzene -2 Methylene chloride -3 Toluene -6 Trichloroethene -7 m,p-Xylene -6 o-Xylene	-1 Acetone -2 Benzene -4 Ethylbenzene -2 Methylene chloride -3 Toluene -6 Trichloroethene -7 m,p-Xylene	1Acetone10-2Benzene6-4Ethylbenzene5-4Ethylbenzene5-2Methylene chloride5-3Toluene5-6Trichloroethene5-7m,p-Xylene10

		1	F		EPA SAMPLE NO.
		VOLATILE ORGANIC:	S ANALYSIS DATA	SHEET	MW-17R
		TENTATIVELY ID	DENTIFIED COMPOUN	NDS	
	Buck Environ	mental Labs, Inc.	Contra	ct:	
Lab Code:	10795	Case No.: <u>C</u>	SAS No.:	SDG 1	No.: <u>BEL0207</u>
Matrix: (soi	l/water)	WATER		Lab Sample ID:	0204281-01A
Sample wt/vo	1: <u>5</u>	(g/mL	.) <u>ML</u>	Lab File ID:	1001010.D
Level: (lo	w/med) LOW	1		Date Received:	04/19/02
% Moisture:	not dec.			Date Analyzed:	04/23/02
GC Column:	J&W, DB624	ID: <u>.18</u> (mm)		Dilution Factor:	1.00
Soil Extract	Volume:	(μl)	Soil Aliquot Volum	ne: <u>0</u> (µL)
			CONCEN	TRATION UNITS:	
Number TICs	found:	3	(µg/L	or µg/Kg)	<u>UG/L</u>
(CAS NUMBER	COMPOU	UND NAME	RT EST.C	CONC. Q

Propane, 2-chloro-

Sulfur dioxide(DOT)

Extra-Surrogate

1.75-29-6

3.

2.7446-09-5

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46

V

1.84

3.50 14.57

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-18

Lab Name: Buck Environmental Labs, Inc. Contra	let:	
Lab Code: 10795 Case No.: C SAS	No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water) WATER	Lab Sample ID:	0204281-02A
Sample wt/vol: 5 (g/mL) <u>ML</u>	Lab File ID:	<u>1101011.D</u>
Level: (low/med) LOW	Date Received:	04/19/02
% 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 Volu	ume(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u>UG/L</u>	Q
67-6	1-1 Acetone		10	JAK U
71-4	3-2 Benzene	1	10	U
100-4	1-4 Ethylbenzene		10	U .
75-0	9-2 Methylene chloride		10	U :
108-8	3-3 Toluene	:	10	U
79-0	1-6 Trichloroethene	!	10	<u> </u>
1330-2)-7 m,p-Xylene	1	20	; Ū
95-4	7-6 o-Xylene	1	10	U

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	1F		EPA SAMPLE NO.
	VOLATILE ORGANICS ANALYS TENTATIVELY IDENTIFIE		MW-18
Lab Name: <u>Buck Environ</u>	mental Labs, Inc.	Contract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.: SDG	No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-02A
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	<u>1101011.D</u>
Level: (low/med) LOW		Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/23/02
GC Column: J&W,DB624	ID: <u>.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µl)	Soil Aliquot Volu	ume: <u>0</u> (µL)
		CONCENTRATION UNITS:	
Number TICs found:	2	(µg/L or µg/Kg)	<u>UG/L</u>
CAS NUMBER	COMPOUND NAME	RT EST	CONC. Q
1.7446-09-5	Sulfur dioxide(DOT)	3.97	6
2	- Extra Surrogate	14.58	<u> 42 </u>

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-19

Lab Name: <u>Buck Environmental Labs, Inc.</u> Contr	act:	
Lab Code: <u>10795</u> Case No.: <u>C</u> SAS	5 No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	0204281-03A
Sample wt/vol: <u>5</u> (g/mL) <u>ML</u>	Lab File ID:	1201012.D
Level: (low/med) LOW	Date Received:	04/19/02
% Moisture: not dec.	Date Analyzed:	04/23/02
GC Column: J&W, DB624 ID: <u>.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:(µL)	Soil Aliquot Vol	ume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
67-64	-1 Acetone	· · · · · · · · · · · · · · · · · · ·	10	PATU
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 U
79-01	-6 : Trichloroethene		5	U
1330-20)-7 m,p-Xylene	· · · · · · · · · · · · · · · · · · ·	10	U
95-47	-6 o-Xylene		5	. U

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	1 F		EPA SAMPLE NO.		
	VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS				
Lab Name: <u>Buck Environ</u>	mental Labs, Inc. Cont	ract:			
Lab Code: <u>10795</u>	Case No.: \underline{C} SAS No.	: SDG N	0.: <u>BEL0207</u>		
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-03A		
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	1201012.D		
Level: (low/med) LOW	1	Date Received:	04/19/02		
% Moisture: not dec.		Date Analyzed:	04/23/02		
GC Column: J&W,DB624	ID: <u>.18</u> (mm)	Dilution Factor:	1.00		
Soil Extract Volume:	(µ <u>1</u>)	Soil Aliquot Volume	e: <u>0</u> (µL)		
	CONC	ENTRATION UNITS:			
Number TICs found:	1 (µg/	L or µg/Kg)	UG/L		
CAS NUMBER	COMPOUND NAME	RT EST.C	ONC. Q		
1	Extra Surrogate	14:58	41		

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23I

Lab Name: <u>B</u>	uck Environmer	ital Labs, Inc.C	Contrac	ct:	
Lab Code: <u>1</u>	<u>0795</u> Cas	e No.: <u>C</u>	SAS	No.:	SDG No.: <u>BEL0207</u>
Matrix: (soi	l/water) <u>WATE</u>	R		Lab Sample ID:	0204281-05A
Sample wt/vo	pl: <u>5</u>	(g/mL) <u>ML</u>		Lab File ID:	1401014.D
Level: (1	ow/med) LOW			Date Received:	04/19/02
% Moisture:	not dec.			Date Analyzed:	04/23/02
GC Column:	J&W, DB624	ID: <u>.18</u> (mm)		Dilution Factor:	1.00
Soil Extract	Volume:	(µL)		Soil Aliquot Volu	me(µL)

CONCENTRATION UNITS:

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

	1 F		EP	A SAMPLE NO.
	MW	-231		
Lab Name: Buck Env	ironmental Labs, Inc.	Contract:		
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.:	BEL0207
Matrix: (soil/water)	WATER	Lab Sa:	mple ID: <u>020</u>	04281-05A
Sample wt/vol: 5	(g/mL)	ML Lab Fi	le ID: <u>140</u>	01014.D
Level: (low/med)	LOW	Date R	eceived: <u>04</u>	/19/02
% Moisture: not dec.		Date A	nalyzed: 04,	/23/02
GC Column: J&W, DB624	ID: <u>.18</u> (mm)	Diluti	on Factor: <u>1.(</u>	<u>00</u>
Soil Extract Volume:	(µl)	Soil A	liquot Volume:	<u>0</u> (µL)
		CONCENTRATION	JNITS:	
Number TICs found:	1	(µg/L or µg/Kg) <u>UG/</u>	
CAS NUMBER	COMPOUND N	NAME RT	EST.CONC.	Q

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٧/

-Extra Surrogate

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23S

Lab Name:Buck Environmental Labs, Inc.Contract:Lab Code:10795Case No.:Case No.:SDG No.:BEL0207Matrix:(soil/water)WATERLab Sample ID:0204281-04ASample wt/vol:5(g/mL)MLLab File ID:1301013.DLevel:(low/med)LOWDate Received:04/19/02% Moisture:not dec.Date Analyzed:04/23/02GC Column:J&W, DB624ID:.18(mm)Dilution Factor:Soil Extract Volume:(µL)Soil Aliquot Volume(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u>UG/L</u>		Q	
67-6	4-1 Acetone		10		PSK.	N8
71-4	3-2 Benzene		5	i	U	
100-4	1-4 Ethylbenzene		5		U	
75-0	9-2 Methylene chloride	2	5		<u> </u>	
108-8	8-3 ; Toluene		5		U	_
79-0	1-6 Trichloroethene		5	;	U	
	0-7 m,p-Xylene	· · · ·	10		U	
95-4	7-6 o-Xylene		5		U	

	1 F		EPA SAMPLE NO.
	VOLATILE ORGANICS AND TENTATIVELY IDENTI		MW-235
Lab Name: <u>Buck Environ</u>	mental Labs, Inc.	Contract:	_
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample I	D: 0204281-04A
Sample wt/vol: 5	(g/mL)	ML Lab File ID:	1301013.D
Level: (low/med) LOW		Date Receive	d: <u>04/19/02</u>
% Moisture: not dec.		Date Analyze	d: <u>04/23/02</u>
GC Column: J&W,DB624	ID: <u>.18</u> (mm)	Dilution Fac	tor: <u>1.00</u>
Soil Extract Volume:	(µl)	Soil Aliquot	Volume: $\underline{0}$ (µL)
	-	CONCENTRATION UNITS:	
Number TICs found:	2	(µg/L or µg/Kg)	<u>UG/L</u>
CAS NUMBER	COMPOUND N	IAME RT	EST.CONC. Q

i_						· • ·
	1.75-29-6	Pr	opane, 2-chloro-	1.85	 8	
	2.		tra-Surrogate	 14.58	 46-	VZ

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-25D

Lab Name: Buck Envir	conmental Labs, Inc.Co	ntract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-07A
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	1601016.D
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/23/02
GC Column: <u>J&W, DB62</u>	4 ID: <u>.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volu	ume(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u>UG/L</u>		Q
67-64	1-1 Acetone		107		PHAL
71-43	3-2 Benzene		5	1	U
100-41	L-4 Ethylbenzene		5		U
75-09	9-2 Methylene chloride		5	i	U
108-88	3-3 Toluene		5		
79-01	L-6 Trichloroethene		5		U
1330-20)-7 m,p-Xylene		10	1	U
95-47	7-6 o-Xylene		5		<u> </u>

	lF		_	EPA SAMPLE NO.
	VOLATILE ORGANICS ANAL TENTATIVELY IDENTIF		-	MW-25D
Lab Name: Buck Environm	mental Labs, Inc.	Contract	:	
Lab Code: <u>10795</u>	Case No.: C	SAS No.: _	SDG No	.: <u>BEL0207</u>
Matrix: (soil/water)	WATER		Lab Sample ID:	0204281-07A
Sample wt/vol: 5	(g/mL) <u>M</u>	<u>L</u>	Lab File ID:	<u>1601016.D</u>
Level: (low/med) LOW			Date Received:	04/19/02
<pre>% Moisture: not dec.</pre>			Date Analyzed:	04/23/02
GC Column: J&W, DB624	ID: <u>.18</u> (mm)		Dilution Factor:	1.00
Soil Extract Volume:	(µl)		Soil Aliquot Volume	: <u>0</u> (µL)
		CONCENTR	ATION UNITS:	
Number TICs found:	1	(µg/L or	µg/Kg)	UG/L
CAS NUMBER	COMPOUND NA	ME	RT EST.CO	NC. Q
1.	Extra Surrogate		4.58	-45- YZ

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-25S

Lab Name: Buck Environmental Labs, Inc. Contra	act:	
Lab Code: <u>10795</u> Case No.: <u>C</u> SAS	No.:	SDG No.: BEL0207
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	0204281-06A
Sample wt/vol: 5 (g/mL) <u>ML</u>	Lab File ID:	<u>1501015.D</u>
Level: (low/med) LOW	Date Received:	04/19/02
% Moisture: not dec.	Date Analyzed:	04/23/02
GC Column: J&W, DB624 ID: <u>.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (µL)	Soil Aliquot Vol	ume(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>		Q	
67-6	4-1 Acetone		10 1		ZX	あしょ
71-4	3-2 · Benzene		5		U	<i>µ</i>
100-4	1-4 Ethylbenzene		5	:	υ	_
75-0	9-2 Methylene chloride	2	5		U	
108-8	8-3 Toluene		5		U	
79-0	1-6 Trichloroethene		5		IJ	
1330-2	10-7 m,p-Xylene	1	10	•	Ū	
95-4	7-6 o-Xylene		5		U	

			1F			EPA SAMPLE N	10.
		VOLATILE ORG	GANICS ANALY Ly IDENTIFIE			MW-255	
Lab Name:	Buck Environ	mental Labs,	Inc.	Contract	t:		
Lab Code:	10795	Case No.:	<u>c</u>	SAS No.: _	SDG	No.: <u>BEL0207</u>	
Matrix: (soil	/water)	WATER			Lab Sample ID:	0204281-06A	
Sample wt/vol	.: <u>5</u>		(g/mL) <u>ML</u>		Lab File ID:	1501015.D	
Level: (low	/med) LOW	1			Date Received:	04/19/02	
% Moisture: n	not dec.				Date Analyzed:	04/23/02	
GC Column: 3	J&W, DB624	ID: <u>.18</u> (m	un)		Dilution Factor:	1.00	
Soil Extract		、·	(µl)		Soil Aliquot Volu	ume: <u>0</u>	(µL)
				CONCENT	RATION UNITS:		
Number TICs f	found:	1		(µg/L oı	r µg/Kg)	UG/L	
C	AS NUMBER	C	OMPOUND NAM	E	RT EST	.CONC. Q	
1.	······································	Extra Sur	rogate		-14.58	47-17	

EPA SAMPLE NO.

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

PZ-4D

Lab Name: <u>Buck_Environmental_Labs, Inc.</u> Contract:					
Lab Code: <u>10795</u> Case No.: <u>C</u> SF	AS No.:	SDG No.: <u>Bel0207</u>			
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	0204286-02A			
Sample wt/vol: 5 (g/mL) ML	Lab File ID:	0501005.D			
Level: (low/med) LOW	Date Received:	04/19/02			
% Moisture: not dec.	Date Analyzed:	<u>C4/24/02</u>			
GC Column: J&W, DB624 ID: <u>.18</u> (mm)	Dilution Factor:	1.00			
Soil Extract Volume: (µL)	Soil Aliquot Volu	ume (µL)			

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u>UG/L</u>	Q
67-64	-1 Acetone		108	NHB 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	i i	10	; U
95-47	-6 o-Xylene		5	σ

	1 F		EPA SAMPLE NO.		
VOLATILE ORGANICS ANALYSIS DATA SHEET			PZ-4D		
TENTATIVELY IDENTIFIED COMPOUNDS					
Lab Name: <u>Buck Envir</u>	conmental Labs, Inc.	Contract:	_		
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>		
Matrix: (soil/water)	WATER	Lab Sample I	D: 0204286-02A		
Sample wt/vol: 5	(g/mL)	ML Lab File ID:	0501005.D		
Level: (low/med)	LOW	Date Received	d: <u>04/19/02</u>		
% Moisture: not dec.		Date Analyzed	d: $04/24/02$		
GC Column: J&W,DB624	ID: <u>.18</u> (mm)	Dilution Fact	tor: <u>1.00</u>		
Soil Extract Volume:	(µl)	Soil Aliquot	Volume: $\underline{0}$ (µL)		
	CONCENTRATION UNITS:				
Number TICs found:	0	(µg/L or µg/Kg)	UG/L		
CAS NUMBER	COMPOUND N	AME RT	EST.CONC. Q		

VOLATILE ORGANICS ANALYSIS DATA SHEET

PZ-4S

Lab Name: Buck Environ	mental Labs, Inc.Contra	act:	
Lab Code: <u>10795</u>	Case No.: <u>C</u> SAS	No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water) <u>W</u>	ATER	Lab Sample ID:	0204286-01A
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	2201022.D
Level: (low/med) L	<u>wo</u>	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/23/02
GC Column: J&W, DB624	ID: <u>.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µĽ)	Soil Aliquot Volu	ume (µL)

CONCENTRATION UNITS:

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

1F EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET PZ-4S TENTATIVELY IDENTIFIED COMPOUNDS Lab Name: Buck Environmental Labs, Inc. Contract: Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: <u>BEL0207</u> Matrix: (soil/water) WATER Lab Sample ID: 0204286-01A (g/mL) <u>ML</u> Lab File ID: <u>2201022.D</u> Sample wt/vol: 5 Level: (low/med) LOW Date Received: 04/19/02 % Moisture: not dec. Date Analyzed: 04/23/02 GC Column: <u>J&W, DB624</u> ID: <u>.18</u> (mm) Dilution Factor: 1.00 Soil Aliquot Volume: O (µL) (µl) Soil Extract Volume:

Number TI

CONCENTRATION UNITS:

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r 1	ICs found:	2	(µg/L or µg/Kg)	<u>UG/L</u>
	CAS NUMBER	COMPOUND NAME	RT	EST.CONC. Q
Ē	1	Extra Surrogate		47 V2
	2.	Trichlorobenzene Isome:	r 18.93	7

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRENCH B

Lab Name: Buck Environmental Labs, Inc. Contra	act:	
Lab Code: <u>10795</u> Case No.: <u>C</u> SAS	No.:	SDG No.: <u>Bel0207</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	0204286-04A
Sample wt/vol: 5 (g/mL) <u>ML</u>	Lab File ID:	<u>0701007.D</u>
Level: (low/med) LOW	Date Received:	04/19/02
% Moisture: not dec.	Date Analyzed:	04/24/02
GC Column: J&W, DB624 ID: .18 (mm)	Dilution Factor:	1.00
Soil Extract Volume: (µL)	Soil Aliquot Volu	ume(111)

CONCENTRATION UNITS:

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

	1 F			EPA SAMPLE	NO.
	VOLATILE ORGANICS AN TENTATIVELY IDENT			TRENCH B	
Lab Name: Buck Envi		Contrac		4	
10705		CDC No. (
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.: _	5!	DG No.: <u>BEL0207</u>	
Matrix: (soil/water)	WATER		Lab Sample ID:	0204286-04A	
Sample wt/vol: 5	(g/mL)	ML	Lab File ID:	0701007.D	
Level: (low/med)	LOW		Date Received:	04/19/02	
% Moisture: not dec.			Date Analyzed:	04/24/02	
GC Column: J&W,DB624	ID: <u>.18</u> (mm)		Dilution Factor	1.00	
Soil Extract Volume:	(µl)		Soil Aliquot Vo	lume: <u>0</u>	(μL)
	. #	CONCENT	RATION UNITS:		
Number TICs found:	0	(µg/L o:	r µg/Kg)	UG/L	
CAS NUMBER	COMPOUND	NAME	RT ES	ST.CONC. Q	1

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK 4

Lab Name: <u>Buck Env</u>	ironmental Labs, Inc	.Contract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>Bel0207</u>
Matrix: (soil/water) <u>WATER</u>	Lab Sample ID:	0204281-11A
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	<u>1801018.D</u>
Level: (low/med)	LCW	Date Received:	04/19/02
% Moisture: not dec		Date Analyzed:	04/23/02
GC Column: J&W,DB6	24 ID: <u>.18</u> (mm) Dilution Factor:	1.00
Soil Extract Volume	: (µL)	Soil Aliquot Volu	ume(µL)

CONCENTRATION UNITS:

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

		15		_	EPA SAMPLE NO.
	7	VOLATILE ORGANICS ANA TENTATIVELY IDENTIF	_		TRIP BLANK 4
Lab Name:	Buck Environm	ental_Labs, Inc.		L. L	
Lab Code:	10795	Case No.: <u>C</u>	SAS No.:	SDG No	D.: <u>BEL0207</u>
Matrix: (soi	l/water)	WATER		Lab Sample ID:	0204281-11A
Sample wt/vo	51: 5	(g/mL) <u>M</u>	<u>1L</u>	Lab File ID:	1801018.D
Level: (lo	w/med) <u>LOW</u>			Date Received:	04/19/02
<pre>% Moisture:</pre>	not dec.			Date Analyzed:	04/23/02
GC Column:	J&W, DB624	ID: <u>.18</u> (mm)		Dilution Factor:	1.00
Soil Extract	: Volume:	(µl)		Soil Aliquot Volume	e: <u>0</u> (µL)
			CONCENT	RATION UNITS:	
Number TICs	found:	1	(µg/L o	r µg/Kg)	UG/L
(CAS NUMBER	COMPOUND NA		RT EST.CO	DNC. Q

Extra Surrogate

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14.58

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLANK 5

Lab Name: Buck Environmental Labs, Inc. (Contract:	
Lab Code: <u>10795</u> Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water) WATER	Lab Sample ID:	0204286-05A
Sample wt/vol: <u>5</u> (g/mL) <u>ML</u>	Lab File ID:	0401004.D
Level: (low/med) LCW	Date Received:	04/19/02
% Moisture: not dec.	Date Analyzed:	04/24/02
GC Column: <u>J&W,DB624</u> ID: <u>.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (µL)	Soil Aliquot Volu	ume (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/1		Q
67-64-1	Acetone		10		J
71-43-2	Benzene		5		υ
100-41-4	Ethylbenzene	:	5	i	U
75-09-2	Methylene chloride		5		υ
108-98-3	Toluene		5		υ
79-01-6	Trichloroethene		5		
1330-20-7	m,p-Xylene		10	ļ	U
95-47-6	o-Xylene		5	1	<u>u</u>

	1F		EPA SAMPLE NO.	
	VOLATILE ORGANICS ANA TENTATIVELY IDENTIF		TRIP BLANK 5	
Lab Name: <u>Buck Enviror</u>	mental Labs, Inc.	Contract:		
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207	
Matrix: (soil/water)	WATER	Lab Sample	e ID: <u>0204286-05A</u>	
Sample wt/vol: 5	(g/mL) M	Lab File	ID: <u>0401004.D</u>	
Level: (low/med) LO	<u>N</u>	Date Rece	ived: 04/19/02	
% Moisture: not dec.		Date Anal	yzed: 04/24/02	
GC Column: J&W,DB624	ID: <u>.18</u> (mm)	Dilution	Factor: <u>1.00</u>	
Soil Extract Volume:	(µl)	Soil Aliqu	uot Volume: <u>0</u> (µL	,)
	.:	CONCENTRATION UNI	rs:	
Number TICs found:	0	(µg/L or µg/Kg)	<u>UG/L</u>	
CAS NUMBER	COMPOUND NA	ME RT	EST.CONC. Q	

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 technical 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.

No compounds were detected in the method or trip blanks.

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 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-235 / DUP-2	methanol	ND	0.48J	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

	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?	<u>X</u>		
Are the sample numbers included in the narrative?	<u> </u>		
Are the sample chain-of-custodies present?	<u> </u>		
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> X </u>		
<u>Holding Times</u>			
Have any holding times been exceeded?		<u> </u>	
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> </u>	. <u> </u>	
Were matrix spikes analyzed at the required frequency?	<u> </u>		
How many spike recoveries were outside of QC limits?			
0 out of2			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
out of1			
Blanks			
Is the method blank summary form present?	<u> </u>		
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u></u> X		
Has a blank been analyzed at least once every twelve hours for each system used?	<u> </u>		
Do any method/reagent/instrument blanks have positive results?		<u> </u>	
Are there trip/field/rinse/equipment blanks associated with every sample?	<u> </u>		
Do any trip/field/rinse blanks have positive results?		X	
<u>Target Analytes</u>			
ls an organics analysis data sheet present for each of the following:			
Samples	<u> X </u>		
Matrix spikes	<u>X</u>		
Blanks	<u> </u>		

Organic Data Validation Checklist

Organic Data Validation Checklist - Page 2

	YES	NO	NA
Are the chromatograms present for each of the following:			
Samples	<u>X</u>		
Matrix spikes	<u>X</u>	. <u> </u>	<u></u>
Blanks	<u> </u>		
Is the chromatographic performance acceptable?	<u> </u>	·····	
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?	<u> </u>		
<u>Standard Data</u>			
Are the quantitation reports and chromatograms present for the initial and continuing calibration standards?	_ <u></u>		
Initial Calibration			
Are the initial calibration forms present for each instrument used?	_ <u>x</u>		
Are the response factor RSDs or correlation coefficients within acceptable limits?	<u> </u>		
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?	<u> </u>		
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u> </u>		
All %D within acceptable limits?	<u> </u>		<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?		X	
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> X </u>		

Calibration Outliers

Instrument: <u>MSD2</u> Matrix: <u>water</u>

Date	4/26/02	4/29/02	4/29/02			
Time		1041	1627			
	Initial Cal.	Cont. Cal.	ContCal.	Cont. Cal.	Cont. Cal.	Cont. Cal.
	RSD	%D	%D	%D	%D	%D
methanol						
Affected Samples:						
		·				
						_
					<u> </u>	

Corrected Sample Analysis Data Sheets

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

EPA SAMPLE NO.

COLLECTION SUMP

67-56-1	Methanol	· · · · · · · · · · · · · · · · · · ·	1 U
CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/E K
		CONCENTRATION UNIT	25: NEIO
Soil Extract Volume:	(µĽ)	Soil Aliquot Volu	ume(µL)
GC Column: <u>SP-1000</u> ,	1% ID: Pack (mm)	Dilution Factor:	1.00
% Moisture: not dec.		Date Analyzed:	04/29/02
Level: (low/med)	LOW	Date Received:	04/19/02
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	1701017.d
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-03C
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Lab Name: <u>Buck Envir</u>	onmental Labs, Inc.Co	ontract:	

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	1A		EPA SAMPLE NO.
VOLATIL	E ORGANICS ANALYSIS DA	TA SHEET	DUP-2
Lab Name: <u>Buck Envir</u>	onmental Labs, Inc.Con	tract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>0204281-10C</u>
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	<u>1101011.d</u>
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/29/02
GC Column: <u>SP-1000</u> ,	13 ID: Pack (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Vol	ume(µL)
		CONCENTRATION UNIT	es: nell
CAS NO	COMPCUND	(µg/L or µg/Kg)	
67-56-1	Methanol		0.48 J

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1B VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

MW-17R

Lab Name: <u>Buck Envir</u>	onmental Labs, Inc.Co	ontract:	
Lab Code: <u>10795</u>	Case No.: C	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-01C
Sample wt/vol: <u>5</u>	(g/mL) <u>ML</u>	Lab File ID:	0401004.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/29/02
GC Column: <u>SP-1000</u>	1% ID: Pack (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volu	ume(µL)
		CONCENTRATION UNIT	
CAS NO.	COMPOUND	(µg/L or µg/Kg)	UGZPI X Q
67-56-1	Methanol		0.62 J

1A VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

MW-18

. Lab Name: <u>Buck Envir</u>	conmental Labs, Inc.Co	ontract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-02C
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	0501005.d
Level: (low/med)	LOW	Date Received:	04/19/02
<pre>% Moisture: not dec.</pre>		Date Analyzed:	04/29/02
GC Column: <u>SP-1000</u> ,	13 ID: Pack (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volu	ume(µL)
		CONCENTRATION UNIT	s: nall
CAS NO.	COMPOUND	(µg/L or µg/Kg)	
67-56-1	Methanol		0.72 J

		1A			
VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET	

MW-19

Lab Name: Buck Envir	conmental Labs, Inc.Co	ontract:	<u></u>
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG Nc.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-03C
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	<u>1301013.d</u>
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/29/02
GC Column: <u>SP-1000</u> ,	1% ID: Pack (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volu	ume (µL)
		CONCENTRATION UNIT	rs: Norla
CAS NO.	COMPOUND	(µg/L or µg/Kg)	$\frac{1}{100/1}$
67-56-1	Methanol		1U

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MW-23I

67-56-1	Methanol		1 U
CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u>10/1</u> Q
		CONCENTRATION UNIT	s: mall
Soil Extract Volume:	(µL)	Soil Aliquot Volu	ime(µL)
GC Column: <u>SP-1000;</u>	1% ID: Pack (mm)	Dilution Factor:	1.00
१ Moisture: not dec.		Date Analyzed:	04/29/02
Level: (low/med)	LOW	Date Received:	04/19/02
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	0801009.d
Matrix: (soil/water)	WATER	Lab Sample ID:	0204231-05C
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Lab Name: Buck Envir	onmental Labs, Inc.Co	ontract:	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

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		1A		
VOLATILE	ORGANICS	ANALYSIS	DATA	SHEET

MW-23S

67-56-1	Methanol		U
CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u><u>vo/2</u> Q</u>
		CONCENTRATION UNIT	s: nell
Soil Extract Volume:	(µL)	Soil Aliquot Volu	عمد (عدر) (L)
GC Column: <u>SP-1000;</u>	13 ID: Pack (mm)	Dilution Factor:	<u>1.00</u>
% Moisture: not dec.		Date Analyzed:	04/29/02
Level: (low/med)	LOW	Date Received:	04/19/02
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	0701007.d
Matrix: (soil/water)	WATER	Lab Sample ID:	C204281-04C
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Lab Name: Buck Envir	conmental Labs, Inc. C	ontract:	

1A VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

MW-25D

Lab Name: Buck Envir	onmental Labs, Inc. C	ontract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-07C
Sample wt/vol: 5	(g∕ml) <u>ML</u>	Lab File ID:	1401014.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/29/02
GC Column: <u>SP-1000;</u>	1% ID: Pack (mm)	Dilution Factor:	1 <u>.00</u>
Soil Extract Volume:	(µL)	Soil Aliquot Vol	ume(µL)
		CONCENTRATION UNI	IS: Nall
CAS NO.	COMPOUNE	(µg/L or µg/Kg)	
67-56-1	Methanol	······································	1 0

VOLATILE ORGANICS ANALYSIS DATA SHEET

1A

MW-25S

Lab Name: <u>Buck Envir</u>	onmental Labs, Inc.Co	ontract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-06C
Sample wt/vol: 5	(g/mL) ML	Lab File ID:	0901009.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/29/02
GC Column: <u>SP-1000;</u>	1% ID: Pack (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volu	ume(µL)
		CONCENTRATION UNIT	S: $Nel 0$
CAS NO.	COMPCUND	(µg/⊥ or µg/Kg)	<u>UG/E</u> Q
67-56-1	Methanol		1 U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PZ-4D

	00; 1% ID: Pack (mm)	-	_
<pre>% Moisture: not d</pre>		Date Analyzed:	· · · · · · · · · · · · · · · · · · ·
Level: (low/me	d) <u>LOW</u>	Date Received:	04/19/02
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	1601016.d
Matrix: (soil/wat	er) <u>WATER</u>	Lab Sample ID:	
Lab Code: 10795	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207

	1A		EPA SAMPLE NO.
VOLATI	ILE ORGANICS ANALYSI	IS DATA SHEET	PZ-4S
' Lab Name: <u>Buck Envi</u>	ronmental Labs, Inc	.Contract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-01C
Sample wt/vol: <u>5</u>	(g/mL) <u>ML</u>	Lab File ID:	1501015.d
Level: (low/med)	LCW	Date Received:	04/19/02

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

COMPOUND

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

Date Analyzed: 04/29/02

CONCENTRATION UNITS:

1

(µg/L or µg/Kg)

% Moisture: nct dec.

CAS NO.

67-56-1 Methanol

Q

U

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

TRENCH B

Lab Name: Buck Envir	conmental Labs, Inc. Con	tract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-04C
Sample wt/vol: 5	(g/mL) ML	Lab File ID:	<u>1801018.d</u>
Level: (low/med)	LCW	Date Received:	04/19/02
% Moisture: not dec.		Date Analyzed:	04/29/02
GC Column: <u>SP-1000</u> ,	13 ID: Pack (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Vol	ume (µL)
		CONCENTRATION UNIT	s: val
CAS NO.	COMPCUND	(µg/L or µg/Kg)	UG/E
67-56-1	Methanol		1 U

VOLATILE ORGANICS ANALYSIS DATA SHEET TRIP BLANK 4 Lab Name: Buck Environmental Labs, Inc. Contract:		1A		EPA SAMPLE NO.
Lab Code: <u>10795</u> Case No.: <u>C</u> SAS No.: <u>SDG No.: BEL0207</u> Matrix: (soil/water) <u>WATER</u> Lab Sample ID: <u>0204281-11B</u> Sample wt/vol: <u>5</u> (g/mL) <u>ML</u> Lab File ID: <u>1201012.d</u> Level: (low/med) <u>LOW</u> Date Received: <u>04/19/02</u> & Moisture: not dec. Date Analyzed: <u>04/29/02</u> GC Column: <u>SP-1000, 1%</u> ID: <u>Pack</u> (mm) Dilution Factor: <u>1.00</u> Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CONCENTRATION UNITS: <u>UC/F</u> Q	VOLATI	LE ORGANICS ANALYSIS DATA	SHEET	TRIP BLANK 4
Matrix: (soil/water) WATER Lab Sample ID: 0204281-113 Sample wt/vol: 5 (g/mL) ML Lab File ID: 1201012.d Level: (low/med) LOW Date Received: 04/19/02 % Moisture: not dec. Date Analyzed: 04/29/02 GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00 Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CAS NO. COMPOUND (µg/L or µg/Kg) Q	Lab Name: Buck Envir	onmental Labs, Inc. Contr	act:	
Sample wt/vol: 5 (g/mL) ML Lab File ID: 1201012.d Level: (low/med) LOW Date Received: 04/19/02 % Moisture: not dec. Date Analyzed: 04/29/02 GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00 Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CAS NO. COMPOUND (µg/L or µg/Kg) Q	Lab Code: <u>10795</u>	Case No.: <u>C</u> SAS	No.:	SDG No.: <u>BEL0207</u>
Level: (low/med) LOW Date Received: 04/19/02 & Moisture: not dec. Date Analyzed: 04/29/02 GC Column: <u>SP-1000, 1%</u> ID: <u>Pack</u> (mm) Dilution Factor: <u>1.00</u> Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CONCENTRATION UNITS: (µL) CAS NO. COMPOUND (µg/L or µg/Kg) Q	Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-118
<pre>% Moisture: not dec. Date Analyzed: 04/29/02 GC Column: SP-1000, 1% ID: Pack (mm) Dilution Factor: 1.00 Soil Extract Volume: (μL) Soil Aliquot Volume (μL) CONCENTRATION UNITS: CAS NO. COMPOUND (μg/L or μg/Kg) UC/T Q</pre>	Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	1201012.d
GC Column: <u>SP-1000, 13</u> ID: <u>Pack</u> (mm) Dilution Factor: <u>1.00</u> Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UC/T	Level: (low/med)	LOW	Date Received:	04/19/02
Soil Extract Volume: (µL) CONCENTRATION UNITS: (µL) CAS NO. COMPOUND (µg/L or µg/Kg)	% Moisture: not dec.		Date Analyzed:	04/29/02
CONCENTRATION UNITS:	GC Column: <u>SP-1000</u> ,	13 ID: Pack (mm)	Dilution Factor:	1.00
CAS NO. COMPOUND (µg/L or µg/Kg)	Soil Extract Volume:	(µL)	Soil Aliquot Volu	ume (µL)
			CONCENTRATION UNIT	s: mall
			(µg/L or µg/Kg)	<u>UG/5</u> Q

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK 5

Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG Nc.: <u>Bel0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-05B
Sample wt/vol: 5	(g/mL) <u>ML</u>	Lab File ID:	<u>1901019.d</u>
Level: (low/med)	LOW	Date Received:	04/19/02
<pre>% Moisture: not dec.</pre>		Date Analyzed:	04/29/02
GC Column: <u>SP-1000;</u>	1% ID: Pack (mm)	Dilution Factor:	1.00
Soil Extract Volume:	(µL)	Soil Aliquot Volu	ume(µL)
		CONCENTRATION UNIT	s: malp
CAS NO.	COMPOUND	(µg/L or µg/Kg)	<u>v6/4</u> Q
67-56-1	Methanol		1U

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 samples MW-23I and MW-23I RA. Since recoveries for the remaining surrogates were within control limits, no data have been qualified based on the deviations. Surrogates were diluted beyond the range of quantitation in sample TRENCH BDL. 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.

The matrix spike recoveries and relative percent difference between recoveries were within control limits, the matrix spike duplicate recovery was, however, below control limits for aniline. Since the matrix spike and matrix spike blank recoveries were within control limits, no data have been qualified based on the deviation.

9. Field Duplicates

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyle	Sample Result	Duplicate Result	RPD
MW-23S / DUP-2	Aniline	ND	2.5J	NA

ND Not detected.

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

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
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?		<u>X</u>	
Is there a narrative or cover letter present?	<u>X</u>		
Are the sample numbers included in the narrative?		<u> </u>	
Are the sample chain-of-custodies present?	<u> </u>		
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u>X</u>		
<u>Holding Times</u>			
Have any holding times been exceeded?		<u> </u>	
Surrogate Recovery			
Are the surrogate recovery forms present?	<u>X</u>		
Are all the samples listed on the appropriate surrogate recovery form?	<u>X</u>		
Were two or more surrogate recoveries outside of specified limits for any sample or blank?		X	
If yes, were the samples reanalyzed?			X
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	X		
Were matrix spikes analyzed at the required frequency	<u> </u>		
How many spike recoveries were outside of QC limits?			
<u>1</u> out of <u>4</u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
out of			
<u>Blanks</u>			
Is the method blank summary form present?	<u> </u>	<u> </u>	
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	х		
Has a blank been analyzed for each GC/MS system used?	_ <u></u> X		
Do any method/reagent/instrument blanks have positive results?		X	
Are there field/rinse/equipment blanks associated with every sample?		<u> </u>	

Semivolatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
Do any field/rinse blanks have positive results?			<u>X</u>
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?	<u></u>		
Has a DFTPP been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	
Have the ion abundance criteria been met for each instrument used?	<u> </u>		
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u>X</u>		
Matrix spikes	X	<u>-</u>	
Blanks	<u>X</u>		
Has GPC cleanup been performed on all soil/sediment sample extracts?			<u>X_</u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	X		
Matrix spikes	X		
Blanks	<u> </u>		
Is the chromatographic performance acceptable?	_ <u>X</u> _		
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?	<u>X</u>		
Do the samples and standard relative ion intensities agree within 20%?	<u> x </u>		
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?	_ <u>X</u> _		
Are any target compounds listed as TICs?		<u> X </u>	

Semivolatile Organics Data Validation Checklist - Page 3

	YES	NO	<u>NA</u>
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u> </u>		
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?		<u>X</u>	
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	<u> </u>		
<u>Standard_Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u> </u>		
Initial Calibration			
Are the initial calibration forms present for each instrument used?	<u>_x</u>		
Are the response factor RSDs within acceptable limits?	<u> </u>		
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?	<u> </u>		
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u>X</u>		
All %D within acceptable limits?	<u> </u>	·	
Are all RF equal to or greater than minimum requirements?	X		
Are there any transcription/calculation errors in reporting of RF or %D?		<u> </u>	
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?	<u>x</u>		

Semivolatile Organics Data Validation Checklist - Page 4

	YES	<u>NO</u>	NA
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> </u>		

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

Sample ID	Holding - Time*	S	inogate	s*		ln In	ternal S	Standard	ds*	
	Time* 🖃	NBZ		1.1.2	DCB	NPT		Example 1	CRY	
COLLECTION SUMP										
DUP-2							_			
MW-17R										
MW-18										
MW-18 DL										
MW-19										
MW-231				1						
MW-231 RA										
MW-23S										
<u>MW-235 MS</u>										
MW-23S MSD								L		
MW-25D										
MW-25S										
PZ-4D										
PZ-4S										
TRENCH B	·····									
TRENCH B DL		D	D	D						
L										

Surrogates:

NBZ Nitrobenzene-d5 FBP 2-Fluorobiphenyl трн Terphenyl-d14

Internal Standards:

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

Qualifiers: D

Diluted Ţ

Recovery low 1

Recovery high

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

Semivolatile Calibration Outliers

Instrument: <u>MSD1</u> Level: <u>low</u>

Date/Time	4/	30/02	5/01/0	2 0925	5/01/0	2 1654	5/02/0	2 1028		
	Initi	al Cal.	Cont.	Öal.	Con	Cal.	Cont	Cal.	Cor	it. Cal.
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
an i line										
n,n'-dimethylaniline										
Affected Samples:										
	<u> </u>									
			L							

Corrected Sample Analysis Data Sheets

1 C EPA SAMPLE NO. SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET COLLECTION SUMP Lab Name: Buck Environmental Labs, In Contract: Lab Code: <u>10795</u> Case No.: <u>SAS No.:</u> SDG No.: BEL0207 Matrix: (soil/water) WATER Lab Sample ID: 0204286-03B Sample wt/vol: 970 (g/mL) ML Lab File ID: a0301003.d Level: (low/med) LOW Date Received: 04/19/02 % Moisture: Decanted:(Y/N) <u>N</u> Date Extracted: 04/22/02 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/01/02 Injection Volume: $\underline{1}$ (µL) Dilution Factor: 1.00 GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L 0 62-53-3 Aniline 2 2-5. J N,N-Dimethylaniline 5 · U

1G

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

COLLECTION SUMP

Lab Name:	Buck Environme	ental Lab	s, Inc.	Co	ntrac	t:	
Lab Code:	10795	Case No.	: <u>C</u>	SAS N	lo.: _	SDG No	D.: <u>BEL0207</u>
Matrix: (soi	l/water)	WATER				Lab Sample ID:	0204286-033
Sample wt/vo	1:	<u>970</u>	(g/mL)	ML		Lab File ID:	<u>a0301003.d</u>
Level: (lo	w/med) L(WC				Date Received:	04/19/02
<pre> § Moisture: </pre>		Decan	ted:(Y/N)	<u>N</u>		Date Extracted:	04/22/02
Concentrated	Extract Volume	: 	1000	(µl)		Date Analyzed:	05/01/02
Injection Vo	lume: 1	(µl)				Dilution Factor:	1.00
GPC Cleanup:	(Y/N) <u>N</u>	pH:				Extraction: (Type)	
				CO	NCENT	RATION UNITS:	

Number TICs found: 7

(µg/L or	µg/Kg)	UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown (13.835)	13.84	5	
2.	Unknown (14.467)	14.47	б	
3.	Unknown (14.527)	. 14.53	5	
4.	Unknown (15.149)	15.15	5	
5.	Unknown (15.184)	15.18	38	
6.	Unknown (15.328)	15.33	11	·
7.	Unknown (16.785)	16.79	30	

	lC		EPA SAMPLE NO.
SEMIVOLAT	ILE ORGANICS ANALYSIS	DATA SHEET	DUP-2
Lab Name: Buck Envir	conmental Labs, In Cont	ract:	L
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>0204281-10B</u>
Sample wt/vol:	<u>950</u> (g/mL) <u>ML</u>	Lab File ID:	<u>1201012.d</u>
Level: (low/med)	LCW	Date Received:	04/19/02
% Moisture:	Decanted: (Y/N) N	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> Hq	Extraction: (Type)
		CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3			1.3 J
	N,N-Dimethylaniline	1	5 [;] U

1 G	EPA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET	
TENTATIVELY IDENTIFIED COMPOUNDS	
Buck Environmental Labs. Inc. Contract:	

28

DUP-2

Lab Name:	Buck Environm	ental Lab	s, Inc.		Contrac	:t:		
Lab Code:	10795	Case No.	.: <u>C</u>	SA	S No.:		SDG No.:	BEL0207
Matrix: (soil	/water)	WATER				Lab Sample I	D: <u>02</u>	04281-10B
Sample wt/vol	:	<u>950</u>	(g/mL)	ML		Lab File ID:	12	01012.d
Level: (low	/med) L	WO				Date Receive	d: <u>04</u>	/19/02
% Moisture:		Decan	nted:(Y/N)	N		Date Extract	.ed: <u>04</u>	/22/02
Concentrated	Extract Volum	e:	1000	(µl)		Date Analyze	d: <u>05</u>	/01/02
Injection Vol	ume: l	(µl)				Dilution Fac	tor: <u>1.</u>	00
GPC Cleanup:	(Y/N)	Hq M	_			Extraction:	(Type)	
					CONCENT	RATION UNITS:		
Number TICs f	ound: <u>6</u>				(µg/L o	r µg/Kg)	UG/L	
CI	AS NUMBER	:	COMPOUND	NAME		RT	EST.CONC.	Q
1.84	4-64-0	1,2-Ber	nzenedicar	boxylic	ac (13	.: 13.45		4
2.84	4-74-2	1,2-Ber	nzenedicar	boxylic	ac (13	13.85		5
3.		Unknown	n (14.526)			14.53		4
4.		Unknowr	n (15.185)			15.19		35
5.		<u> </u>	n (15.341)			15.34		19

16.79

Unknown (16.787)

б.

	1 D		EPA SAMPLE NO.
SEMIVOLAT	ILE ORGANICS ANALYSIS	DATA SHEET	MW-17R
Lab Name: <u>Buck Envir</u>			
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>
Matrix: (scil/water)	WATER	Lab Sample ID:	0204281-01B
Sample wt/vol:	<u>960</u> (g/mL) <u>ML</u>	Lab File ID:	0301003.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture:	Decanted: (Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>и</u> рн:	Extraction: (Type)	
		CONCEN	TRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		20 123
	N, N-Dimethylaniline		110

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

1G

EPA SAMPLE NO.

MW-17R

Lab Name:	Buck Environm	ental Labs,	, Inc.		Contrac	:t:	
Lab Code:	10795	Case No.:	<u>c</u>	SA	S No.:	SDG	No.: <u>BEL0207</u>
Matrix: (soi	l/water)	WATER				Lab Sample ID:	0204281-01B
Sample wt/vo	1:	960	(g/mL)	ML		Lab File ID:	0301003.d
Level: (lo	w/med) L	DM .				Date Received:	04/19/02
% Moisture:		Decant	ed:(Y/N)	N		Date Extracted:	04/22/02
Concentrated	Extract Volume	e:	1000	(ul)		Date Analyzed:	05/01/02
Injection Vo	lume: 1	(µl)				Dilution Factor:	<u>1.00</u>
GPC Cleanup:	(Y/N) <u>1</u>					Extraction: (Type	<u>)</u>
					CONCENT	RATION UNITS:	
Number TICs	found: <u>2</u>				(µg/L o	or µg/Kg) UC	<u>;/L</u>
	CAS NUMBER		COMPOUND	NAME		RT EST	.CONC. Q

1.100-61-8	Benzenamine, N-methyl-	4.57	12
2.	Unknown	15.19	14

	1C		EPA SAMPLE NO.
SEMIVOLA	MW-18		
Lab Name: Buck Envi	ronmental Labs, In Con	tract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>Belj207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-02B
Sample wt/vol:	<u>990</u> (g/mL) <u>ML</u>	Lab File ID:	0401004.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture:	Decanted:(Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: 1000 (µL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)
		CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline	28	,0 291 275 FI
	N,N-Dimethylaniline	2_0	178-201 FD

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EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

MW-18

Lab Name:	Buck Environm	ental Labs	s, Inc.		Contract	t:		
Lab Code:	<u>10795</u>	Case No.	: <u>c</u>	SA	S No.: _		SDG No.	: BEL0207
Matrix: (soil	/water)	WATER				Lab Sample ID	:	0204281-023
Sample wt/vol	.:	990	(g/mL)	ML		Lab File ID:		0401004.d
Level: (low	/med) L	WO.				Date Received	:	04/19/02
<pre>% Moisture:</pre>		Decan	ted:(Y/N)	<u>N</u>		Date Extracted	d:	04/22/02
Concentrated	Extract Volum	e:	1000	(µl)		Date Analyzed	:	05/01/02
Injection Vol	ume: 1	(µl)				Dilution Facto	or:	1.00
GPC Cleanup:	(Y/N)					Extraction: (S	Type)	
					CONCENTI	RATION UNITS:		
Number TICs f	found: 3				(µg/L o)	r µg/Kg)	UG/L	

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.100-61-8	Benzenamine, N-methyl-	4.56	19	
2.	Unknown (15.193)	15.19	20	
3.	Unknown (16.802)	16.30	28	

Tab Name: Buck Envir	onmental Labs, In Cont:	ract.	MW-18DL
Lap Name. <u>Buck Brivit</u>	onderear habs, in cones		
Lab Code: <u>¥0795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>Bel0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-02B
Sample wt/vol	<u>990</u> (g/mL) <u>ML</u>	Lab File ID:	<u>a1701017.d</u>
Level: (low/mad)	LOW	Date Received:	04/19/02
<pre>% Moisture:</pre>	Decanted: (Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	05/02/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	5.00
GPC Cleanup: (Y/\tilde{N})	м на	Extraction: (Type)
	\backslash	CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u>
62-53-3	Aniline	2	上8() 2 75 」のひ 20 4

1G EPA SAMPLE NO. SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET MW-18DL TENTATIVELY IDENTIFIED COMPOUNDS Lab Name: Buck Environmental Labs, Inc. Contract: . . Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: <u>BEL0207</u> Lab Sample ID: 0204281-02B Matrix: (soil/water) WATER Sample wt/vol: 990 (g/mL) <u>ML</u> Lab File ID: a1701017.d Level: (low/med) LOW Date Received: 04/19/02 Decanted:(Y/N) <u>N</u> Date Extracted: % Moisture: 04/22/02 Concentrated Extract Volume: 1000 (µl) Date Analyzed: 05/02/02 Injection Volume: $(\mu 1)$ Dilution Factor: 5.00 1 Extraction: (Type) GPC Cleanup: (Y/N) N pH: CONCENTRATION UNITS: Number TICs found: (µq/L or µg/Kg) UG/L 1 COMPOUND NAME RT EST.CONC. CAS NUMBER Q : 14.33 ____ Unknown 27 1.

FDA	SAMPLE	NO	
LPA	SAMELE	NU.	

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1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

N,N-Dimethylaniline

SEMIVOLAT	MW-19		
Lab Name: Buck Envir	conmental Labs, In Co	entract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-03B
Sample wt/vol:	<u>970</u> (g/mL) <u>M</u>	L Lab File ID:	0501005.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture:	Decanted:(Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL) Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>м</u> рН:	Extraction: (Type)
		CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		5 U

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	1G			EPA SAMPLE NO.
	SEMIVOLATILE ORGANICS TENTATIVELY IDEN			MW-19
Lab Name: <u>Buck Envir</u>	ronmental Labs, Inc.	Contrac	:t:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No	0.: <u>BEL0207</u>
Matrix: (soil/water)	WATER		Lab Sample ID:	0204281-03B
Sample wt/vol:	<u>970</u> (g/mL)	ML	Lab File ID:	0501005.d
Level: (low/med)	LOW		Date Received:	04/19/02
<pre>% Moisture:</pre>	Decanted:(Y/N)	N	Date Extracted:	04/22/02
Concentrated Extract Vo	lume: 1000	(µl)	Date Analyzed:	05/01/02
Injection Volume:	l (µl)		Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:		Extraction: (Type)	
		CONCENT	RATION UNITS:	
Number TICs found:	<u>3</u>	(µg/L o	r μg/Kg) <u>UG/L</u>	

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.84-69-5	1,2-Benzenedicarboxylic ac	: 13.45		
2.	Unknown (15.194)	15.19	24	
3.	Unknown (16.791)	16.79	26	

4

EPA SAMPLE NO.

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	MW-23I
Matrix: (soil/water) WATER Lab Sample ID: G Sample wt/vol: 950 (g/mL) ML Lab File ID: G Level: (low/med) LOW Date Received: G % Moisture: Decanted: (Y/N) N Date Extracted: G Concentrated Extract Volume: 1000 (µL) Date Analyzed: G Injection Volume: 1 (µL) Dilution Factor: 1	
Sample wt/vol: 950 (g/mL) ML Lab File ID: G Level: (low/med) LOW Date Received: G % Moisture: Decanted: (Y/N) N Date Extracted: G Concentrated Extract Volume: 1000 (µL) Date Analyzed: G Injection Volume: 1 (µL) Dilution Factor: 1	SDG No.: BEL0207
Level: (low/med) LOW Date Received: O % Moisture: Decanted: (Y/N) N Date Extracted: O % Moisture: Decanted: (Y/N) N Date Extracted: O Concentrated Extract Volume: 1000 (µL) Date Analyzed: O Injection Volume: 1 (µL) Dilution Factor: 1	0204281-05B
% Moisture: Decanted: (Y/N) N Date Extracted: O Concentrated Extract Volume: 1000 (µL) Date Analyzed: O Injection Volume: 1 (µL) Dilution Factor: 1	0701007.d
Concentrated Extract Volume: <u>1000</u> (µL) Date Analyzed: <u>(</u> Injection Volume: <u>1</u> (µL) Dilution Factor: <u>1</u>	04/19/02
Injection Volume: <u>1</u> (µL) Dilution Factor: <u>1</u>	04/22/02
	05/01/02
GPC Cleanup: (Y/N) N pH: Extraction: (Type)	1.00
CONCENT	RATION UNITS:
CAS NO. COMPOUND (ug/L o.	гµg/Kg) <u>UG/L</u> Q

62-53-3	Aniline	5	U
	N,N-Dimethylaniline	 5	U i

			1G			EPA SAMPLE NO.
	SEI			ANALYSIS DATA		MW-23I
		IENIALIVED.	I IDENI	IFIED COMPOUND	55	
Lab Name:	Buck Environm	ental Labs, 1	Inc.	Contrac	t:	
Lab Code:	10795	Case No.:	Ç	SAS No.:	SDG N	o.: <u>BEL0207</u>
Matrix: (soi	1/water)	WATER			Lab Sample ID:	0204281-05B
Sample wt/vo	pl:	<u>950</u> (g	g∕mī)	ML	Lab File ID:	0701007.d
Level: (lo	w/med) L	OW			Date Received:	04/19/02
% Moisture:		Decanted	:(Y/N)	N	Date Extracted:	04/22/02
Concentrated	l Extract Volum	e: 100	00	(µ1)	Date Analyzed:	05/01/02
Injection Vo)lume: 1	(µl)			Dilution Factor:	1.00
GPC Cleanup:	(Y/N)				Extraction: (Type)	
				CONCENT	RATION UNITS:	

Number TICs found: 2

(µg/L or µg/Kg) <u>UG/L</u>

CAS NUMBE		OMPOUND NAME		RT :	EST.CONC.	0
1.	Unknown (15.19	1.7	×
2.	Unknown (1	16.784)	1	16.78 .	14	

	1C		EPA SAMPLE NO.
SEMIVOLAT	ILE ORGANICS ANALYSIS DAT	A SHEET	MW-23I
Lab Name: <u>Buck Envir</u>	conmental Labs, In Contrac	ct:	
Lab Code: <u>10795</u>	Case No.: C SA	S No.:	SDG No.: <u>BEL0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-05B
Sample wt/vol:	<u>950</u> (g/mL) <u>ML</u>	Lab File ID:	a0201002.d
Level: (low/med)	TOM	Date Received:	04/19/02
<pre>% Moisture:</pre>	Decanted: (Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: $1000 (\mu L)$	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)	
		CONCEN	TRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3			5 U
	N,N-Dimethylaniline		5 U

			1G					EPA SAM	IPLE NO.
		SEMIVOLATILE TENTATI	E ORGANICS VELY IDEN:					MW	-23I RA
Lab Name	: Buck Envir	conmental Lab	s, Inc.		Contrac	t:			
Lab Code	: 10795	Case No.	: <u>c</u>	SA	S No.: _		SDG N	o.: <u>BEI</u>	.0207
Matrix:	(soil/water)	WATER				Lab Samp	ple ID:	0204281	<u>-05B</u>
Sample w	t/vol:	950	(g/mL)	ML		Lab File	e ID:	<u>a020100</u>	12.d
Level:	(low/med)	LOW				Date Red	ceived:	04/19/0	2
% Moistu	re:	Decan	ted:(Y/N)	N		Date Ext	cracted:	04/22/0	2
Concentr	ated Extract Vo	lume:	1000	(µl)		Date Ana	alyzed:	05/01/0	2
Injection	n Volume:	1 (µl)				Dilutior	n Factor:	1.00	
GPC Clear	nup: (Y/N)	<u>N</u> pH:				Extracti	ion: (Type)		
					CONCENT	RATION UN	VITS:		
Number T	ICs found:	2			(µg/L o	r µg∕Kg)	UG/L		
-	CAS NUMBER		COMPOUND	NAME		RT	EST.CO	DNC.	Q
	1.301-02-0	9-Octad	ecenamide	(Z)-		15.1		18	
	2	Unknown				16.79)	15	

	1C		EPA SAMPLE NO.
SEMIVOLAT	ILE ORGANICS ANALYSIS DA	ATA SHEET	MW-235
Lab Name: <u>Buck Envir</u>	onmental Labs, In Contr	act:	L
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>Bel0207</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-04B
Sample wt/vol:	<u>940</u> (g/mL) <u>ML</u>	Lab File ID:	0601006.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture:	Decanted: (Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u></u> :Нд <u>И</u>	Extraction: (Type))
		CONCEN	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		5 U
	N,N-Dimethylaniline		<u>5</u> U

1G SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW-23S

Lab Name:	Buck Environme	ntal Labs	, Inc.		Contract	t:	
Lab Code:	10795	Case No.	: <u>C</u>	SA	S No.: _	SDG NG	D.: <u>BEL0207</u>
Matrix: (soil	/water)	WATER				Lab Sample ID:	0204281-04B
Sample wt/vol	.:	940	(g/mL)	ML		Lab File ID:	0601006.d
Level: (low	/med) LO	Ŵ				Date Received:	04/19/02
<pre>% Moisture:</pre>		Decant	ed:(Y/N)	<u>N</u>		Date Extracted:	04/22/02
Concentrated	Extract Volume	:	1000	(µ1)		Date Analyzed:	05/01/02
Injection Vol	ume: 1	(µl)				Dilution Factor:	1.00
GPC Cleanup:	(Y/N) <u>N</u>	pH:				Extraction: (Type)	
					CONCENTE	RATION UNITS:	
Number TICs f	found: <u>4</u>				(µg/L or	μg/Kg) <u>UG/L</u>	
C	AS NUMBER		COMPOLIND	NAME		PT FST CC	NC

CAS NUMBER	COMPOUND NAME	RT ES	ST.CONC. Q
1.	Unknown (15.19)	15.19	27
2.	Unknown (15.346)	15.35	18
3.	Unknown (16.315)	16.32	10
4.	Unknown (16.804)	16.80	22

	1C		EPA SAMPLE NO.
SEMIVOLAT	ILE ORGANICS ANALYSIS	DATA SHEET	MW-25D
Lab Name: Buck Envir	conmental Labs, In Con	tract:	L
Lab Code: <u>10795</u>	Case No.: C	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	0204281-07B
Sample wt/vol:	<u>985</u> (g/mL) <u>ML</u>	Lab File ID:	<u>0901009.d</u>
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture:	Decanted:(Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type	•)
		CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(ug/I	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		5 <u></u> U
	N.N-Dimethylaniline		5 : 0

1G

EPA SAMPLE NO.

27

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

MW-25D

Lab Name:	Buck Envi	ronmen	tal Labs	, Inc.		Contract	t:			
Lab Code:	10795		Case No.	: <u>C</u>	SA	S No.: _		SDG No	.: <u>BE</u>	L0207
Matrix: (soil/water)	:	WATER				Lab Sample	ID:	020428	<u>31-07B</u>
Sample wt	/vol:		<u>935</u>	(g/mL)	ML		Lab File II):	090100)9.d
Level:	(low/med)	LOW	r				Date Receiv	red:	04/19/	<u>′02</u>
% Moistur	e:		Decant	ed:(Y/N)	<u>N</u>		Date Extrac	red:	04/22/	02
Concentra	ted Extract Vo	olume:		1000	(µl)		Date Analyz	ed:	05/01/	02
Injection	Volume:	1	(µl)				Dilution Fa	lctor:	1.00	
GPC Clean	up: (Y/N)	N	pH:				Extraction:	(Type)		
						CONCENT	RATION UNITS	:		
Number TI	Cs found:	6				(µg/L or	r µg/Kg)	UG/L		
i	CAS NUMBER			COMPOUND	NAME		RT	EST.CO	NC.	Q
			Unknown	(14.471)			14.47		6	1
	2.		Unknown	(15.173)		······································	15.17	····	5	
	3.	- 7	Unknown	(15.209)			15.21		24	1
	1.		Unknown	(15.352)			15.35		17	1 ,
	5.	,	Unknown	(16.317)			16.32		12	1

Unknown (16.818)

6.

16.82

	1C			EPA SAMPLE NO.
SEMIVOLAT	Mw-25s			
Lab Name: <u>Buck Envir</u>	onmental Labs, In	Contract	_:	L
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS	No.:	SDG No.: <u>Bel0207</u>
Matrix: (soil/water)	WATER		Lab Sample ID:	<u>0204281-06B</u>
Sample wt/vol:	<u>990</u> (g/mL)	ML	Lab File ID:	0801008.d
Level: (low/med)	LOW		Date Received:	04/19/02
% Moisture:	Decanted: (Y/N)	<u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (μL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)		Dilution Factor	: <u>1.00</u>
GPC Cleanup: (Y/N)	<u>N</u> pH:		Extraction: (Ty	rpe)
			CON	CENTRATION UNITS:
CAS NO.	COMPOUND		(µg	/L or µg/Kg) <u>UG/L</u> Q
62-53-3				5 U
	N,N-Dimethylanili	ne		5 U

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1G

EPA SAMPLE NO.

18

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19

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

MW-25S

Lab Name:	Buck Environme	ntal Labs	, Inc.		Contract	t:	_		
Lab Code:	<u>10795</u>	Case No.:	<u>C</u>	SA	S No.: _		SDG No	.: <u>BE</u> I	0207
Matrix: (soi	l/water)	WATER				Lab Sample I	D:	0204281	-06B
Sample wt/vo	1:	990	(g/mL)	ML		Lab File ID:		0801008	.d
Level: (lo	w/med) LC	W				Date Receive	d:	04/19/0	2
% Moisture:		Decant	ed:(Y/N)	N		Date Extract	ed:	04/22/0	2
Concentrated	Extract Volume	:	1000	(µl)		Date Analyze	d:	05/01/0	2
Injection Vo	lume: 1	(µl)				Dilution Fac	tor:	1.00	
GPC Cleanup:	(Y/N) <u>N</u>	:Hq	<u>. </u>			Extraction:	(Type)		
					CONCENTE	RATION UNITS:			
Number TICs	found: <u>4</u>				(µg/L or	r µg/Kg)	UG/L		
(CAS NUMBER		COMPOUND	NAME		RT	EST.COM	VC.	Q
1.2	2489-86-3	Naphthal	ene, 1-(2	2-prope	nyl	12.17		6	

Unknown (15.211)

Unknown (15.355)

Unknown (16.811)

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2.

3.

4.

15.21

15.36

16.81

	1C		EPA SAMPLE NO.
SEMIVOLAT	P2-4D		
Lab Name: <u>Buck Envi</u>	conmental Labs, In Con	ntract:	L
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: BEL0207
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-02B
Sample wt/vol:	<u>990</u> (g/mL) <u>M</u>	Lab File ID:	1401014.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture:	Decanted:(Y/N) <u>N</u>	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	<u>1.00</u>
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)
		CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		5 U
	N,N-Dimethylaniline	:	5 I U

			1G			EPA SAMPLE NO.
	P2-4D					
Lab Name: <u>B</u>	Buck Environme	ntal Labs	s, Inc.	Contrac	:t:	
Lab Code: <u>1</u>	.0795	Case No.	: <u>c</u>	SAS No.:	SDG N	0.: <u>BEL0207</u>
Matrix: (soil/	water)	WATER			Lab Sample ID:	0204286-02B
Sample wt/vol:		990	(g/mL)	ML	Lab File ID:	1401014.d
Level: (low/	med) LC	W			Date Received:	<u>C4/19/02</u>
% Moisture:		Decan	ted:(Y/N)	N	Date Extracted:	04/22/02
Concentrated E	xtract Volume	:	1000	(µl)	Date Analyzed:	05/01/02
Injection Volu	me: 1	(µl)			Dilution Factor:	1.00
GPC Cleanup:	(Y/N) <u>N</u>	pH:			Extraction: (Type)	
				CONCENT	RATION UNITS:	
Number TICs fo	und: 3			(µg/L c	er μg/Kg) <u>UG/L</u>	
CAS	S NUMBER		COMPOUND	NAME	RT EST.C	ONC. Q

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	Unknown (15.184)	15.18	32	
2.	Unknown (15.327)	15.33	10	
3.	Unknown (16.78)	16.78	28	

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	1C		EPA SAMPLE NO.
SEMIVOLAT	PZ-4S		
Lab Name: Buck Envir	conmental Labs, In Cont	cract:	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL</u> 02 <u>07</u>
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-01B
Sample wt/vol:	<u>940</u> (g/mL) <u>ML</u>	Lab File ID:	1301013.d
Level: (low/med)	LOW	Date Received:	04/19/02
% Moisture:	Decanted:(Y/N) N	Date Extracted:	04/22/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	05/01/02
Injection Volume:	<u>1</u> (µĽ)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)
		CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3		·	8 8.32
	N,N-Dimethylaniline		5 U

1	1	G	
	-	-	

EPA SAMPLE NO.

PZ-4S

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	Buck Environm	ental Lab	s, Inc.		Contrac	:t:	
Lab Code:	10795	Case No.	: <u>c</u>	SA	S No.:	SDG N	o.: <u>BEL0207</u>
Matrix: (soi	l/water)	WATER				Lab Sample ID:	0204286-018
Sample wt/vo	1:	940	(g/mL)	ML		Lab File ID:	1301013.d
Level: (lo	w/med) L	W				Date Received:	04/19/02
<pre>% Moisture:</pre>		Decan	ted:(Y/N)	N		Date Extracted:	04/22/02
Concentrated	Extract Volume	è:	1000	(µl)		Date Analyzed:	05/01/02
Injection Vo	lume: 1	(µl)				Dilution Factor:	1.00
GPC Cleanup:	(Y/N) <u>1</u>	<u>1</u> pH:				Extraction: (Type)	
					CONCENT	RATION UNITS:	
Number TICs	found: <u>5</u>				(µg/L o	r µg/Kg) <u>UG/L</u>	<u>'</u>

CAS NUMBER

COMPOUND	NAME	1	RT	EST.CONC.
		1		
10 5571			0 56	2

·				
1.	Unknown (8.557)	8.56	25	
2.	Unknown (14.471)	14.47	4	
3.	Unknown (15.199)	15.20	24	:
4.	: Unknown (15.342)	15.34	10	
5.	Unknown (16.799)	16.80	13	

	EPA SAMPLE NO.			
SEMIVOLAT	TRENCH B			
Lab Name: Buck Envir	conmental Labs, In Co	ntract:	L	
Lab Code: <u>10795</u>	Case No.: <u>C</u>	SAS No.:	SDG No.: <u>BEL0207</u>	
Matrix: (soil/water)	WATER	Lab Sample ID:	0204286-04B	
Sample wt/vol:	<u>965</u> (g/mL) <u>M</u>	L Lab File ID:	a0401004.d	
Level: (low/med)	LOW	Date Received:	04/19/02	
% Moisture:	Decanted: (Y/N) <u>N</u>	Date Extracted:	04/22/02	
Concentrated Extract	Volume: <u>1000</u> (µL) Date Analyzed:	05/01/02	
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00	
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type	2)	
		CONCE	ENTRATION UNITS:	
CAS NO.	COMPOUND	(µg/I	Lorµg/Kg) <u>UG/L</u> Q	
62-53-3			0 1170 1290 H	
·	N,N-Dimethylaniline	<u> </u>	2 +1-6	

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

TRENCH B

Lab Name:	Buck Environme	ental Labs,	, <u>Inc.</u>	Contrac	:t:	
Lab Code:	10795	Case No.:	<u>C</u>	SAS No.:	SDG No	D.: <u>BEL0207</u>
Matrix: (soi	l/water)	WATER			Lab Sample ID:	<u>0204286-04B</u>
Sample wt/vo	1:	965	(g/ml)	ML	Lab File ID:	a0401004.d
Level: (lo	w/med) LO	WC			Date Received:	04/19/02
<pre>% Moisture:</pre>		Decant	ed:(Y/N)	N	Date Extracted:	04/22/02
Concentrated	Extract Volume	:	1000	(µl)	Date Analyzed:	05/01/02
Injection Vo.	lume: 1	(µl)			Dilution Factor:	1.00
GPC Cleanup:	(Y/N) <u>N</u>	pH:			Extraction: (Type)	

CONCENTRATION UNITS:

Number TICs found:

18

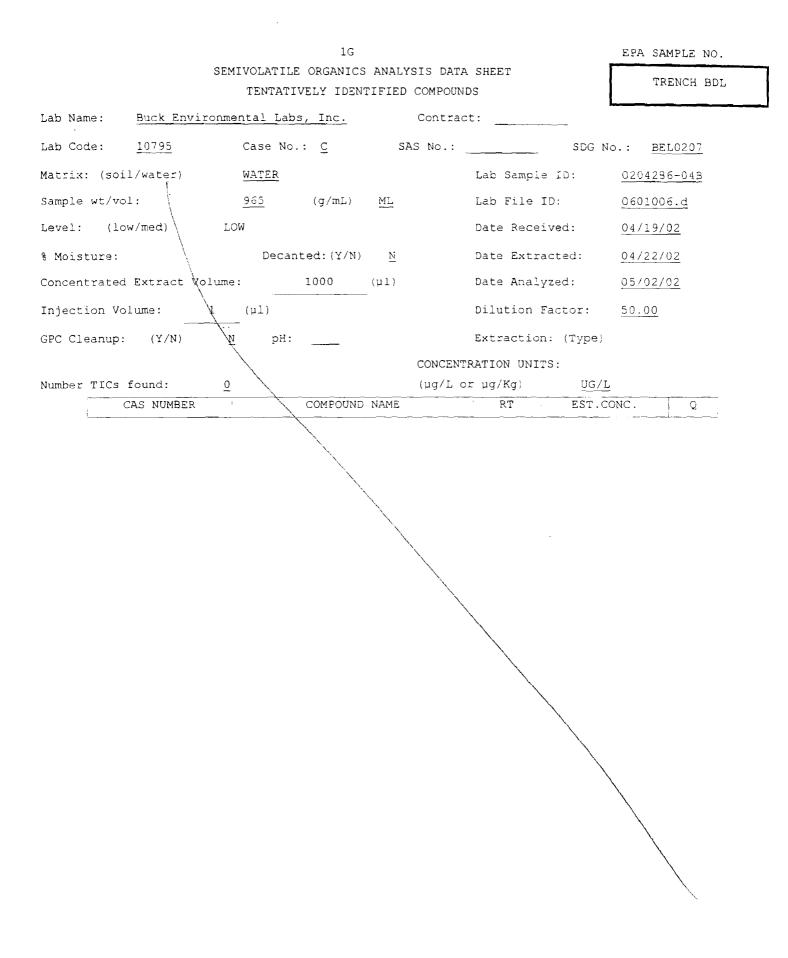
(µg/⊥ or µg/Kg)

g) <u>UG/L</u>

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.488-23-3	Benzene, 1,2,3,4-tetrameth	5.14	6	
2.527-53-7	Benzene, 1,2,3,5-tetrameth	5.20	5	
3.824-22-6	1H-Indene, 2,3-dihydro-4-m	5.70	7	
4.	Unknown (6.078)	6.08	4	
5.1685-82-1	1H-Indene, 2,3-dihydro-4,6	6.40	5	
6.	Methylnaphthalene Isomer	8.61	21	
7.101-83-7	Cyclohexanamine, N-cyclohe	10.32	18	
8.	Dimethylnaphthalene Isomer (10.	10.44	7	
9.939-27-5	Naphthalene, 2-ethyl-	10.70	5	
10.	Dimethylnaphthalene Isomer (10.	10.83	5	
11.	Trimethylnaphthalene Isome	11.72	5	
12.86-73-7	9H-Flucrene	12.06	4	•
13.643-58-3	1,1'-Biphenyl, 2-methyl-	12.17	7	
14.7320-53-8	Dibenzofuran, 4-methyl-	12.40	8	
15.	Unknown (12.902)	12.90	16	
16.10544-50-0	Sulfur, mol_(S8)	14.02	250	
17.	Unknown (15.198)	15.20	41	
18.	Unknown (16.907)	16.81	27	

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TRENCH BDL Lab Name: Buck Environmental Labs, In Contract: TRENCH BDL Lab Code: 10795 Case No.: C SAS No.: SDG No.: BEL0207 Matrix: (soil/water) WATER Lab Sample ID: 0204286-04B Sample wt/vol: 965 (g/mL) ML Lab File ID: 0601006.d Level: (low/met) LOW Date Received: 04/19/02	1C	EPA SAMPLE NO.
Lab Code: 10795 Case No.: C SAS No.: SDG No.: BEL0207 Matrix: (soil/water) WATER Lab Sample ID: 0204286-04B Sample wt/vol: 965 (g/mL) ML Lab File ID: 0601006.d		TRENCH BDL
Matrix: (soil/water) WATER Lab Sample ID: 0204286-04B Sample wt/vol: 965 (g/mL) ML Lab File ID: 0601006.d	ab Name: Buck Environmental Labs, In Contract:	
Sample wt/vol: <u>965</u> (g/mL) <u>ML</u> Lab File ID: <u>0601006.d</u>	ab Code: <u>10795</u> Case No.: <u></u> SAS No.: SI	SDG No.: <u>BEL0207</u>
	atrix: (soil/water) WATER Lab Sample ID: 02	0204286-04B
Level: (low/met) LOW Date Received: 04/19/02	ample wt/vol: <u>965</u> (g/mL) <u>ML</u> Lab File ID: <u>0</u> 0	0601006.d
	evel: (low/med) <u>LOW</u> Date Received: <u>04</u>	04/19/02
<pre>% Moisture: Decanted: (Y/N) N Date Extracted: 04/22/02</pre>	Moisture: \underline{N} Decanted: (Y/N) <u>N</u> Date Extracted: <u>O</u>	04/22/02
Concentrated Extract Volume: <u>1000</u> (μ L) Date Analyzed: <u>05/02/02</u>	oncentrated Extract Volume: <u>1000</u> (μ L) Date Analyzed: <u>05</u>	05/02/02
Injection Volume: $\sqrt{1}$ (µL) Dilution Factor: <u>50.00</u>	njection Volume: $\sqrt{1}$ (µL) Dilution Factor: 50	50.00
GPC Cleanup: $(Y/N) \xrightarrow{N} $ pH: Extraction: (Type)	PC Cleanup: $(Y/N) \xrightarrow{N} $ $p_{H}:$ Extraction: (Type)	
CONCENTRATION UNITS:	CONCENTR	TRATION UNITS:
CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q		or µg/Kg) <u>UG/L</u> Q
62-53-3 Aniline 300 1280 N, N-Dimethylaniline 260 U		

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Chain of Custody



6723 Towpath Road, P.O. Box 66 Syracuse, New York 13214-0066 020-1281

CHAIN OF CUSTODY RECORD TEL: (315) 446-9120 PROJ. NO. PROJECT NAME HUNDON CONTINUE 8260 Mikesson - Bear Sheet 260.03 SAMPLERS: (Signature) Jerry Shi COMP. STA. NO. DATE TIME GRAB STATION LOCATION REMARKS *For all HW-18 samples, the sampling time revorded on bottes was 9:50. 6 2 2 2 418/02/210 X MW-17R 6 HW- 18 # 4118/02 1010 However, the actual rawpling fine 6 4/18/02/16/15 MW - 19was 10:10, HW -235 4/18/02/1040 6 · Category B deliverables for all manyles (VOCS, SVOCS, alcohol) 6 HW-23[4/18/02 1500 MW-255 G 4/18/02/450 • Trip blank - 40 (optional) - sangele only if other TB are broken HW-25D 6 418/02/615 6 4/18/02 1040 HW- 23 MS · Contact Margaret Slewanides With quertions 6 MW-23MSD 4/18/02 1040 Dup-2 Trip blank-4V Trip blank-4A Trip blank-40 418/02 ¢ 6 V 41804 418 04 418/2 Relinquished by: (Signature) DATE TIME Received by: (Signature) Relinguished by: (Signature) DATE TIME Relinguished by: (Signature) 418 7 1725 DATE, TIME Received by: (Signature) Relinguished by: (Signature Relinguished by: (Signature) DATE TIME Relinquished by: (Signature) $\langle \cdot \rangle$ 18/02 1725 DATE TIME Received for Laboratory by: DATE TIME Relinguished by: (Signature) Remarks: COOLSE #1 7.5 TRIPBLANK 4-0 Broken -(Signature) 10 10 15 Cooler # 2 7,5 · MW-235 MS VOC Brek 4/19/02 Smiling E. Tormer

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files



CHAIN OF CUSTODY RECORD

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, , ,			+ Train Black - 50 Joke
			hanneled only if other trip
			* Trip Blank - 50 do ke sampled only if oblin trip plank are broken.
(Signature)	Relinquished I	by: (Signature)	DATE TIME Relinquished by: (Signature)
	Relinquished	by: (Signature)	DATE TIME Relinquished by: (Signature)
	(Signature)	(Signature) Relinquished	(Signature) Relinquished by: (Signature)

C

DATA REVIEW FOR

MCKESSON - BEAR STREET SITE

SDG# BEL02013

SEMIVOLATILE ANALYSES

Analyses performed by:

Buck Environmental Laboratories, Inc. Cortland, New York

Review performed by:



Blasland, Bouck & Lee, Inc. Syracuse, New York

<u>Summary</u>

The following is an assessment of the data package for SDG # BEL0213 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 Ma		Matrix	Sample	Analysis Method				
			Date	8260	8015	8270 ¹		
PZ-4S	0206223-01A	water	6/18/02			x		
<u>MW-24DR</u>	0206223-02A	water	6/18/02			X		
MW-245R	0206223-03A	water	6/18/02			×		
<u>MW-18</u>	0206223-04A	water	6/18/02			x		
MW-17R ²	0206223-05A	water	6/18/02			x		
DUP-1	0206223-06A	water	6/18/02			X		
·								
		<u></u>						

compounds include: aniline and $N,N^\prime\text{-}dimethylaniline MS/MSD analyses performed on sample$ 1

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 above control limits in the method blank. Since recoveries for the remaining surrogates were within control limits, no data have been qualified based on the deviation. 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.

The matrix spike and matrix spike duplicate recoveries were slightly below control limits for aniline. Since all other matrix spike recoveries were within control limits and since all matrix spike blank recoveries were within control limits, no data have been qualified based on the deviation.

9. Field Duplicates

Results for duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-17R / DUP-1	ND			NA

ND Not detected.

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

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?		<u> </u>	
Is there a narrative or cover letter present?	<u> </u>		
Are the sample numbers included in the narrative?	<u> </u>		
Are the sample chain-of-custodies present?	<u> </u>		
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?		<u> </u>	
<u>Holding Times</u>			
Have any holding times been exceeded?		X	
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	_ <u>X</u>		
Are all samples listed on the surrogate recovery form?	<u>X</u>		
Were two or more surrogate recoveries outside control limits for any sample or blank?		_ <u>X_</u>	
If yes, were the samples reanalyzed?			X
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u>X</u>		
Were matrix spikes analyzed at the required frequency	X	<u> </u>	
How many spike recoveries were outside of QC limits?			
<u>2</u> out of <u>4</u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
out of			
<u>Blanks</u>			
Is the method blank summary form present?	_ <u>x</u> _		
Has a method blank been extracted 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/instrument blanks have positive results?		<u> </u>	
Are field/rinse blanks associated with every sample?		<u> </u>	
Do any field/rinse blanks have positive results?			<u> </u>
Tuning and Mass Calibration			
Are the GC/MS tuning forms present for DFTPP?	v		

Semivolatile Organics Data Validation Checklist - Page 2

	YES	NO	NA_
Are the bar graph spectrum and mass/charge listing provided for each DFTPP?	_ <u>X</u> _		
Has a DFTPP been analyzed for each twelve hours of analysis per instrument?	_ <u>_X</u>		
Have the ion abundance criteria been met for each instrument used?	<u>x</u>	<u>-</u>	
Target Analytes			
ls an organics analysis data sheet present for each of the following:			
Samples	<u> </u>		
Matrix spikes	<u> </u>		
Blanks	<u>X</u>		
Has GPC cleanup been performed on all soil/sediment sample extracts?		<u> </u>	_ <u>_</u> X
Are the reconstructed ion chromatograms present for each of the following:			
Samples	_X_		
Matrix spikes			
Blanks	X		<u> </u>
Is the chromatographic performance acceptable?	_ <u>X</u>		
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?	х		
Do the samples and standard relative ion intensities agree within 20%?			
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?			<u> </u>
Are the mass spectra for the tentatively identified compounds and their "best match" spectra present?			<u>X</u>
Are any target compounds listed as TICs?			<u> </u>
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the			X
sample mass spectrum?			<u> </u>
Do the TIC and "best match" spectrum agree within 20%?			<u> </u>

Semivolatile Organics Data Validation Checklist - Page 3

	YES	NO	<u>NA</u>
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?	<u> </u>		
Initial Calibration			
Are the initial calibration forms present for each instrument used?	<u> </u>		
Are the response factor RSDs within acceptable limits?	<u> X </u>		
Are the average RRF equal to or greater than minimum requirements?	<u> </u>		
Are there any transcription/calculation errors in reporting the RRF or RSD?		<u>x</u>	
Continuing Calibration			
Are the continuing calibration forms present for each day and each instrument?	<u> </u>		
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	_ <u>X_</u>		
All %D within acceptable limits?	_X		
Are all RF equal to or greater than minimum requirements?	<u> X </u>		
Are there any transcription/calculation errors in reporting of RF or %D?		X	<u>_</u> .
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?	<u>X</u>		
Field Duplicates			
Were field duplicates submitted with the samples?	<u> </u>		

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

Sample ID	Holding Time*	S	urrogate	s*		i	iternal S	itandard	5*	
	Time* .	NBZ	FBP	ТРН	DCB	NPT	ANT	PHN	CRY	PRY
PZ-4S										
MW-24DR										
MW-24SR										
MW-18										
MW-17R										
MW-17R_MS										
MW-17R_MSD					 					<u> </u>
DUP-1								 		\vdash
										<u> </u>
					 					ļ
										<u> </u>
		<u> </u>								
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						L				

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:

1

D Diluted

I Recovery low

Recovery high

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

Semivolatile Calibration Outliers

Instrument: <u>MSD1</u> Level: <u>low</u>

Date/Time	6/26/02		7/08/02 1410 Cont, Cal.							
					Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
aniline										
n,n'-dimethylaniline	·						ļ			
Affected Samples:										

Corrected Sample Analysis Data Sheets

	EPA SAMPLE NO.			
SEMIVOLAT	ILE ORGANICS ANALYSIS DA	ATA SHEET	PZ-4S	
Lab Name: Buck Envir	conmental Labs, In Contra	act:		
Lab Code: <u>10795</u>	Case No.: <u>BLASLAND</u> S	SAS No.:	SDG No.: <u>BEL0213</u>	
Matrix: (soil/water)	WATER	Lab Sample ID:	0206223-01A	
Sample wt/vol:	<u>940</u> (g/mL) <u>ML</u>	Lab File ID:	a0801008.d	
Level: (low/med)	LOW	Date Received:	06/19/02	
% Moisture:	Decanted: (Y/N) <u>N</u>	Date Extracted:	06/20/02	
Concentrated Extract	Volume: 1000 (µL)	Date Analyzed:	06/26/02	
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00	
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)	SEPF	
		CONCEN	TRATION UNITS:	
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q	
62-53-3	Aniline		5U	
121-69-7	N,N-Dimethylaniline		5 U	

	1C		EPA SAMPLE NO.
SEMIVOLAT	MW-24DR		
Lab Name: Buck Envir	onmental Labs, In Cont	cract:	L
Lab Code: <u>10795</u>	Case No.: BLASLAND	SAS No.:	SDG No.: BEL0213
Matrix: (soil/water)	WATER	Lab Sample ID:	0206223-02A
Sample wt/vol:	<u>970</u> (g/mL) <u>ML</u>	Lab File ID:	a0901009.d
Level: (low/med)	LOW	Date Received:	06/19/02
<pre>% Moisture:</pre>	Decanted: (Y/N) <u>N</u>	Date Extracted:	06/20/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	06/26/23
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)	SEPF
		CONCEN	TRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or μg/Kg) <u>UG/L</u> Q

62-53-3	Aniline	5	U
121-69-7	N,N-Dimethylaniline	5	U

<u>.</u>

	EPA SAMPLE NO.			
SEMIVOLAT	ILE ORGANICS ANALYSIS D	DATA SHEET	MW-24SR	
Lab Name: Buck Envir	conmental Labs, In Conti	ract:		
Lab Code: <u>10795</u>	Case No.: BLASLAND	SAS No.:	SDG No.: BEL0213	
Matrix: (soil/water)	WATER	Lab Sample ID:	0206223-03A	
Sample wt/vol:	<u>940</u> (g/mL) <u>ML</u>	Lab File ID:	a1001010.d	
Level: (low/med)	LOW	Date Received:	06/19/02	
<pre>% Moisture:</pre>	Decanted:(Y/N) <u>N</u>	Date Extracted:	06/20/02	
Concentrated Extract	Volume: $1000 (\mu L)$	Date Analyzed:	06/26/02	
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00	
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)	SEPF	
		CONCEN	TRATION UNITS:	
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q	
62-53-3			5 U	
121-69-7	N,N-Dimethylaniline		5 U	

1C

	1C		EPA SAMPLE NO.
SEMIVOLAT	ILE ORGANICS ANALYSIS	DATA SHEET	MW-18
Lab Name: Buck Envir	conmental Labs, In Con	tract:	
Lab Code: <u>10795</u>	Case No.: <u>BLASLAND</u>	SAS No.:	SDG No.: BEL0213
Matrix: (soil/water)	WATER	Lab Sample ID:	0206223-04A
Sample wt/vol:	<u>940</u> (g/mL) <u>ML</u>	Lab File ID:	a1101011.d
Level: (low/med)	LOW	Date Received:	06/19/02
୫ Moisture:	Decanted:(Y/N) <u>N</u>	Date Extracted:	06/20/02
Concentrated Extract	Volume: $1000 (\mu L)$	Date Analyzed:	06/26/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)	SEPF
		CONCEN	TRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		5 U
121-69-7	N,N-Dimethylaniline		5 U

	lC		EPA SAMPLE NO.
SEMIVOLAT	MW-17R		
Lab Name: <u>Buck Env</u> ir	conmental Labs, In Cont	tract:	L
Lab Code: <u>10795</u>	Case No.: BLASLAND	SAS No.:	SDG No.: BEL0213
Matrix: (soil/water)	WATER	Lab Sample ID:	<u>0206223-05A</u>
Sample wt/vol:	<u>990</u> (g/mL) <u>ML</u>	Lab File ID:	al201012.d
Level: (low/med)	LOW	Date Received:	06/19/02
% Moisture:	Decanted:(Y/N) <u>N</u>	Date Extracted:	06/20/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	06/26/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)	SEPF
		CONCEN	VTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		5 U
121-69-7	N,N-Dimethylaniline		5 U

	EPA SAMPLE NO.		
SEMIVOLAT	DUP-1		
Lab Name: Buck Envir	conmental Labs, In Con	tract:	
Lab Code: <u>10795</u>	Case No.: <u>BLASLAND</u>	SAS No.:	SDG No.: BEL0213
Matrix: (soil/water)	WATER	Lab Sample ID:	0206223-06A
Sample wt/vol:	<u>960</u> (g/mL) <u>ML</u>	Lab File ID:	a1301013.d
Level: (low/med)	LOW	Date Received:	06/19/02
% Moisture:	Decanted:(Y/N) <u>N</u>	Date Extracted:	06/20/02
Concentrated Extract	Volume: <u>1000</u> (µL)	Date Analyzed:	06/27/02
Injection Volume:	<u>1</u> (µL)	Dilution Factor:	1.00
GPC Cleanup: (Y/N)	<u>N</u> pH:	Extraction: (Type)	SEPF
		CONCE	NTRATION UNITS:
CAS NO.	COMPOUND	(µg/L	or µg/Kg) <u>UG/L</u> Q
62-53-3	Aniline		5U
121-69-7	N,N-Dimethylaniline		5 U

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Chain of Custody



6723 Towpath Road, P.O. Box 66 Syracuse, New York 13214-0066 TEL: (315) 446-9120

CLP Category B 0206223 per Margaret to BH 2:25 6/19 Chain OF CUSTODY RECORD Custody peakintert

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	6/18/02			P	MW-	24 D R		2	X				N.N-	din	hule au line and restrytamiline
·	6118/02			X	HW- 6			2	X						0
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Relinquist		Signature)		DATE	TIME	Received for Laboratory by: (Signature)		DATE		Tin	AE	Remark	is: Rec	iel Fed Ex
_	• # 						Shuliy E. Town		4/19/00		10	40	Alco	lers	PACKED IN ICE . 2.5°C

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