DATA REVIEW FOR

MCKESSON - BEAR STREET SITE

SDG# BEL0331

VOLATILE AND SEMIVOLATILE ANALYSES

Analyses performed by:

Buck Environmental Laboratories, Inc. Cortland, New York

Review performed by:



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

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Summary

The following is an assessment of the data package for SDG # BEL0331 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 | A | nalysis Metho | d |
|-----------|----------------------|--------|-------------------|-------------------|-------------------|-------------------|
| | | | | 8260 ¹ | 8015 ² | 8270 ³ |
| MW-27 | 0310292-01B | water | 10/30/03 | <u>×</u> | x | x |
| MW-31 | 0310292-02B | water | 10/30/03 | X | <u>x</u> | X |
| MW-28 | 0310292-03B | water | 10/30/03 | x | x | x |
| MW-29 | 0310292-04B | water | 10/30/03 | x | x | x |
| MW-30 | 0310292-08B | water | 10/30/03 | x | x | x |
| DUP-2 | 0310292-09B | water | 10/30/03 | x | x | X |
| TB-3 | 0310292-10B | water | 10/30/03 | <u>x</u> | x | |
| MW-8S* | 0310292-05B | water | 10/30/03 | x | x | × |
| MW-19 | 0310297-01B | water | 10/31/03 | x | x | x |
| MW-18 | 0 <u>310297-</u> 02B | water | 10/31/03 | _x | x | x |
| MW-24DR | 031029 <u>7-0</u> 3B | water | 10/31/03 | <u> </u> | x | x |
| MW-231 | 0310297-04B | water | 10/ <u>31/</u> 03 | x | x | x _ |
| MW-24SR | 0310297-05B | water | 10/31/03 | x | x | x |
| MW-23S | 0310297-06B | water | 10/31/03 | x | x | x |
| PZ5S | 0310297-07B | water | 10/31/03 | x | x | x |
| PZ5D | 0310297-09B | water | 10/31/03 | x | x | <u>x</u> |
| ТВ-4 | 0310297-09A | water | 10/31/03 | x | x | |
| MW-255 | 0311022-01B | water | 11/4/03 | x | x | x |
| MW-17R | 0311022-02B | water | 11/4/03 | x | x | x |
| TB-5 | 0311022-02B | water | 11/4/03 | x | × | |
| | | | | | | |

compounds include: methylene chloride, acetone, trichloroethene, benzene, toluene, ethylbenzene, and xylenes
 compounds include: methanol

3 compounds include: aniline and N,N'-dimethylaniline

4 MS/MSD analyses performed on sample

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VOLATILE ANALYSES

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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. 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. Field and rinse blanks measure contamination of samples during field operations.

No compounds were detected in the method blanks. Acetone was, however, detected in two of the trip blanks. Based on the blank content, data for acetone have been qualified as non-detect in sample MW-19.

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.

Two surrogate recoveries for sample MW-29 were below control limits. The reanalysis of sample MW-29 yielded acceptable surrogate recoveries. The sample results from the re-analysis have been used to replace the original analysis of this sample. One surrogate recovery for sample MW-8S was above control limits. Positive data for sample MW-8S have been qualified as estimated 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.

The following samples contained compounds above the linear range: MW-8S (methylene chloride, toluene and trichloroethene), MW-27 (methylene chloride), MW-31 (acetone), and DUP-2 (methylene chloride and acetone). Sample results which were greater than the linear range have been replaced with the data from the dilution analysis. All other 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 MS 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-27 / DUP-2 | Acetone | 170 | 800 | 110.0% |

| Sample ID/ Duplicate ID | Analyte | Sample Result | Duplicate Result | RPD |
|----------------------------|--------------------|------------------|---------------------|-------|
| MW-27 / DUP-2 | Benzene | 5 | 7 | NA |
| | Ethylbenzene | ND | ND | NA |
| | Methylene Chloride | 240 | 350 | 37.0% |
| | Toluene | ND | ND | NA |
| | Trichloroethene | ND | ND | NA |
| | m,p-Xylene | 1 J | 2 J | NA |
| | o-Xylene | 2 J | 2 J | NA |

ND Not detected.

NA Analyte not detected in sample and/or field duplicate. Relative percent difference between recoveries (RPD) not applicable.

The field duplicate results were unacceptable for acetone. Data for acetone in the two samples presented in the above table have been qualified as estimated based on the deviation.

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> | . <u> </u> | |
| Are the sample numbers included in the narrative? | <u> X </u> | | |
| Are the sample chain-of-custodies present? | <u> X </u> | | |
| Do the chain-of-custodies indicate any problems with sample receipt or sample condition? | | <u>_X</u> | |
| Holding Times | | | |
| Have any holding times been exceeded? | | _X | <u> </u> |
| Surrogate Recovery | | | |
| Are surrogate recovery forms present? | _X | | |
| Are all the samples listed on the appropriate surrogate recovery form? | <u> </u> | | |
| Was one or more surrogate recoveries outside of specified limits for any sample or blank? | _ <u>X</u> _ | | |
| If yes, were the samples reanalyzed? | <u> </u> | | <u></u> |
| <u>Matrix Spikes</u> | | | |
| Is there a matrix spike recovery form present? | <u> X </u> | | |
| Were matrix spikes analyzed at the required frequency? | <u> </u> | | |
| How many spike recoveries were outside of QC limits? | | | |
| out of | | | |
| How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits? | | | |
| out of | | | |
| Blanks | | | |
| 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>X</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>X</u> _ | | |
| Do any trip/field/rinse blanks have positive results? | <u>_X</u> | | |
| | | | |

Volatile Organics Data Validation Checklist - Page 2

| | YES | NO | <u>NA</u> |
|---|-------------------|----|-----------|
| 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? | _ <u>X</u> _ | | |
| Has a BFB been analyzed for each twelve hours of analysis per instrument? | _ <u>X</u> _ | | |
| Have the ion abundance criteria been met for each instrument used? | _X_ | | |
| Target Analytes | | | |
| Is an organics analysis data sheet present for each of the following: | | | |
| Samples | <u> X </u> | | |
| Matrix spikes | <u> X </u> | | |
| Blanks | <u> X </u> | | |
| Are the reconstructed ion chromatograms present for each of the following: | | | |
| Samples | <u>X</u> | | |
| Matrix spikes | | | |
| Blanks | | | |
| Is the chromatographic performance acceptable? | <u>X</u> | | |
| Are the mass spectra of the identified compounds present? | <u> </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? | x | | |
| 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? | <u> </u> | | |
| Are any target compounds listed as TICs? | | X | |
| Are all ion present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum? | <u>_X</u> | | |

Volatile Organics Data Validation Checklist - Page 3

| | YES | NO | NA |
|--|-------------------|-----------|----|
| Do the TIC and "best match" spectrum agree within 20%? | <u>X</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? | <u> </u> | | |
| Initial Calibration | | | |
| Are the initial calibration forms present for each instrument used? | _ <u>X</u> | | |
| Are the response factor RSDs within specified limits? | X | | |
| Are the average RRF equal to or greater than minimum requirements? | _ <u>X</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> </u> | | |
| All %D within acceptable limits? | <u> X </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> </u> | | |

Volatile Qualifier Summary Holding Time, Surrogates, Internal Standards

| | Holding | | Surro | gates* | | Inter | nal Standar | ds* |
|----------------|---------|-----|-------|--------|-----|-------|-------------|-----|
| | Time* | DCE | TOL | BFB | DBF | PFB | DFB | СВΖ |
| | | | | | | | | |
| MW-31 | | _ | | | | | | |
| MW-28 | | | | | | | | |
| MW-29 | | 1 | 1 | | | | | |
| MW-30 | | | | | | | | |
| DUP-2 | | | | | | | | |
| | | | | | | | | |
| MW-8S | | 1 | 1 | | | | | |
| MW-19 | | | | | | | | |
| MW-18 | | | | | | | | |
| MW-24DR | | | | | | | | ··· |
| MW-2 <u>31</u> | | | | | | | | |
| MW-24SR | | | | | | | | |
| MW-23S | | | | | | _ | | |
| PZ5S | | | | | | | | |
| PZ5D | | | | | | | | |
| ТВ-4 | | | | | | | | |
| <u>MW-25S</u> | | | | | | | | |
| MW-17R | | | | | | | | |
| | | | | | | | | |
| MW-8SMS | | | | | | | | |
| MW-8SMSD | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

Surrogates:

TOL Toluene-d8

BFB

Bromofluorobenzene Dibromofluoromethane DBF

DCE 1,2-Dichloroethane-d4

Internal Standards:

PFB Pentafluorobenzene

DFB 1,4-Difluorobenzene

CBZ Chlorobenzene-d5

Qualifiers:

Recovery high
 Recovery low

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

Volatile Calibration Outliers

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

| Date/Time | 10/ | 30/03 | 11/4/(| 03 1614 | 11/4/0 | 03 1156 | 11/4/ | 03 1111 | · | |
|--------------------|-------|---------|--------|----------|----------|---------|-------|---------|-----|---------|
| | Initi | al Cal. | Con | t. Cal. | Cont | t. Cal. | Con | t. Cal. | Con | t. Cal. |
| | RF | %RSD | RF_ | %D | RF | %D | RF | %D | RF | %D |
| Methylene chloride | | | | | | | | | | |
| Acetone | | | | | | | | | | |
| Trichloroethene | | | | | | | | | | |
| Benzene | | | | | <u> </u> | | | | | |
| Toluene | | | | | | | | | | |
| Ethylbenzene | | | | | | | | | | |
| Xylene (total) | | | | <u> </u> | | | | | _ | |
| Affected Samples: | | | | | | | | | | |
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Volatile Calibration Outliers - Page 2

Instrument: <u>MSD4</u> Matrix: <u>water</u> Level: <u>low</u>

| Date/Time | | 6/03 | 5/16/ | 03 1408 | | | | | | |
|--------------------|--------|---------|-------|---------|----------|---------|------|---------|------|--------|
| | Initia | al Cal. | Con | t. Cal | | t. Cal. | Con | t. Cal. | Cont | . Cal. |
| | RF | %RSD | RF | %D | RF | %D | RF | %D | RF | %D |
| Methylene chloride | | | | | | | | | | |
| _Acetone | | | | | | | | | | |
| Trichloroethene | | | | | | | | | | |
| Benzene | | | | | | | | | | |
| Toluene | | ļ | | | | | | | | |
| Ethylbenzene | | | | | | | | | | |
| Xylene (total) | | | | | <u> </u> | | | | | |
| Affected Samples: | | | | | | | | | | |
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. Corrected Sample Analysis Data Sheets

1A VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

DUP-2

| Lab | Name: | Buck_ | Environmental | Labs, | Inc.Contract: | BBL |
|-----|-------|-------|---------------|-------|---------------|-----|

| Lab Code: <u>10795</u> C | ase No.: | SAS No.: | SDG No.: BEL0331 |
|---------------------------------|---------------------|-------------------|------------------|
| Matrix: (soil/water) WAT | TER | Lab Sample ID: | 0310292-098 |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | Lab File ID: | \1501015.D |
| Level: (low/med) LOV | <u>v</u> | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/04/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | Dilution Factor: | <u>1.00</u> |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | <u>UG/L</u> | Q |
|-----------|--------------------|-----------------|-------------|----------|
| 67-64-1 | Acetone | | 00 420- | 5 |
| 71-43-2 | Benzene | | 7 | |
| 100-41-4 | Ethylbenzene | | 5 | U |
| 75-09-2 | Methylene chloride | | 310-350 | <u> </u> |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | U |
| 1330-20-7 | m,p-Xylene | | 2 | J |
| 95-47-6 | o-Xylene | | 2 | J |

EPA SAMPLE NO.

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-2DL

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

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| Lab Code: 10795 | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
|---------------------------------|---------------------|-------------------|-------------------------|
| Matrix: (soil) water) <u>W</u> | IATER | Lab Sample ID: | 0310292-09B |
| Sample wt/vol: 5 | (g/mL) ML | Lab File ID: | <u>\1901019.D</u> |
| Level: (low/med) L | <u>.Ow</u> | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/05/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | Dilution Factor: | 10.00 |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | <u>UG/L</u> | Q |
|-----------|--------------------|-----------------|-------------|---|
| 67-64-1 | Acetone | | 800 | |
| 71-43-2 | Benzene | | 50 | U |
| 100-41-4 | Ethylbenzene | | 50 | U |
| 75-09-2 | Methylene chloride | | 350 | |
| 108-88-3 | Toluene | | 50 | U |
| 79-01-6 | Trichloroethene | | 50 | υ |
| 1330-20-7 | m,p-Xylene | | 100 | U |
| 95-47-6 | o-Xylene | | 50 | U |

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-85

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

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| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
|------------------------|---------------------|-----------------|-------------------------|
| Matrix: (soil/water) | VATER | Lab Sample ID: | 0310292-05B |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | Lab File ID: | \1801018.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | | Date Analyzed: | 11/05/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | Dilution Factor | : <u>1.00</u> |
| Soil Extract Volume: | (µL) | Soil Aliquot Vo | lume (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-----------|--------------------|-----------------|-----------|------|
| 67-64-1 | Acetone | | 21 | 5 |
| 71-43-2 | Benzene | | 25 | T |
| 100-41-4 | Ethylbenzene | | 93 | T. |
| 75-09-2 | Methylene chloride | 400 | 000 4500 | -ED |
| 108-88-3 | Toluene | | 330 -250- | DFT |
| 79-01-6 | Trichloroethene | | 2300 3100 | -#-> |
| 1330-20-7 | m,p-Xylene | | 250 | 7 |
| 95-47-6 | o-Xylene | | 110 | 5 |

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VOLATILE ORGANICS ANALYSIS DATA SHEET

| ΕPΑ | SAMPLE | NO. |
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MW-8SDL

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

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| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
|---------------------------------|---------------------|-------------------|-------------------------|
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-05B</u> |
| Sample wt/vol: 5 | (g/mL) ML | Lab File ID: | \2001020.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | N. | Date Analyzed: | 11/05/03 |
| GC Column: <u>J&W,DB624</u> | ID: <u>.18</u> (mm) | Dilution Factor: | 100.00 |
| Soil Extract Volume: | (L) | Soil Aliquot Volu | me (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-----------|--------------------|---------------------------------------|--------|---|
| 67-64-1 | Acetone | | 1200 | U |
| 71-43-2 | Benzene | · | 500 | U |
| 100-41-4 | Ethylbenzene | · · · · · · · · · · · · · · · · · · · | 500 | U |
| 75-09-2 | Methylene chloride | | 390000 | E |
| 108-88-3 | Toluene | <u>\</u> | 330 | J |
| 79-01-6 | Trichloroethene | | 3100 | |
| 1330-20-7 | m,p-Xylene | | 320 | J |
| 95-47-6 | o-Xylene | | 120 | J |
| | | | | |

EPA SAMPLE NO.

MW-8SDL

VOLATILE ORGANICS ANALYSIS DATA SHEET

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

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| Lab Code: <u>10795</u> C | Case No.: | SAS | No.: | SDG No.: <u>BEL0331</u> |
|---------------------------------|---------------------|-----|-------------------|-------------------------|
| Matrix: (soil/water) WA | TER | | Lab Sample ID: | 0310292-05B |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | | Lab File ID: | <u>\1801018.D</u> |
| Level: (low/med) LO | W | | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | | | Date Analyzed: | 11/06/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | | Dilution Factor: | 10,000.00 |
| 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 | | 120000 | U |
| 71-43-2 | Benzene | | 50000 | U |
| 100-41-4 | Ethylbenzene | | 50000 | Ū |
| 75-09-2 | Methylene chloride | | 400000 | |
| 108-88-3 | Toluene | | 50000 | U |
| 79-01-6 | Trichloroethene | | 50000 | U |
| 1330-20-7 | m,p-Xylene | <u> </u> | 100000 -50000- | U |
| 95-47-6 | o-Xylene | | 50000 | U |
| | · · · · · · · · · · · · · · · · · · · | | And | |

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| 1A | | EPA SAMPLE NO. |
|---|-------------------|-------------------------|
| VOLATILE ORGANICS ANALYSIS DATA | SHEET | MW-17R |
| Lab Name: <u>Buck Environmental Labs, Inc.</u> Contra | act: | |
| Lab Code: <u>10795</u> Case No.: <u>C</u> SAS | No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | <u>0311022-02B</u> |
| Sample wt/vol: 5 (g/mL) <u>ML</u> | Lab File ID: | <u>\0701007.D</u> |
| Level: (low/med) LOW | Date Received: | 11/04/03 |
| % Moisture: not dec. | Date Analyzed: | 11/06/03 |
| GC Column: J&W, DB624 ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | ume(µL) |

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CONCENTRATION UNITS:

and the second and the

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

| 1A | | EPA SAMPLE NO. |
|---|-------------------|-------------------------|
| VOLATILE ORGANICS ANALYSIS DATA | SHEET | MW-18 |
| Lab Name: Buck Environmental Labs, Inc.Contra | act: | |
| Lab Code: <u>10795</u> Case No.: <u>C</u> SAS | No.: | SDG No.: <u>Belo331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | <u>0310297-02B</u> |
| Sample wt/vol: <u>5</u> (g/mL) <u>ML</u> | Lab File ID: | <u>\0701007.D</u> |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | Date Analyzed: | 11/05/03 |
| GC Column: J&W,DB624 ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Vola | ume (:11) |

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CONCENTRATION UNITS:

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

1A VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

MW-19

| Lab Name: Buck Environmenta | l Labs, Inc.Co | ntract: | |
|-----------------------------------|--------------------|-------------------|-------------------------|
| Lab Code: <u>10795</u> Case | No.: <u>C</u> | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | | Lab Sample ID: | <u>0310297-01B</u> |
| Sample wt/vol: <u>5</u> (g. | /mL) <u>ML</u> | Lab File ID: | \0601006.D |
| Level: (low/med) LOW | | Date Received: | 10/31/03 |
| % Moisture: not dec. | | Date Analyzed: | 11/05/03 |
| GC Column: J&W,DB624 I | D: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | me (µL) |

CONCENTRATION UNITS:

and a second second and a second s

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-----------|--------------------|-----------------|------|----|
| 67-64-1 | Acetone | | 11 | 10 |
| 71-43-2 | Benzene | | 5 | U |
| 100-41-4 | Ethylbenzene | | 5 | Ū |
| 75-09-2 | Methylene chloride | | 5 | Ŭ |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | U |
| 1330-20-7 | m,p-Xylene | | 10 | U |
| 95-47-6 | o-Xylene | | 5 | U |

EPA SAMPLE NO.

MW-23I

| VOLATILE | ORGANICS | ANALYSTS | בידבת | SHEET |
|----------|-------------|----------|--------|-------|
| | 01.0110.100 | | D+++++ | |

Lab Name: Buck Environmental Labs, Inc. Contract:

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| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: <u>BEL0331</u> |
|---------------------------------|---------------------|-------------------|-------------------------|
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310297-04B |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | Lab File ID: | \0901009.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/05/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume (µL) |

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

| la Volatile organics analysis data | SHEET | EPA SAMPLE NO. |
|--|-------------------|-------------------------|
| Lab Name: Buck Environmental Labs, Inc. Contra | ct: | MW-235 |
| Lab Code: 10795 Case No.: <u>C</u> SAS | No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) WATER | Lab Sample ID: | <u>0310297-06B</u> |
| Sample wt/vol: 5 (g/mL) <u>ML</u> | Lab File ID: | <u>\1101011.D</u> |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | Date Analyzed: | 11/05/03 |
| GC Column: J&W,DB624 ID: .18 (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | me(µL) |

CONCENTRATION UNITS:

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

| 1A VOLATILE ORGANICS ANALYSIS DATA | SHEET | EPA SAMPLE NO. MW-24DR |
|--|-------------------|---------------------------|
| Lab Name: Buck Environmental Labs, Inc. Contra | ct: | |
| Lab Code: <u>10795</u> Case No.: <u>C</u> SAS | No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | 0310297-03B |
| Sample wt/vol: 5 (g/mL) <u>ML</u> | Lab File ID: | \0801008.D |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | Date Analyzed: | 11/05/03 |
| GC Column: J&W, DB624 ID: .18 (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | me(µL) |

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CONCENTRATION UNITS:

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

| LA VOLATILE ORGANICS ANALYSIS DATA | SHEET | EPA SAMPLE NO. MW-24SR |
|--|-------------------|---------------------------|
| Lab Name: Buck Environmental Labs, Inc. Contra | ct: | |
| Lab Code: 10795 Case No.: C SAS | No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) WATER | Lab Sample ID: | <u>0310297-05B</u> |
| Sample wt/vol: 5 (g/mL) <u>ML</u> | Lab File ID: | \1001010.D |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | Date Analyzed: | 11/05/03 |
| GC Column: J&W, DB624 ID: 18 (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | me(µL) |

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CONCENTRATION UNITS:

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

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-255

Lab Name: Buck Environmental Labs, Inc. Contract:

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| Lab Code: <u>10795</u> Ca | ase No.: <u>C</u> | SAS | No.: | SDG No.: | BEL0331 |
|---------------------------|---------------------|-----|-------------------|------------|---------|
| Matrix: (soil/water) WAT | ER | | Lab Sample ID: | 0311022-01 | В |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | | Lab File ID: | \0601006.D | |
| Level: (low/med) LOW | 1 | | Date Received: | 11/04/03 | |
| % Moisture: not dec. | | | Date Analyzed: | 11/06/03 | |
| GC Column: J&W,DB624 | ID: <u>.18</u> (mm) | | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | | Soil Aliquot Volu | шe | (µL) |

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-----------|--------------------|-----------------|------|---|
| 67-64-1 | Acetone | | 12 | U |
| 71-43-2 | Benzene | | 5 | U |
| 100-41-4 | Ethylbenzene | | 5 | U |
| 75-09-2 | Methylene chloride | | 5 | U |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | U |
| 1330-20-7 | m,p-Xylene | | 10 8 | U |
| 95-47-6 | o-Xylene | | 5 | U |
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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-27

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

| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
|------------------------|--------------------|-------------------|-------------------------|
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-01B</u> |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | Lab File ID: | \1001010.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | | Date Analyzed: | 11/04/03 |
| GC Column: J&W, DB624 | ID: <u>18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | me (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-----------|--------------------|-----------------|--------|----------|
| 67-64-1 | Acetone | | 170 | ₹ |
| 71-43-2 | Benzene | | 5 | <u> </u> |
| 100-41-4 | Ethylbenzene | | 5 | U |
| 75-09-2 | Methylene chloride | | 220240 | E-D |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | U |
| 1330-20-7 | m,p-Xylene | | 1 | J |
| 95-47-6 | o-Xylene | | 2 | J |

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-27DL

| Lab Name: <u>Buck Environmental Labs, Inc.</u> Co | ontract: <u>BBL</u> | |
|---|---------------------|-------------------------|
| Lab Code: 10795 Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | 0310292-01B |
| Sample wt/vol: <u>5</u> (g/mL) <u>ML</u> | Lab File ID: | \1701017.D |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | Date Analyzed: | 11/05/03 |
| GC Column: J&W, DB624 ID: <u>18</u> (mm) | Dilution Factor: | 10.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | ume (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|------------|--------------------|-----------------|------|-----|
| 67-64-1 | Acetone | | 150 | |
| 71-43-2 | Benzene | | 50 | υ |
| · 100-41-4 | Ethylbenzene | | 50 | U |
| 75-09-2 | Methylene chloride | | 240 | |
| 108-88-3 | Toluene | | 50 | U |
| 79-01-6 | Trichloroethene | | 50 | U |
| 1330-20-7 | m,p-Xylene | | 100 | U U |
| 95-47-6 | o-Xylene | | 50 | υ |
| | | | | |

1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET MW-28 Lab Name: Buck Environmental Labs, Inc. Contract: BBL Lab_Code: 10795 Case No.: SAS No.: _____ SDG No.: BEL0331 Matrix: (soil/water) WATER Lab Sample ID: 0310292-03B Sample wt/vol: <u>5</u> (g/mL) <u>ML</u> Lab File ID: <u>\1201012.D</u> Level: (low/med) LOW Date Received: <u>10/31/03</u> % Moisture: not dec. Date Analyzed: <u>11/04/03</u> GC Column: J&W,DB624 ID: 18 (mm) Dilution Factor: 1.00 Soil Extract Volume: (µL) Soil Aliquot Volume (µL)

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-------------|--------------------|-----------------|------|---|
| 67-64-1 | Acetone | | 24 | * |
| 71-43-2 | Benzene | | 11 | |
| 100-41-4 | Ethylbenzene | | 12 | |
| 75-09-2 | Methylene chloride | | 5 | U |
| 108-88-3 | Toluene | | 6 | |
| 79-01-6 | Trichloroethene | | 5 | U |
| • 1330-20-7 | m,p-Xylene | | 6 | J |
| 95-47-6 | o-Xylene | | 7 | |

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| VOLATILE Lab Name: <u>Buck Enviror</u> Lab Code: <u>10795</u> Matrix: (soil/water) <u>W</u> Sample wt/vol: <u>5</u> Level: (low/med) L | Case No.: NATER | Ontract: <u>BBL</u> SAS No.: | MW-29 SDG No.: <u>B</u> | |
|---|---------------------|---------------------------------|----------------------------|--------|
| Lab Code: <u>10795</u> Matrix: (soil/water) <u>W</u> Sample wt/vol: <u>5</u> | Case No.: NATER | SAS NO.: | SDG No.: B | |
| Matrix: (soil/water) W Sample wt/vol: 5 | IATER | | SDG No.: B | |
| Sample wt/vol: 5 | | | | EL0331 |
| | | Lab Sample ID: | 0310292-04B | |
| Ierel: (low/med) [| (d/wr) Wr | Lab File ID: | <u>\1301013.D</u> | |
| Dever: (IOM/Wed) | WOL | Date Received: | 10/31/03 | |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/04/03 | |
| GC Column: <u>J&W,DB624</u> | ID: <u>.18</u> (mm) | Dilution Factor | : <u>1.00</u> | |
| Soil Extract Volume: | (µL) | Soil Aliquot Vol | lume | (µL) |
| | / | CONCENTRATION UNI | TS: | |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
| 67-64-1 A | Acetone / | | 12 | Ū |
| 71-43-2 B | Benzene | | 5 | U |
| 100-41-4 F | Ethylbenzeng | | 5 | U |
| 75-09-2 M | Methylene chloride | | 5 | U |
| 108-88-3 1 | Toluene / | | 5 | U |
| | Frichloroethene | | 5 | U |
| 1330-20-7 m | n,p-XyZene | | 10 -8- | U |
| 95-47-6 0 | | | 5 | |
| | o-Xylene | | J | Ŭ |

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EPA SAMPLE NO.

| VOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |
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MW-29 RA

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

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| Lab Code: <u>10795</u> C | Case No.: | SAS | No.: | SDG No.: <u>BEL0331</u> |
|---------------------------------|---------------------|-----|-------------------|-------------------------|
| Matrix: (soil/water) <u>WA</u> | TER | | Lab Sample ID: | <u>0310292-04B</u> |
| Sample wt/vol: 5 | (g/mL) ML | | Lab File ID: | <u>\1601016.D</u> |
| Level: (low/med) LC | <u>w</u> | | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | | | Date Analyzed: | 11/05/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | | Dilution Factor: | 1.00 |
| Soil Extract Volume: | (µL) | | Soil Aliquot Volu | me(μL) |

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

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-30

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

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| Lab Code: <u>10795</u> Case No | o.: SA | AS No.: | SDG No.: BEL0331 |
|-----------------------------------|-------------------|-------------------|--------------------|
| Matrix: (soil/water) <u>WATER</u> | | Lab Sample ID: | <u>0310292-08B</u> |
| Sample wt/vol: <u>5</u> (g/m | L) <u>ML</u> | Lab File ID: | <u>\1401014.D</u> |
| Level: (low/med) <u>LOW</u> | | Date Received: | 10/31/03 |
| % Moisture: not dec. | | Date Analyzed: | 11/04/03 |
| 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) | UG/L | Q |
|-----------|--------------------|-----------------|-------|---|
| 67-64-1 | Acetone | | 12 | U |
| 71-43-2 | Benzene | | 5 | υ |
| 100-41-4 | Ethylbenzene | | 5 | U |
| 75-09-2 | Methylene chloride | | 5 | U |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | U |
| 1330-20-7 | m,p-Xylene | | 10 -5 | σ |
| 95-47-6 | o-Xylene | | 5 | U |
| | | | | |

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EPA SAMPLE NO.

MW-31

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab-Name: Buck Environmental Labs, Inc. Contract: BBL

| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: BEL0331 |
|---------------------------------|---------------------|-------------------|--------------------|
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-02B</u> |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | Lab File ID: | \1101011.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/04/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | |
|-----------|--------------------|-----------------|----------|------|
| 67-64-1 | Acetone | | 1200 480 | -E D |
| 71-43-2 | Benzene | | 13 | |
| 100-41-4 | Ethylbenzene | | 5 | |
| 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 | | 5 | U |
| 95-47-6 | o-Xylene | | 5 | U |

EPA SAMPLE NO.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-31DL

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

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| Lab Code: <u>10795</u> Case No.: | SAS No.: SI | OG No.: <u>BEL0331</u> |
|--|---------------------|------------------------|
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: 03 | 310292-02B |
| Sample wt/vol: 5 (g/mL) <u>ML</u> | Lab File ID: 📉 | <u>1801018.D</u> |
| Level: (low/med) LOW | Date Received: 10 | 0/31/03 |
| % Moisture: not dec. | Date Analyzed: 1 | 1/05/03 |
| GC Column: <u>J&W, DB624</u> ID: <u>.18</u> (mm) | Dilution Factor: 10 |).00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volume | (µL) |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | <u>UG/L</u> | Q |
|-----------|--------------------|-----------------|-------------|---|
| 67-64-1 | Acetone | | 1200 | |
| 71-43-2 | Benzene | | 16 | J |
| 100-41-4 | Ethylbenzene | | 50 | U |
| 75-09-2 | Methylene chloride | | 50 | Ū |
| 108-88-3 | Toluene | | 50 | U |
| 79-01-6 | Trichloroethene | | 50 | U |
| 1330-20-7 | m,p-Xylene | | 100 | U |
| 95-47-6 | o-Xylene | | 50 | U |

| 1A VOLATILE ORGANICS ANALYSIS DATA | SHEET | EPA SAMPLE NO. PZ-5D |
|--|-------------------|-------------------------|
| Lab Name: Buck Environmental Labs, Inc. Contra | ct: | |
| Lab Code: <u>10795</u> Case No.: <u>C</u> SAS | No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | <u>0310297-08B</u> |
| Sample wt/vol: <u>5</u> (g/mL) <u>ML</u> | Lab File ID: | \1301013.D |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | Date Analyzed: | 11/05/03 |
| GC Column: <u>J&W, DB624</u> ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | me(µL) |

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CONCENTRATION UNITS:

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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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PZ-5S

| Lab Name: Buck Environmental Labs, Inc. Contrac | t: |
|---|----|
|---|----|

| Lab Code: <u>10795</u> Case No.: <u>C</u> | SAS No.: | SDG No.: <u>BEL0331</u> |
|---|-------------------|-------------------------|
| Matrix: (soil/water) WATER | Lab Sample ID: | 0310297-07в |
| Sample wt/vol: <u>5</u> (g/mL) <u>ML</u> | Lab File ID: | \1201012.D |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | Date Analyzed: | 11/05/03 |
| GC Column: <u>J&W, DB624</u> 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 | | 12 | U |
| 71-43-2 | Benzene | | 5 | υ |
| 100-41-4 | Ethylbenzene | | 5 | U |
| 75-09-2 | Methylene chloride | | 5 | U |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | U |
| 1330-20-7 | m,p-Xylene | | 10 | Ŭ |
| 95-47-6 | o-Xylene | | 5 | U |

EPA SAMPLE NO.

TB-3

VOLATILE ORGANICS ANALYSIS DATA SHEET

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

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| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
|------------------------|---------------------|-------------------|-------------------------|
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-10A |
| Sample wt/vol: 5 | (g/mL) <u>ML</u> | Lab File ID: | \1601016.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | | Date Analyzed: | 11/04/03 |
| GC Column: J&W, DB624 | ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ime (uL) |

CONCENTRATION UNITS: (ug/l or ug/kg) UG/L

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-----------|--------------------|-----------------|-------|---|
| . 67-64-1 | Acetone | | 12 | U |
| 71-43-2 | Benzene | | 5 | U |
| 100-41-4 | Ethylbenzene | | 5 | U |
| 75-09-2 | Methylene chloride | | 5 | U |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | U |
| 1330-20-7 | m,p-Xylene | | 10 50 | U |
| 95-47-6 | o-Xylene | _ | 5 | U |
| | | | | |

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| 1A VOLATILE ORGANICS ANALYSIS DATA | SHEET | EPA SAMPLE NO. TB-4 |
|---|-------------------|-------------------------|
| Lab Name: Buck Environmental Labs, Inc. Contra | lct: | |
| Lab Code: <u>10795</u> Case No.: <u>C</u> SAS | No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | 0310297-09A |
| Sample wt/vol: 5 (g/mL) <u>ML</u> | Lab File ID: | <u>\1401014.D</u> |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | Date Analyzed: | 11/05/03 |
| GC Column: <u>J&W,DB624</u> ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | e(µL) |

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CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (µg/L or µg/Kg) | <u>UG/L</u> | Q |
|-----------|--------------------|-----------------|-------------|---|
| 67-64-1 | Acetone | | 28 | |
| 71-43-2 | Benzene | | 5 | U |
| 100-41-4 | Ethylbenzene | | 5 | U |
| 75-09-2 | Methylene chloride | | 5 | υ |
| 108-88-3 | Toluene | | 5 | U |
| 79-01-6 | Trichloroethene | | 5 | υ |
| 1330-20-7 | m,p-Xylene | | 10 | U |
| 95-47-6 | o-Xylene | | 5 | U |

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| 1A VOLATILE ORGANICS ANALYSIS DATA | SHEET | EPA SAMPLE NO. TB-5 |
|--|-------------------|-------------------------|
| Lab Name: Buck Environmental Labs, Inc. Contra | ct: | |
| Lab Code: 10795 Case No.: C SAS | No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | <u>0311022-03A</u> |
| Sample wt/vol: 5 (g/mL) <u>ML</u> | Lab File ID: | <u>\0801008.D</u> |
| Level: (low/med) LOW | Date Received: | 11/04/03 |
| <pre>% Moisture: not dec.</pre> | Date Analyzed: | 11/06/03 |
| GC Column: J&W, DB624 ID: <u>.18</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | ume(µL) |

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CONCENTRATION UNITS:

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) | UG/L | Q |
|-----------|--------------------|-----------------|------|---|
| 67-64-1 | Acetone | | 110 | |
| 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 | | 5 | U |
| 95-47-6 | o-Xylene | | 5 | U |

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VOLATILE ANALYSES

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<u>Introduction</u>

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 percent difference (%D) of the initial calibration.

4. Compound Identification

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

All identified compounds met the specified criteria.

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 MS/MSD recoveries and relative percent difference between recoveries (RPD) were within control limits. The MSB recovery was also within control limits.

6. Field Duplicates

Results for duplicate samples are summarized below:

| Sample ID/ Duplicate ID | Analyte | Sámple Result | Duplicate Result | RPD |
|----------------------------|----------|------------------|---------------------|-----|
| MW-27 / DUP-2 | methanol | ND | ND | NA |

ND Not detected.

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

The duplicate results are acceptable.

- 7. The sample result units were originally reported as ug/l. The units have been corrected to mg/l.
- 8. 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> </u> | | |
| Are the sample numbers included in the narrative? | X | | |
| Are the sample chain-of-custodies present? | X | | |
| Do the chain-of-custodies indicate any problems with sample receipt or sample condition? | | X | |
| Holding Times | | | |
| Have any holding times been exceeded? | | X | |
| Matrix Spikes | | | |
| Is there a matrix spike recovery form present? | X | | |
| Were matrix spikes analyzed at the required frequency? | <u> </u> | | |
| How many spike recoveries were outside of QC limits? | | | |
| out of | | | |
| How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits? | | | |
| <u>0</u> out of <u>1</u> | | | |
| <u>Blanks</u> | | | |
| Is the method blank summary form present? | X | | |
| Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent? | <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? | | <u> </u> | |
| <u>Target Analytes</u> | | | |
| Is an organics analysis data sheet present for each of the following: | | | |
| Samples | <u> </u> | | |
| Matrix spikes | <u> </u> | | |
| Blanks | <u> </u> | | |

Organic Data Validation Checklist

| | YES | NO | NA |
|--|------------------|----------|----|
| Are the chromatograms present for each of the following: | | | |
| Samples | _ <u>X</u> | | |
| Matrix spikes | X | | |
| Blanks | <u> </u> | <u> </u> | |
| Is the chromatographic performance acceptable? | <u> </u> | | |
| Quantitation and Detection Limits | | | |
| Are there any transcription/calculation errors in the Form 1 results? | | <u> </u> | |
| Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture? | X | | |
| Standard Data | | | |
| Are the quantitation reports and chromatograms present for the initial and continuing calibration standards? | X | | |
| Initial Calibration | | | |
| Are the initial calibration forms present for each instrument used? | <u>X</u> | | |
| Are the response factor RSDs or correlation coefficients within acceptable limits? | X | | |
| 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>X</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 there any transcription/calculation errors in reporting of RF or %D? | | <u> </u> | |
| <u>Field Duplicates</u> | | | |
| Were field duplicates submitted with the samples? | <u> X </u> | | |

Organic Data Validation Checklist - Page 2

Calibration Outliers

Instrument: <u>GC-03</u> Matrix: <u>water</u>

| Date 1 | 11/7/03 | 11/7/03 | 11/7/03 | 11/7/03 | | VX- 2 |
|-------------------|--------------|------------|------------|------------|------------|--|
| Time | | 1356 | 1507 | 1618 | | n an |
| | Initial Cal. | Cont. Cal. |
| | RSD | %D | %D | %D | %D | %D |
| methanol | | | | | | |
| Affected Samples: | | | | | | |
| | | | | | | |
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Corrected Sample Analysis Data Sheets

i i EPA SAMPLE NO.

DUP-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

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

| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
|---------------------------------|-------------------|--------------------|-------------------------|
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-090 |
| Sample wt/vol: 5 | (g/mL) <u>uL</u> | Lab File ID: | <u>3501035.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | | Date Analyzed: | 11/07/03 |
| GC Column: <u>J&W, DB</u> - | -VRX ID: .45 (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume | :(µL) | Soil Aliquot Vol | ume(µL) |
| | | CONCENTRATION UNIT | rs: |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L Q |
| 67-56-1 | Methanol | | 1 U |

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-8S

| Lab Name: <u>Buck Envi</u> | conmental Labs, | Inc.Contract: <u>BLASLAND</u> | |
|--------------------------------|--------------------|-------------------------------|-------------------------|
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-05C |
| Sample wt/vol: 5 | (g/mL) <u>uL</u> | Lab File ID: | <u>3301033.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: not dec. | | Date Analyzed: | 11/07/03 |
| GC Column: <u>J&W, DB-</u> | VRX ID: <u>.45</u> | (mm) Dilution Factor | |
| Soil Extract Volume: | (µL) | Soil Aliquot Vo | lume(µL) |
| | | CONCENTRATION UNI | ITS: |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L Q |
| 67-56-1 | Methanol | | 0.12 J |

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-17R

| Lab Name: <u>Buck Envi</u> | ronmental Labs, Inc.Co | ontract: | | |
|---------------------------------|--------------------------------|--------------------|----------------------|-----|
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: <u>BELO</u> | 331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0311022-02C</u> | |
| Sample wt/vol: <u>5</u> | (g/mL) <u>uL</u> | Lab File ID: | 5201052.D | |
| Level: (low/med) | LOW | Date Received: | 11/04/03 | |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/07/03 | |
| GC Column: <u>J&W, DB-</u> | <u>VRX</u> ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | (۲۲) | |
| | | CONCENTRATION UNIT | °S: | |
| CAS NO. | COMPOUND | (µg/L.or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | | 1 | U |

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: <u>Buck Envir</u> | conmental Labs, Inc.C | Contract: | | |
|--------------------------------|--------------------------------|--------------------|--------------------|-----|
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: BELO | 331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310297-02C</u> | |
| Sample wt/vol: <u>5</u> | (g/mL) <u>uL</u> | Lab File ID: | <u>4301043.D</u> | |
| Level: (low/med) | LOW | Date Received: | 10/31/03 | |
| % Moisture: not dec. | | Date Analyzed: | 11/07/03 | |
| GC Column: <u>J&W, DB-</u> | <u>VRX</u> ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume(µL) | |
| | | CONCENTRATION UNIT | 'S : | |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | | 1 | Ū |

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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MW-23I

| Lab Name: Buck Environmental Labs, Inc | .Contract: |
|--|-----------------------------------|
| Lab Code: <u>10795</u> Case No.: <u>C</u> | SAS No.: SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>0310297-04C</u> |
| Sample wt/vol: 5 (g/mL) <u>uL</u> | Lab File ID: <u>4501045.D</u> |
| Level: (low/med) LOW | Date Received: $10/31/03$ |
| % Moisture: not dec. | Date Analyzed: <u>11/07/03</u> |
| GC Column: <u>J&W, DB-VRX</u> ID: <u>.45</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) MG/L Q |
| 67-56-1 Methanol | 1 U |

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23S

Lab Name: Buck Environmental Labs, Inc. Contract: Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: <u>BEL0331</u> Matrix: (soil/water) <u>WATER</u> Lab Sample ID: 0310297-06C Sample wt/vol: <u>5</u> (g/mL) <u>uL</u> Lab File ID: 4701047.D Level: (low/med) LOW Date Received: <u>10/31/03</u> Date Analyzed: <u>11/07/03</u> % Moisture: not dec. GC Column: <u>J&W</u>, <u>DB-VRX</u> ID: <u>.45</u> (mm) Dilution Factor: <u>1.00</u> Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CONCENTRATION UNITS: COMPOUND CAS NO. (µg/L or µg/Kg) MG/L Q 67-56-1 Methanol 1 U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-24DR

| Lab Name: Buck Envir | conmental Labs, Inc. | Contract: | | |
|------------------------|--------------------------------|--------------------|--------------------|-----|
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: BELO | 331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310297-03C</u> | |
| Sample wt/vol: 5 | (g/mL) <u>uL</u> | Lab File ID: | 4401044.D | |
| Level: (low/med) | LOW | Date Received: | 10/31/03 | |
| % Moisture: not dec. | | Date Analyzed: | 11/07/03 | |
| GC Column: J&W, DB- | <u>VRX</u> ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | Soil Aliquot Vol | ume(µL) | |
| | | CONCENTRATION UNIT | TS: | |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | | 1 | U |

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-24SR

Lab Name: Buck Environmental Labs, Inc. Contract: Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: <u>BEL0331</u> Matrix: (soil/water) WATER Lab Sample ID: 0310297-05C Sample wt/vol: <u>5</u> (g/mL) <u>uL</u> Lab File ID: <u>4601046.D</u> Level: (low/med) LOW Date Received: 10/31/03 % Moisture: not dec. Date Analyzed: <u>11/07/03</u> GC Column: <u>J&W</u>, <u>DB-VRX</u> ID: <u>.45</u> (num) Dilution Factor: <u>1.00</u> Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CONCENTRATION UNITS: COMPOUND (µg/L or µg/Kg) MG/L CAS NO. Q 67-56-1 Methanol 1 U

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-25S

| Lab Name: <u>Buck Envir</u> | onmental Labs, | <u>Inc.</u> Contra | .ct: | | |
|---------------------------------|--------------------|--------------------|------------------|-----------------------|-----|
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS | No.: | SDG No.: <u>BELO3</u> | 331 |
| Matrix: (soil/water) | WATER | | Lab Sample ID: | 0311022-01C | |
| Sample wt/vol: <u>5</u> | (g/mL) <u>uL</u> | | Lab File ID: | 5101051.D | |
| Level: (low/med) | LOW | | Date Received: | 11/04/03 | |
| <pre>% Moisture: not dec.</pre> | | | Date Analyzed: | 11/07/03 | |
| GC Column: J&W, DB-V | /RX ID: .45 | (mm) | Dilution Factor | :: <u>1.00</u> | |
| Soil Extract Volume: | (µL) | | Soil Aliquot Vo |)lume(µL) | |
| • | | (| CONCENTRATION UN | ITS: | |
| CAS NO. | COMPOUND | | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | | | 1 | U |

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Masses

MW-27

Lab Name: Buck Environmental Labs, Inc. Contract: BLASLAND Lab Code: 10795 Case No.: SAS No.: _____ SDG No.: <u>BEL0331</u> Matrix: (soil/water) <u>WATER</u> Lab Sample ID: 03102<u>92-01</u>C Sample wt/vol: <u>5</u> (g/mL) <u>uL</u> Lab File ID: <u>2901029.D</u> Date Received: <u>10/31/03</u> Level: (low/med) LOW % Moisture: not dec. Date Analyzed: <u>11/07/03</u> GC Column: J&W, DB-VRX ID: .45 (mm) Dilution Factor: 1.00 Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CONCENTRATION UNITS: MG/L CAS NO. COMPOUND (µg/L or µg/Kg) Q 67-56-1 Methanol 1 υ

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1A VOLATILE ORGANICS ANALYSIS DATA SHEET

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| Lab Name: <u>Buck Envir</u> | conmental Labs, | Inc.Contra | ct: BLASLAND | | |
|--------------------------------|--------------------|---------------------------------------|-------------------|----------------------|-----|
| Lab Code: <u>10795</u> | Case No.: | SAS | No.: | SDG No.: <u>BELO</u> | 331 |
| Matrix: (soil/water) | WATER | | Lab Sample ID: | 0310292-03C | |
| Sample wt/vol: <u>5</u> | (g/mL) <u>uL</u> | | Lab File ID: | <u>3101031.D</u> | |
| Level: (low/med) | LOW | | Date Received: | 10/31/03 | |
| % Moisture: not dec. | | | Date Analyzed: | 11/07/03 | |
| GC Column: <u>J&W, DB-</u> | VRX ID: <u>.45</u> | (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | | Soil Aliquot Vol | .ume(µL) | |
| | | C | CONCENTRATION UNI | TS: | |
| CAS NO. | COMPOUND | . (| (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | · · · · · · · · · · · · · · · · · · · | | 1 | U |

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VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: Buck Environmental Labs, Inc. Contr | act: BLASLAND | | |
|---|--------------------|----------------------|------------|
| Lab Code: 10795 Case No.: SAS | S No.: | SDG No.: <u>BELO</u> | <u>331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | <u>0310292-04C</u> | |
| Sample wt/vol: <u>5</u> (g/mL) <u>uL</u> | Lab File ID: | <u>3201032.D</u> | |
| Level: (low/med) LOW | Date Received: | 10/31/03 | |
| % Moisture: not dec. | Date Analyzed: | 11/07/03 | |
| GC Column: J&W, DB-VRX ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: (µL) | Soil Aliquot Volu | ume(µL) | |
| | CONCENTRATION UNIT | 'S: | |
| CAS NO. COMPOUND | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 Methanol | | 1 | U |

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| Lab Name: <u>Buck Environ</u> | mental Labs, Inc. Co | ontract: <u>BLASLAND</u> | | |
|-----------------------------------|----------------------|--------------------------|---------------------|------|
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL</u> | 0331 |
| Matrix: (soil/water) W | ATER | Lab Sample ID: | 0310292-08C | |
| Sample wt/vol: 5 | (g/mL) <u>uL</u> | Lab File ID: | <u>3401034.D</u> | |
| Level: (low/med) LC | WC | Date Received: | 10/31/03 | |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | <u>11/07/03</u> | |
| GC Column: <u>J&W, DB-VRX</u> | ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume(µI | .) |
| | | CONCENTRATION UNIT | S: | |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 Me | ethanol | | 1 | U |

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: Buck Envir | onmental Labs, I | nc.Contract: BLASLAND | | |
|---------------------------------|----------------------------|-----------------------|--------------------|-----|
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: BELO | 331 |
| Matrix: (soil/water) | WATER | Lab Sample ID | <u>0310292-02C</u> | |
| Sample wt/vol: <u>5</u> | (g/mL) <u>uL</u> | Lab File ID: | 3001030.D | |
| Level: (low/med) | LOW | Date Received | : 10/31/03 | |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | : <u>11/07/03</u> | |
| GC Column: <u>J&W, DB-V</u> | <u>RX</u> ID: <u>.45</u> (| mm) Dilution Facto | or: <u>1.00</u> | |
| Soil Extract Volume: | (µL) | Soil Aliquot V | /olume(µL |) |
| | | CONCENTRATION U | INITS: | |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | | 1 | U |

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| | | CONCENTRATION UNITS | NTRATION UNITS: | | |
|---------|--------------|---------------------|-----------------|---|--|
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L | Q | |
| 67-5 | 6-1 Methanol | | 1 | U | |

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

PZ-5S

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|------------------------|-------------------------|--------------------|------------------|---|
| Lab Name: Buck Envir | onmental Labs, Inc.Co | ontract: | | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: BEL033 | 1 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310297-07C | |
| Sample wt/vol: 5 | (g/mL) <u>uL</u> | Lab File ID: | <u>4801048.D</u> | |
| Level: (low/med) | LOW | Date Received: | 10/31/03 | |
| % Moisture: not dec. | | Date Analyzed: | 11/07/03 | |
| GC Column: J&W, DB-V | VRX ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume(µL) | |
| | | CONCENTRATION UNIT | s: | |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | | 1 | U |

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

| Lab Name: Buck Environmental Labs, Inc. Co | ontract: |
|---|--------------------------------|
| Lab Code: <u>10795</u> Case No.: <u>C</u> | SAS NO.: SDG No.: BEL0331 |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: 0310297-01C |
| Sample wt/vol: 5 (g/mL) <u>uL</u> | Lab File ID: <u>4201042.D</u> |
| Level: (low/med) LOW | Date Received: <u>10/31/03</u> |
| <pre>% Moisture: not dec.</pre> | Date Analyzed: <u>11/07/03</u> |
| GC Column: <u>J&W, DB-VRX</u> ID: <u>.45</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) MG/L Q |
| 67-56-1 Methanol | U |

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EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

ТВ-З

| Lab Name: | <u>Buck Envi</u> | ronmental Labs | <pre>, Inc. Contract:</pre> | BLASLAND | |
|-----------|------------------|----------------|-----------------------------|----------|-----|
| Ish Coder | 10795 | Case No : | SAS No | | e r |

| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
|---------------------------------|-------------------------|--------------------|-------------------------|
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-10B</u> |
| Sample wt/vol: 5 | (g/mL) <u>uL</u> | Lab File ID: | 3601036.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/07/03 |
| GC Column: <u>J&W, DB-</u> | VRX ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume(µL) |
| | | CONCENTRATION UNIT | 'S : |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L Q |
| 67-56-1 | Methanol | | 1 U |

1A EPA SAMPLE NO. VOLATILE ORGANICS ANALYSIS DATA SHEET TB-4 Lab Name: Buck Environmental Labs, Inc. Contract: Lab Code: 10795 Case No.: C SAS No.: _____ SDG No.: BEL0331 Matrix: (soil/water) WATER Lab Sample ID: 0310297-09B Sample wt/vol: 5 (g/mL) UL Lab File ID: 5001050.D Date Received: <u>10/31/03</u> Level: (low/med) LOW % Moisture: not dec. Date Analyzed: 11/07/03 GC Column: J&W, DB-VRX ID: .45 (mm) Dilution Factor: 1.00 Soil Extract Volume: (µL) Soil Aliquot Volume (µL) CONCENTRATION UNITS: COMPOUND MG/L CAS NO. (µg/L or µg/Kg) Q 67-56-1 Methanol 1 U

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EPA SAMPLE NO.

| VOLATII | LE ORGANICS ANALYSIS I | DATA SHEET | TB-5 | |
|---|--------------------------------|--------------------|---------------|-----|
| Lab Name: Buck Envir | conmental Labs, Inc.Co | ontract: | | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: BELO | 331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0311022-03B | |
| Sample wt/vol: 5 | (g/mL) <u>uL</u> | Lab File ID: | 5301053.D | |
| Level: (low/med) | LOW | Date Received: | 11/04/03 | |
| <pre>% Moisture: not dec.</pre> | | Date Analyzed: | 11/07/03 | |
| GC Column: <u>J&W</u> , <u>DB-V</u> | <u>VRX</u> ID: <u>.45</u> (mm) | Dilution Factor: | 1.00 | |
| Soil Extract Volume: | (µL) | Soil Aliquot Volu | ume(µL) | |
| | | CONCENTRATION UNIT | rs: | |
| CAS NO. | COMPOUND | (µg/L or µg/Kg) | MG/L | Q |
| 67-56-1 | Methanol | | 1 | U |

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.

Surrogates were diluted beyond the range of quantitation in several samples. No data have been qualified based on diluted surrogates. Recovery for one surrogate was outside control limits in samples MW-27, MW-31, MW-28, MW-29, and MW-18 and recoveries for two surrogates were outside of control limits in samples MW-19 and MW-8S. Associated sample results with two surrogate recoveries outside of control limits have been qualified as estimated. 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.

The internal standard recovery of Chrysene-d12 was above the control limit in samples MW-31, MW-29, and MW-19. No sample results were associated with the deviate internal standard therefore no data were qualified. All other 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.

Samples MW-27, DUP-2 and MW-28 contained aniline above the linear range and sample MW8S contained analine and N,N'-Dimethylaniline above the linear range. Data for the listed compounds in associated samples have been replaced with data from the dilution analyses. All other 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 MS/MSD recoveries and relative percent difference (RPD) between recoveries for aniline were outside control limits. The MSB was, however, within control limits for aniline. No data have been qualified based on the deviations.

9. Field Duplicates

Results for duplicate samples are summarized as follows:

| Sample ID/ Duplicate ID | Analyte | Sample Result | Duplicate Result | RPD |
|----------------------------|---------------------|------------------|---------------------|-------|
| MW-27 / DUP-2 | Aniline | 3700 | 2900 | 24.0% |
| | N,N-Dimethylaniline | ND | 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

The original sample aniline results in the following samples were incorrectly calculated by the laboratory (DUP-2, DUP-2DL, MW-8S, MW-8SDL, MW-27, MW-27DL, MW-28, MW-28DL, MW-29). The sample results have been corrected and include in the corrected data sheets.

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 🕔

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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>X</u> | |
| Is there a narrative or cover letter present? | <u> </u> | | |
| Are the sample numbers included in the narrative? | <u>X</u> | | |
| Are the sample chain-of-custodies present? | <u> </u> | | |
| Do the chain-of-custodies indicate any problems with sample receipt or sample condition? | | X | |
| Holding Times | | | |
| Have any holding times been exceeded? | | <u> </u> | |
| Surrogate Recovery | | | |
| Are the surrogate recovery forms present? | <u> </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? | | <u> </u> | |
| <u>Matrix Spikes</u> | | | |
| Is there a matrix spike recovery form present? | <u> </u> | | |
| Were matrix spikes analyzed at the required frequency | X | | |
| 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? | | | |
| <u>1</u> out of <u>2</u> | | | |
| <u>Blanks</u> | | | |
| Is the method blank summary form present? | X | | |
| Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent? | <u>X</u> | | |
| Has a blank been analyzed for each GC/MS system used? | <u>X</u> | | |
| Do any method/reagent/instrument blanks have positive results? | | <u>X</u> | |
| Are there field/rinse/equipment blanks associated with every sample? | | _ <u>X</u> | |

Semivolatile Organics Data Validation Checklist - Page 2

| | YES | NO | NA |
|---|--------------|----------|-------------|
| Do any field/rinse blanks have positive results? | | | X |
| Tuning and Mass Calibration | | | |
| Are the GC/MS tuning forms present for DFTPP? | _ <u>_</u> X | | |
| Are the bar graph spectrum and mass/charge listing provided for each DFTPP? | <u>X</u> | <u>.</u> | |
| Has a DFTPP been analyzed for each twelve hours of analysis per instrument? | X | | |
| Have the ion abundance criteria been met for each instrument used? | _ <u>_</u> X | | |
| Target Analytes | | | |
| ls an organics analysis data sheet present for each of the following: | | | |
| Samples | <u> </u> | | |
| Matrix spikes | <u> </u> | | |
| Blanks | <u> </u> | | |
| Has GPC cleanup been performed on all soil/sediment sample extracts? | | <u></u> | <u> </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? | X | | |
| Are the mass spectra of the identified compounds present? | _ <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? | | | |
| 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? | | X | |
| | | | |

Semivolatile Organics Data Validation Checklist - Page 3

| | YES | NO | NA |
|--|------------|------------|----|
| Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum? | <u> </u> | | |
| 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> </u> | | |
| Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture? | <u> </u> | <u>-</u> | |
| <u>Standard Data</u> | | | |
| Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards? | <u>X</u> | | |
| Initial Calibration | | | |
| Are the initial calibration forms present for each instrument used? | <u> </u> | | |
| Are the response factor RSDs within acceptable limits? | <u> </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> | 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>X</u> | | |
| Are all RF equal to or greater than minimum requirements? | <u> </u> | | |
| Are there any transcription/calculation errors in reporting of RF or %D? | | _ <u>x</u> | |
| Internal Standards | | | |
| Are internal standard areas of the samples and blanks 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> </u> | | |

Semivolatile Organics Data Validation Checklist - Page 4

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Field Duplicates

Were field duplicates submitted with the samples? X______

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

| Sample ID | Holding Time* | S(| urrogate | s* | | lr | iternal S | tandard | s* | |
|-----------------|------------------|-----|----------|----------|----------|-----|-----------|---------|-----|-----|
| | Time* | NBZ | FBP | ТРН | DCB | NPT | ANT | PHN | CRY | PRY |
| MW-27 | | | | ļ | | | | | | |
| MW-31 | | | | 1 | | | | | 1 | |
| MW-28 | | | | L | | | | | | |
| MW-29 | | | | 1 | | | | | Ţ | |
| MW-30 | | | | | | | | | | |
| DUP-2 | | | | | | | | | | |
| TB-3 | | | | | | | | | | |
| MW-8S* | | 1 | | 1 | | | | | | |
| MW-19 | | Ļ | | <u> </u> | | · | | | 1 | |
| MW-18 | | | | l | | | | | | |
| MW-24DR | | | | | | | | | | |
| MW- <u>23</u> | | | | | | | | | | |
| MW-24S <u>R</u> | | | | | | | | | | |
| MW-23S | | | | | | | | _ | | |
| PZ5S | | | | | | | | | | |
| PZ5D | | | | | | | L | | | |
| TB-4 | | | | | | | Ĺ | | | |
| MW-25S | | | | | | | | | | |
| <u>MW-17R</u> | | | | | | | | | | |
| TB-5 | | | | | | | | | Ĺ | |
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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:

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Recovery low Recovery high

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

Semivolatile Calibration Outliers

Instrument: <u>MSD2</u> Level: <u>low</u>

| Date/Time | <u>.</u> 11 | /06/03 | 11/10 | 0/03 04 | 09 | 11/03 9:05 | 11/1 | 1/03 29 | | /12/03 1335 |
|----------------------|-------------|----------|-------|------------|-----|---------------|-------|------------|-----|----------------|
| | Init | ial Cal. | Cont. | Cal. | Con | t. Cal. | Cont. | Cal. | Col | nt. Cal. |
| | RF | %RSD | RF | %D | RF | %D | RF | %D | RF | %D |
| aniline | | | | | | | | | | |
| n,n'-dimethylaniline | | | | | | | | | | |
| Affected Samples: | | | | | | | | | | |
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Semivolatile Calibration Outliers - Page 2

Instrument: <u>MSD2</u> Level: <u>low</u>

| Date/Time | . 11 | /06/03 | 11/1 | 8/03 39 | | | | | | |
|----------------------|------|----------|------|------------|------|--------|------|--------|-----|------------------|
| | Init | ial Cal. | Cont | . Cal. | Cont | . Cal. | Cont | . Cal. | Coi | nt <i>.</i> Cal. |
| | RF | %RSD | RF | %D | RF | %D | RF | %D | RF | %D |
| aniline | | | | | | | | | | |
| n,n'-dimethylaniline | | | | | | | | | | |
| Affected Samples: | | | | | | | | | | |
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Corrected Sample Analysis Data Sheets

| | 1C | | EPA SAMPLE NO. |
|-----------------------------|----------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DATA | A SHEET | DUP-2 |
| Lab Name: <u>Buck Envir</u> | onmental Labs, In Contrac | t: <u>BBL</u> | L |
| Lab Code: <u>10795</u> | Case No.: SA | S No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | |
| Sample wt/vol: | <u>990</u> (g/mL) & MB | Lab File ID: | 1001010.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: 1000 (µL) | Date Analyzed: | <u>11/11/03</u> |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | TRATION UNITS: |
| CAS NO. | COMPOUND | | or µg/Kg) UG/L Q |
| 62-53-3 | | | 5 U |

FORM I SV- 1

OLM04.2



| | 10 | | EPA SAMPLE NO. |
|----------------------------|-----------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DAT. | A SHEET | DUP-2 |
| Lab Name: <u>Buck Envi</u> | conmental Labs, In Contrac | t: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: SA | S No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-09A</u> |
| Sample wt/vol. | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | 1001010.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted: (Y/N) N | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/11/03 |
| Injection Volume: | $\underline{1}$ (PL) | Dilution Factor: | <u>1.00</u> |
| GPC Cleanup: (Y/N) | <u>и</u> рн | Extraction: (Type) | |
| | \mathbf{X} | CONCEN | TRATION UNITS: |
| CAS NO. | COMPOUND | (µg/L | or µg/Kg) <u>UG/L</u> Q |
| 62-53-3 | Aniline | | 22000 E |
| 121-69-7 | N,N-Dimethylaniline | | 5 U |

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| Lab Code: 10795 Case No.:SAS No.:SDG No.: $BEL0331$ Matrix: (soil/water)WATERLab Sample ID: $0310292-09A$ Sample wt/vol:990(g/mL)Lab File ID: $1101011.D$ Level:(low/med)LOWMDate Received: $10/31/03$ % Moisture:Decanted: (Y/N)NDate Extracted: $11/04/03$ Concentrated Extract Volume: 1000 (µL)Date Analyzed: $11/12/03$ Injection Volume: 1 (µL)Dilution Factor: 20.00 | Lab Name: Buck Environmental Labs, In Contract: BEL Lab Code: 10795 Case No.: SAS No.: | Lab Name: Buck Environmental Labs, In Contract: BEL Lab Code: 10795 Case No.: SAS No.: | SEMIVOLAT | | | EPA SAMPLE NO. |
|--|--|--|-----------------------------|---------------------------|-------------------|-------------------------|
| Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0331 Matrix: (soil/water) WATER Lab Sample ID: 0310292-09A Sample wt/vol: 990 (g/mL) Lab File ID: 1101011.D Level: (low/med) LOW M Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N PH: Extraction: CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0331 Matrix: (soil/water) WATER Lab Sample ID: 0310292-09A Sample wt/vol: 990 (g/mL) Lab File ID: 1101011.D Level: (low/med) LOW M Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N PH: Extraction: CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0331 Matrix: (soil/water) WATER Lab Sample ID: 0310292-09A Sample wt/vol: 990 (g/mL) Lab File ID: 1101011.D Level: (low/med) LOW M Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N PH: Extraction: CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | | 'ILE ORGANICS ANALYSIS DA | TA SHEET | DUP-2DL |
| Matrix: (soil/water) WATER Lab Sample ID: 0310292-09A Sample wt/vol: 990 (g/mL) Lab File ID: 1101011.D Level: (low/med) LOW Mutrix Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N PH: Extraction: CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | Matrix: (soil/water) WATER Lab Sample ID: 0310292-09A Sample wt/vol: 990 (g/mL) Lab File ID: 1101011.D Level: (low/med) LOW Mu Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N PH: Extraction: CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | Matrix: (soil/water) WATER Lab Sample ID: 0310292-09A Sample wt/vol: 990 (g/mL) Lab File ID: 1101011.D Level: (low/med) LOW Jow Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) M pH: Extraction: CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | Lab Name: <u>Buck Envir</u> | conmental Labs, In Contra | act: <u>BBL</u> | |
| Sample wt/vol: <u>990</u> (g/mL) Lab File ID: <u>1101011.D</u> Level: (low/med) LOW W Date Received: <u>10/31/03</u> % Moisture: Decanted: (Y/N) <u>N</u> Date Extracted: <u>11/04/03</u> Concentrated Extract Volume: <u>1000</u> (µL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) <u>UG/L</u> C | Sample wt/vol: <u>990</u> (g/mL) Lab File ID: <u>1101011.D</u> Level: (low/med) LOW Date Received: <u>10/31/03</u> % Moisture: Decanted: (Y/N) <u>N</u> Date Extracted: <u>11/04/03</u> Concentrated Extract Volume: <u>1000</u> (µL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) <u>UG/L</u> CONCENTRATION UNITS: 2900 | Sample wt/vol: <u>990</u> (g/mL) Lab File ID: <u>1101011.D</u> Level: (low/med) LOW Date Received: <u>10/31/03</u> % Moisture: Decanted: (Y/N) <u>N</u> Date Extracted: <u>11/04/03</u> Concentrated Extract Volume: <u>1000</u> (µL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) <u>UG/L</u> CONCENTRATION UNITS: 2900 | Lab Code: <u>10795</u> | Case No.: S | AS No.: | SDG No.: <u>BEL0331</u> |
| Level: (low/med) LOW Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L C 62-53-3 Aniline 2900 | Level: (low/med) LOW Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L C 62-53-3 Aniline 2900 | Level: (low/med) LOW Date Received: 10/31/03 % Moisture: Decanted: (Y/N) N Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/12/03 Injection Volume: 1 (µL) Dilution Factor: 20.00 GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L C 62-53-3 Aniline 2900 | Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-09A |
| <pre>% Moisture: Decanted: (Y/N) N Date Extracted: <u>11/04/03</u> Concentrated Extract Volume: <u>1000</u> (μL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (μL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (μg/L or μg/Kg) UG/L Q 62-53-3 Aniline 2900</pre> | <pre>% Moisture: Decanted: (Y/N) N Date Extracted: <u>11/04/03</u> Concentrated Extract Volume: <u>1000</u> (μL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (μL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (μg/L or μg/Kg) UG/L CO 62-53-3 Aniline 2900</pre> | <pre>% Moisture: Decanted: (Y/N) N Date Extracted: <u>11/04/03</u> Concentrated Extract Volume: <u>1000</u> (μL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (μL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (μg/L or μg/Kg) UG/L CO 62-53-3 Aniline 2900</pre> | Sample wt/vol: | <u>990</u> (g/mL) | Lab File ID: | <u>1101011.D</u> |
| Concentrated Extract Volume: <u>1000</u> (µL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: <u>Extraction</u> : (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) <u>UG/L</u> Q 62-53-3 Aniline 2900 | Concentrated Extract Volume: <u>1000</u> (µL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: <u>Extraction</u> : (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) <u>UG/L</u> CO 62-53-3 Aniline 2900 | Concentrated Extract Volume: <u>1000</u> (µL) Date Analyzed: <u>11/12/03</u> Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: <u>Extraction</u> : (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) <u>UG/L</u> CO 62-53-3 Aniline 2900 | Level: (low/med) | LOW AB | Date Received: | 10/31/03 |
| Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) <u>UG/L</u> C 62-53-3 Aniline 2900 | Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) <u>UG/L</u> C 62-53-3 Aniline 2900 | Injection Volume: <u>1</u> (µL) Dilution Factor: <u>20.00</u> GPC Cleanup: (Y/N) <u>N</u> pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) <u>UG/L</u> C 62-53-3 Aniline 2900 | % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | <u>11/04/03</u> |
| GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | GPC Cleanup: (Y/N) N pH: Extraction: (Type) CONCENTRATION UNITS: CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | <u>11/12/03</u> |
| CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | CONCENTRATION UNITS: CAS NO. COMPOUND (µġ/L or µg/Kg) UG/L Q 62-53-3 Aniline 2900 | Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 20.00 |
| CAS NO. COMPOUND (μġ/L or μg/Kg) <u>UG/L</u> C 62-53-3 Aniline 2900 | CAS NO. COMPOUND (μġ/L or μg/Kg) <u>UG/L</u> C 62-53-3 Aniline 2900 | CAS NO. COMPOUND (μġ/L or μg/Kg) <u>UG/L</u> C 62-53-3 Aniline 2900 | GPC Cleanup: (Y/N) | N рН: | Extraction: (Type |) |
| 62-53-3 Aniline 2900 | 62-53-3 Aniline 2900 | 62-53-3 Aniline 2900 | | | CONÇE | NTRATION UNITS: |
| | | | CAS NO. | COMPOUND | / | |
| 121-69-7 N,N-Dimethyraniline 100 C | 121-69-7 N.N-Dimethylaniline 100 C | 121-69-7 N.N-Dimethylahiline 100 (| | | | |
| | | | | | | |
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| | | | | | | |

OLM04.2

359 correction

| | 10 | | EPA SAMPLE NO. |
|------------------------|-----------------------------|-------------------|-------------------------|
| SEMIVOLAT | TILE ORGANICS ANALYSIS DAT | IA SHEET | DUP-2DL |
| Lab Name: Buck Envi: | ronmental Labs, In Contra | ct: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: Sa | AS No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-09A |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | <u>1101011.,D</u> |
| Level: (low/med) | LOW | Date Received: | <u>10/31/03</u> |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/104/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 20.00 |
| 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 | | 3600 |

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| CAD NO. | Com Com | rding of rding) of | |
|----------|---------------------|--------------------|------|
| 62-53-3 | Aniline | 3600 | -E-U |
| 121-69-7 | N,N-Dimethylaniline | 100 | U |

| | 10 | | | EPA SAMPLE NO. |
|------------------------|---------------------|-------------------|--------------------|-------------------------|
| SEMIVOLAT. | DUP-2DL | | | |
| Lab Name: Buck Envir | onmental Labs, I | <u>n</u> Contract | : BBL | |
| Lab Code: <u>10795</u> | Case No.: | SAS | No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | | Lab Sample ID: | 0310292-09A |
| Sample wt/vol: | <u>990</u> (g/mL) | ml | Lab File ID: | <u>030100</u> 3.D |
| Level: (low/med) | LOW | | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted:(Y/N) | N | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> | (µL) | Date Analyzed: | 11/18/03 |
| Injection Volume: | <u>1</u> (µL) | | Dilution Factor: | 50.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: _ | | Extraction: (Type) | |
| | | | CONCEN | TRATION UNITS: |

1.1

13

 CAS NO.
 COMPOUND
 (µg/L or µg/Kg)
 UG/L
 Q

 62-53-3
 Aniline
 3600
 121-69-7
 VN-Dimethylaniline
 250
 U

1C SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

| | | | MW-8S |
|----------------------------|----------------------------|-------------------|--------------------------|
| Lab Name: <u>Buck Envi</u> | ronmental Labs, In Contrac | ct: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: SA | AS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-05A</u> |
| Sample wt/vol: | <u>985</u> (g/mL) | Lab File ID: | <u>1401014.D</u> |
| Level: (low/med) | LOW AB | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) N | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | <u>11/12/03</u> |
| 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 | 1.70 | 66 43000 -E-N |
| 121-69-7 | N,N-Dimethylaniline | | (43000 -E-N -5400E-N |

FORM I SV- 1

OLM04.2

367 correction

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-8SDL

| Lab Name: <u>Buck Envi</u> | | | |
|----------------------------|---------------------|----------------------------|-------------------------|
| Lab Code: <u>10795</u> | Case No.: SA | S No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-05A |
| Sample wt/vol: | <u>985</u> (g/mL) | Lab File ID: | <u>0301003.D</u> |
| Level: (low/med) | LOW IB | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: 1000 (µL) | Date Analyzed: | <u>11/12/03</u> |
| Injection Volume: | <u>1</u> (μL) | Dilution Factor: | <u>1,000.00</u> |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type CONCE |) |
| CAS NO. | COMPOUND | (µg/L | or µg/Kg) <u>UG/L</u> Q |
| 62-53-3 121-69-7 | | | 67000 24000 |

FORM I SV- 1

OLM04.2



| | 1C | | EPA SAMPLE NO. |
|------------------------|----------------------------|-------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DAT | A SHEET | MW-8S |
| Lab Name: Buck Envir | ronmental Labs, In Contrac | t: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: SA | S No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-05A</u> |
| Sample wt/vol: | <u>985</u> (g/mL) g | Lab File ID: | <u>1401014.D</u> |
| Level: (low/med) | LOW AD | Date Received: | <u>10/31/03</u> |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | <u>11/04/03</u> |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/12/03 |
| 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 | | 550000 -3 Gul - E-D |
| 121-69-7 | N,N-Dimethylaniline | | -5400 28,00 ED |
| | | | |
| | / | / | |

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| | lC | | EPA SAMPLE NO. | | |
|------------------------|---|-------------------|-------------------------|--|--|
| SEMIVOLAT | SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET | | | | |
| Lab Name: Buck Envir | conmental Labs, In Contra | ct: <u>BBL</u> | l | | |
| Lab Code: <u>10795</u> | Case No.: SA | AS No.: | SDG No.: <u>BEL0331</u> | | |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-05A | | |
| Sample wt/vol: | <u>985</u> (g/mL) <u>ml</u> | Lab File ID: | 0301003.D | | |
| Level: (low/med) | LOW | Date Received: | 10/31/03 | | |
| <pre>% Moisture:</pre> | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 | | |
| Concentrated Extract | Volume: 1000 (µL) | Date Analyzed: | 11/12/03 | | |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1,000.00 | | |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type |) | | |

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CONCENTRATION UNITS:

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/L</u> Q |
|---------|---------------------|-------------------------------|
| 62-53-3 | Aniline | 83000 |
| 121-69- | N,N-Dimethylaniline | 23000 |

| | 1C | | EPA SAMPLE NO. |
|------------------------|-----------------------------|-------------------|-------------------------|
| SEMIVOLAT | TILE ORGANICS ANALYSIS DA | TA SHEET | MW-17R |
| Lab Name: Buck Envi: | ronmental Labs, In Contra | | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> S. | AS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0311022-02A</u> |
| Sample wt/vol: | <u>960</u> (g/mL) <u>ml</u> | Lab File ID: | <u>0501005.D</u> |
| Level: (low/med) | LOW | Date Received: | 11/04/03 |
| <pre>% Moisture:</pre> | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: $1000 (\mu L)$ | Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>и</u> : На | Extraction: (Type |) |
| | | CONCE | NTRATION 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 Ŭ |

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| | 1C | | EPA SAMPLE NO. |
|-------------------------------------|----------------------------|-----------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSI | S DATA SHEET | MW-18 |
| Lab Name: <u>Buck Envir</u> | onmental Labs, In Co | ntract: | |
| Lab ⁻ Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310297-02A</u> |
| Sample wt/vol: | <u>975</u> (g/mL) m | <u>l</u> Lab File ID: | <u>0701007.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL |) Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>м</u> н | Extraction: (Type) | |
| | | CONCEN | TRATION UNITS: |

| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/</u> | <u>L</u> Q |
|----------|---------------------|----------------------------|------------|
| 62-53-3 | Aniline | 0.7 | J |
| 121-69-7 | N,N-Dimethylaniline | 5 | U |

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| 1C | | EPA SAMPLE NO. |
|--|------------------------------|-------------------------|
| SEMIVOLATILE ORGANICS | ANALYSIS DATA SHEET | MW-18 & A |
| Lab Name: Buck Environmental Labs | s, In Contract: | |
| Lab Code: <u>10795</u> Case No.: | C SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) WATER | Lab Sample ID: | 0310297-02A |
| Sample wt/vol: <u>975</u> (g/ | /mL) <u>ml</u> Lab File ID; | 1001010.D |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: Decanted:(Y/</pre> | (N) <u>N</u> Date Extracted: | 11/04/03 |
| Concentrated Extract Volume: 10 | 00 (μL) Date Analyzed: | 11/11/03 |
| Injection Volume: $\underline{1}$ (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) <u>N</u> pi | H: Extraction: (Type) | |

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (µg/L or | µg/Kg) | <u>UG/L</u> | Q |
|----------|---------------------|----------|--------|-------------|---|
| 62-53-3 | Aniline | | 0.7 | | J |
| 121-69-7 | N,N-Dimethylaniline | | 5 | | Ū |

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| | 1C | | EPA SAMPLE NO. |
|-----------------------------|-----------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS [| DATA SHEET | MW-19 |
| Lab Name: <u>Buck Envir</u> | onmental Labs, In Cont. | ract: | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310297-01A</u> |
| Sample wt/vol: | <u>990</u> (g/mL) <u>m1</u> | Lab File ID: | 0601006.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | |
| | | CONCEN | TRATION UNITS: |

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/L</u> Q |
|----------|---------------------|-------------------------------|
| 62-53-3 | Aniline | 51 |
| 121-69-7 | N,N-Dimethylaniline | 16) |

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| | 1C | | EPA SAMPLE NO. |
|-----------------------------|-----------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DAT | FA SHEET | MW-19 RAA |
| Lab Name: <u>Buck Envir</u> | conmental Labs, In Contra | ct: | <u> </u> |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> SA | AS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310297-01A |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | <u>0901009.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/11/03 |
| 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 Aniline | 54 |
| 121-69- | | 16 |

| | 1C | | EPA SAMPLE NO. |
|-----------------------------|-----------------------------|--------------------|--------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS (| DATA SHEET | MW-23I |
| Lab Name: <u>Buck Envir</u> | onmental Labs, In Cont | ract: | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG NO BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310297-04A</u> |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | Ø901009.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | |
| | | CONCEN | TRATION UNITS: |

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) UG, | <u>′L</u> Q |
|----------|---------------------|---------------------|-------------|
| 62-53-3 | Aniline | 5 | T U |
| 121-69-7 | N,N-Dimethylaniline | 5 | U |

| | 1C | | EPA SAMPLE NO. |
|------------------------|-----------------------------|--------------------|--------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS I | DATA SHEET | MW-23I RA |
| Lab Name: Buck Envir | onmental Labs, In Cont | ract: | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310297-04A |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | <u>1101011.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/11/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>м</u> рн: | Extraction: (Type) | |
| | | | TRATION UNITS: |
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| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/</u> | <u> </u> |
|----------|---------------------|----------------------------|----------|
| 62-53-3 | Aniline | 5 | U |
| 121-69-7 | N,N-Dimethylaniline | 55 | U |

| 10 | | EPA SAMPLE NO. |
|--|-------------------|------------------|
| SEMIVOLATILE ORGANICS ANALYSIS | DATA SHEET | MW-235 |
| Lab Name: Buck Environmental Labs, In Cont | ract: | |
| Lab Code: <u>10795</u> Case No.: <u>C</u> | SAS No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) WATER | Lab Sample ID: | 0310297-06A |
| Sample wt/vol: 1000 (g/mL) ml | Lab File ID: | <u>1101011.D</u> |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| <pre>% Moisture: Decanted:(Y/N) N</pre> | Date Extracted: | 11/04/03 |
| Concentrated Extract Volume: 1000 (µL) | Date Analyzed: | 11/10/03 |
| Injection Volume: $\underline{1}$ (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) <u>N</u> pH: | Extraction: (Type |) |
| | CONCE | NTRATION UNITS: |

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/</u> | <u>L</u> Q |
|---------|---------------------|----------------------------|------------|
| 62-53-3 | Aniline | 60 | |
| 121-69- | N,N-Dimethylaniline | 5 | U |

| | 1C | | EPA SAMPLE NO. |
|-----------------------------|-----------------------------|--------------------|-------------------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DAT | 'A SHEET | MW-24DR |
| Lab Name: <u>Buck Envir</u> | onmental Labs, In Contra | ct: | L |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> SA | AS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310297-03A |
| Sample wt/vol: | <u>940</u> (g/mL) <u>ml</u> | Lab File ID: | 0801008.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | |
| CAS NO. | COMPOUND | | NTRATION UNITS: or µg/Kg) UG/L Q |

| CAS NO. | CONTOURD | μα/Π ΟΙ μα/πα) <u>Οα/</u> | <u> </u> |
|----------|---------------------|---------------------------|----------|
| 62-53-3 | Aniline | 0.5 | J |
| 121-69-7 | N,N-Dimethylaniline | 5 | U |

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| | lC | | EPA SAMPLE NO. |
|------------------------|-----------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS | DATA SHEET | MW-24SR |
| Lab Name: Buck Envir | onmental Labs, In Cont | :ract: | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | SAS No.: | SDG No.: <u>Bel0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310297-05A |
| Sample wt/vol: | <u>890</u> (g/mL) <u>ml</u> | Lab File ID: | 1001010.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | |
| | | CONCEN | TRATION UNITS: |

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/1</u> | ĽQ_ |
|----------|---------------------|-----------------------------|-----|
| 62-53-3 | Aniline | 16 | |
| 121-69-7 | N,N-Dimethylaniline | 6 | U |

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| | 1C | | EPA SAMPLE NO. |
|---|-----------------------------|-------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DA | ATA SHEET | MW-25S |
| Lab Name: Buck Environmental Labs, In Contract: | | | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> 5 | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0311022-01A</u> |
| Sample wt/vol: | <u>990</u> (g/mL) <u>m1</u> | Lab File ID: | 0401004.D |
| Level: (low/med) | LOW | Date Received: | 11/04/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type |) |
| | | CONCE | VTRATION UNITS: |

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| CAS NO. | COMPOUND | (µg/L c | r µg/Kg) | UG/L | Q |
|----------|---------------------|---------|----------|------|----|
| 62-53-3 | Aniline | | 5 | | U |
| 121-69-7 | N,N-Dimethylaniline | | 5 | | U. |

EPA SAMPLE NO.

MW-27

1D

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Buck Environmental Labs, In Contract: BBL Lab Code: 10795 Case No.: SAS No.: SDG No.: BEL0331 Matrix: (soil/water) WATER Lab Sample ID: 0310292-01A Lab File ID: Sample wt/vol: <u>975</u> (g/mL) 0501005.D Level: (low/med) LOW Date Received: 10/31/03 % Moisture: Decanted:(Y/N) Ν Date Extracted: 11/04/03 Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/11/03 Injection Volume: $\underline{1}$ (µL) Dilution Factor: 1.00 Extraction: (Type) GPC Cleanup: (Y/N) <u>N</u> pH: ____ CONCENTRATION UNITS: CAS NO. (µg/L or µg/Kg) <u>UG/L</u> COMPOUND Q 62-53-3 Aniline 2 266 1400 121-69-7 N,N-Dimethylaniline 5

FORM I SV- 1

OLM04.2



| 1C | | EPA SAMPLE NO. |
|---|-------------------|-------------------------|
| SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET | | MW-27DL |
| Lab Name: <u>Buck Environmental Labs, In</u> Contract: <u>BBL</u> | | |
| Lab Code: <u>10795</u> Case No.: SA | S No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: | <u>0310292-01A</u> |
| Sample wt/vol: <u>975</u> (g/mL) | Lab File ID: | <u>0801008.D</u> |
| Level: (low/med) LOW | Date Received: | 10/31/03 |
| % Moisture: Decanted:(Y/N) N | Date Extracted: | 11/04/03 |
| Concentrated Extract Volume: 1000 (µL) | Date Analyzed: | <u>11/12/03</u> |
| Injection Volume: $\underline{1}$ (µL) | Dilution Factor: | <u>50.00</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 121-69-7 N,N-Dimethylaniline | | 3700 260 U |

FORM I SV- 1

OLM04.2



| | 10 | | EPA SAMPLE NO. |
|-----------------------------|-----------------------------|--------------------|-------------------------|
| | ONMENTAL LADS, IN CONTRACT | | MW-27 |
| Lab Name: <u>Buck Envil</u> | onnental Labs, In Contract | | |
| Lab Code: <u>10795</u> | Case No.: SAS | 8 No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-01A |
| Sample wt/vol: | <u>975</u> (g/mL) <u>ml</u> | Lab File ID: | 0501005.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/11/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | |

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CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/L</u> | Q |
|----------|---------------------|-----------------------------|-----|
| 62-53-3 | Aniline | 4(c) 12000 AAAA | -ED |
| 121-69-7 | N,N-Dimethylaniline | 5 | Ū |

| | 1C | | EPA SAMPLE NO. |
|----------------------------|---|-------------------|-------------------------|
| SEMIVOLAT | SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET | | |
| Lab Name: <u>Buck Envi</u> | ronmental Labs, In Contra | ct: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: S. | AS No.: | SDG No.: <u>Bel0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-01A |
| Sample wt/vol: | <u>975</u> (g/mL) <u>m1</u> | Lab File ID: | 1201012.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/11/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 20.00 |
| GPC Cleanup: (Y/N) | <u>м</u> рН | Extraction: (Type |) |
| | | CONCE | NTRATION UNITS: |

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/L</u> | Q |
|----------|---------------------|-----------------------------|---|
| 62-53-3 | Aniline | 3500 | E |
| 121-69-7 | N,N-Dimethylaniline | 100 | U |

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بالاستعادية بالمثلة باللحا فتوقر بالجما

| | 1C | | EPA SAMPLE NO. |
|------------------------|----------------------------|--------------------|-------------------------|
| | ILE ORGANICS ANALYSIS | | MW-27DL |
| Lab Name: Buck Envir | onmental Labs, In Co | ntract: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-01A |
| Sample wt/vol: | <u>975</u> (g/mL) <u>m</u> | Lab File ID: | 0801008.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: 1000 (µL |) Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 50.00 |
| GPC Cleanup: (Y/N) | <u>м</u> рн: | Extraction: (Type) | |
| | | CONCEN | TRATION UNITS: |

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| CAS NO. | COMPOUND | (µg/L or µg/Kg) <u>UG/I</u> | <u> </u> |
|----------|----------------------|-----------------------------|----------|
| 62-53-3 | Aniline | 4600 | |
| 121-69-7 | N, N-Dimethylaniline | 260 | υ |

| 1C | | | | |
|--------------|----------|----------|------|-------|
| SEMIVOLATILE | ORGANICS | ANALYSIS | DATA | SHEET |

EPA SAMPLE NO.

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| | MW-28 |
|--|-----------------------------------|
| Lab Name: <u>Buck Environmental Labs, In</u> Contrac | ct: <u>BBL</u> |
| Lab Code: <u>10795</u> Case No.: SA | S No.: SDG No.: BEL0331 |
| Matrix: (soil/water) <u>WATER</u> | Lab Sample ID: <u>0310292-03A</u> |
| Sample wt/vol: <u>990</u> (g/mL) | Lab File ID: 0701007.D |
| Level: (low/med) LOW | Date Received: <u>10/31/03</u> |
| % Moisture: Decanted:(Y/N) <u>N</u> | Date Extracted: <u>11/04/03</u> |
| Concentrated Extract Volume: 1000 (µL) | Date Analyzed: <u>11/11/03</u> |
| Injection Volume: $\underline{1}$ (µL) | Dilution Factor: <u>1.00</u> |
| GPC Cleanup: (Y/N) <u>N</u> pH: | Extraction: (Type) |
| | CONCENTRATION UNITS: |
| CAS NO. COMPOUND | (µg/L or µg/Kg) <u>UG/L</u> Q |
| 62-53-3 Aniline 121-69-7 N,N-Dimethylaniline | 19:1 850 - E N 5 U |

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431 correction

| | 1C | | EPA SAMPLE NO. |
|----------------------------|--------------------------------|--------------------|-------------------------|
| SEMIVOLAT | TILE ORGANICS ANALYSIS DA | ATA SHEET | MW-28DL |
| Lab Name: <u>Buck Envi</u> | ronmental Labs, In Contra | act: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>Bel0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-03A</u> |
| Sample wt/vol: | <u>990</u> (g/mL) | Lab File ID: | <u>1301013.D</u> |
| Level: (low/med) | LOW TB | Date Received: | <u>10/31/03</u> |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | <u>11/04/03</u> |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor, | 20.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | 1 |
| | | CONCEN | TRATION UNITS: |
| CAS NO. | COMPOUND | (µg/L | or µg/Kg) <u>UG/L</u> Q |
| 62-53-3 121-69-7 | Aniline N,N-Dimethylaniline | · | 1900 100 ບ |
| | | | |

129 correction . 11

| | 1C | | EPA SAMPLE NO. |
|------------------------|----------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DATA | A SHEET | MW-28DL |
| Lab Name: Buck Envir | onmental Labs, In Contrac | t: <u>BBL</u> | L |
| Lab Code: <u>10795</u> | Case No.: SAS | S No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-03A |
| Sample wt/vol: | <u>990</u> (g/mL) G | Lab File ID: | <u>0901009.D</u> |
| Level: (low/med) | LOW JB | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: 1000 (µL) | Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 10.00 |
| 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 | Anilíne | - | 1500 |
| 121-69-7 | N,N-Dimethylaniline | | 50 IJ |
| | | | |

126 conception

| | 1C | | EPA SAMPLE NO. |
|-----------------------------|--------------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DATA | A SHEET | MW-28DL |
| Lab Name: <u>Buck Envir</u> | conmental Labs, In Contrac | t: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: SAS | S No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-03A</u> |
| Sample wt/vol: | <u>990</u> (g/mL) Enl | Lab File ID: | <u>1401014.D</u> |
| Level: (low/med) | LOW AB | Date Received: | <u>10/31/03</u> |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: 1000 (µL) | Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 50.00 |
| 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 |
| 62-53-3 121-69-7 | Aniline N,N-Dimethylaniline | | 2200 250 U |
| | | | |

113 correction Bill

| | 1C | | EPA SAMPLE NO. |
|-----------------------------|-------------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS I | DATA SHEET | MW-28 |
| Lab Name: <u>Buck Envir</u> | <u>onmental Labs, In</u> Cont | ract: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG NO.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-03A</u> |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | 0701007.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/11/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | <u>1.00</u> |
| 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 |
| | Aniline | / | 6900 1400 -E-D |
| 121-69-7 | N,N-Dimethylaniline | | 5 <u> </u> |

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| | 10 | | EPA SAMPLE NO. | | |
|------------------------|---|--------------------|-------------------------|--|--|
| SEMIVOLAT | SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET | | | | |
| Lab Name: Buck Envir | onmental Labs, In Contract | t: <u>BBL</u> | | | |
| Lab Code: <u>10795</u> | Case No.: SAS | S Nọ.: | SDG No.: <u>BEL0331</u> | | |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-03A | | |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | 0901009.D | | |
| Level: (low/med) | LOW | Date Received: | 10/31/03 | | |
| <pre>% Moisture:</pre> | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 | | |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/12/03 | | |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 10.00 | | |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | | | |
| | | CONCEN | TRATION UNITS: | | |

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| | CAS NO. | COMPOUND | (µg/L оr µg/Kg) <u>UG/</u> | <u>L</u> Q | |
|---|----------|---------------------|----------------------------|------------|--|
| [| 62-53-3 | Aniline | 1900 | E | |
| | 121-69-7 | N,N-Dimethylaniline | 50 | U | |

| | 10 | | EPA SAMPLE NO. |
|------------------------|-----------------------------|-------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS D | DATA SHEET | MW-28DL |
| Lab Name: Buck Envir | conmental Labs, In Contr | ract: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-03A |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | <u>1301013.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 20.00 |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type |) |
| | | CONCE | NTRATION UNITS: |
| CAC NO | COMPOUND | lug /T | or ug/Kg) UC/I O |

| | CAS NO. | COMPOUND | (μα/μ οτ | μα/κα) υα | <u>1/</u> 2 | Q | |
|---|---------|-------------------------------|----------|-----------|-------------|---|---|
| 1 | | 62-53-3 Aniline | | 2400 | | | |
| | | 121-69-7 N, N-Dimethylaniline | | 100 | | U | ĺ |

| | | CUERO | EPA SAMPLE NO. |
|-----------------------------|-----------------------------|--------------------|-------------------------|
| SEMIVOLATI | ILE ORGANICS ANALYSIS DATA | SHEET | MW~28DL |
| Lab Name: <u>Buck Envir</u> | onmental Labs, In Contract | t: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: SAS | 8 No.: | SDG NO.: <u>BELÓ331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-03A |
| Sample wt/vol: | <u>990</u> (g/mL) <u>ml</u> | Lab File ID: | <u>1401014.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: 1000 (µL) | Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 50.00 |
| GPC Cleanup: (Y/N) | <u>N</u> , bH: | Extraction: (Type) | |

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (µg/L or µg/Kg) UG/L | Q |
|----------|---------------------|----------------------|---|
| 62-53-3 | Aniline | 2800 | |
| 121-69-7 | N,N-Dimethylaniline | 250 | U |

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| | 1C | | EPA SAMPLE NO. |
|----------------------------|-----------------------------|-------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS | DATA SHEET | MW-29 |
| Lab Name: <u>Buck Envi</u> | ronmental Labs, In Cont | ract: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-04A |
| Sample wt/vol: | <u>920</u> (g/mL) <u>ml</u> | Lab File ID: | 0801008.D |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: $1000 (\mu L)$ | Date Analyzed: | 11/11/03 |
| 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 |

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| 62-53-3 Aniline | 2 | J | |
|------------------------------|---|---|--|
| 121-69-7 N,N-Dimethylaniline | 5 | Ŭ | |
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| | 1C | | EPA SAMPLE NO. |
|------------------------|----------------------------|--------------------|-------------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DAT. | A SHEET | MW-29 |
| Lab Name: Buck Envir | ronmental Labs, In Contrac | t: <u>BBL</u> | RAB |
| Lab Code: <u>10795</u> | Case No.: SA | S No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-04A</u> |
| Sample wt/vol: | <u>920</u> (g/mL) g. | Lab File ID: | 1001010.D |
| Level: (low/med) | \underline{low} 4B | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/12/03 |
| 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 | | | 0.5 J |
| 121-69-7 | N,N-Dimethylaniline | | 5 U |
| | | | |

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| | 1C | | EPA SAMPLE NO. |
|------------------------|-----------------------------|--------------------|--------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS | DATA SHEET | MW-29 RA |
| Lab Name: Buck Envir | conmental Labs, In Con | tract: BBL | 40 |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-04A</u> |
| Sample wt/vol: | <u>920</u> (g/mL) <u>ml</u> | Lab File ID: | <u>1001010.D</u> |
| Level: (low/med) | LOW | Date Received: | <u>10/31/03</u> |
| <pre>% Moisture:</pre> | Decanted: (Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: $1000 (\mu L)$ | Date Analyzed: | 11/12/03 |
| 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/I</u> | <u> Q</u> |
|----------|---------------------|-----------------------------|---------------|
| 62-53-3 | Aniline | 0.7 | J |
| 121-69-7 | N,N-Dimethylaniline | 5 | U |

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| | 1C | | EPA SAMPLE NO. |
|------------------------|------------------------------|--------------------|-------------------------|
| SEMIVOLATI | ILE ORGANICS ANALYSIS D | ATA SHEET | MW-30 |
| Lab Name: Buck Envir | onmental Labs, In Contr | ract: BBL | |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310292-08A</u> |
| Sample wt/vol: | <u>1000</u> (g/mL) <u>ml</u> | Lab File ID: | <u>0901009.D</u> |
| Level: (low/med) | TOM | Date Received: | 10/31/03 |
| % Moisture: | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/11/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>N</u> H: | Extraction: (Type) | |
| | | CONCEN | TRATION UNITS: |

| CAS NO. | COMPOUND | (µg/L or | µg/Kg) | UG/L | Q | |
|---------|-----------------------|----------|--------|------|---|---|
| 62-53- | 3 Aniline | | 4 | | J | 7 |
| 121-69- | 7 N,N-Dimethylaniline | | 5 | | U | 7 |

| | 1C | | EPA SAMPLE NO. | | | | | | | | | |
|----------------------------|---|----------------------|-------------------------|--|--|--|--|--|--|--|--|--|
| SEMIVOLAT | SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET | | | | | | | | | | | |
| Lab Name: <u>Buck Envi</u> | ronmental Labs, In C | Contract: <u>BBL</u> | | | | | | | | | | |
| Lab Code: <u>10795</u> | Case No.: | SAS No.: | SDG No.: <u>BEL0331</u> | | | | | | | | | |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-02A | | | | | | | | | |
| Sample wt/vol: | <u>935</u> (g/mL) | ml Lab File ID: | 0601006.D | | | | | | | | | |
| Level: (low/med) | LOW | Date Received: | 10/31/03 | | | | | | | | | |
| <pre>% Moisture:</pre> | Decanted:(Y/N) | Date Extracted: | 11/04/03 | | | | | | | | | |
| Concentrated Extract | Volume: <u>1000</u> (µ | L) Date Analyzed: | 11/11/03 | | | | | | | | | |
| Injection Volume: | <u>`l</u> (µL) | Dilution Factor: | 1.00 | | | | | | | | | |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | | | | | | | | | | |
| | | CONCEN | TRATION UNITS: | | | | | | | | | |

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| CAS NO. | COMPOUND | (µg/l or µg/Kg) <u>UG/</u> | <u>L</u> Q |
|----------|---------------------|----------------------------|------------|
| 62-53-3 | Aniline | 88 |] |
| 121-69-7 | N,N-Dimethylaniline | 5 | υ |

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the construction of the second

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| | 1C | | EPA SAMPLE NO. |
|------------------------|-----------------------------|-------------------|-------------------------|
| SEMIVOLAT | MW-31 RA | | |
| Lab Name: Buck Envi: | ronmental Labs, In Contra | ct: <u>BBL</u> | |
| Lab Code: <u>10795</u> | Case No.: S | AS No.: | SDG No.: <u>BEL0331</u> |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310292-02A |
| Sample wt/vol: | <u>935</u> (g/mL) <u>m1</u> | Lab File ID: | <u>1301013.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted:(Y/N) <u>N</u> | Date Extracted: | 11/04/03 |
| Concentrated Extract | . Volume: <u>1000</u> (µL) | Date Analyzed: | 11/12/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | 1.00 |
| GPC Cleanup: (Y/N) | <u>м</u> рн: | Extraction: (Type | } |
| | | CONCE | NTRATION UNITS: |
| CDC NO | COMPOUND | . (ug/I | or ug/Kg) (IG/L 0 |

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| CAS NO. | COLLEOOND | (µg/1 01 | µ9/9/ | <u> </u> | × |
|----------|---------------------|----------|-------|----------|---|
| 62-53-3 | Aniline | | 85 | | |
| 121-69-7 | N,N-Dimethylaniline | | 5 | | U |

| SEMIVOLAT | 1C ILE ORGANICS ANALYSIS DA | TA SHEET | EPA SAMPLE NO. PZ-5D |
|------------------------|--------------------------------|--------------------|-------------------------|
| Lab Name: Buck Envir | conmental Labs, In Contra | act: | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> S | AS No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | <u>0310297-08A</u> |
| Sample wt/vol: | <u>985</u> (g/mL) <u>ml</u> | Lab File ID: | <u>1301013.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| % Moisture: | Decanted: (Y/N) N | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/10/03 |
| Injection Volume: | <u>1</u> (µL) | Dilution Factor: | <u>1.00</u> . |
| GPC Cleanup: (Y/N) | <u>N</u> pH: | Extraction: (Type) | |
| | | CONCEN | TRATION UNITS: |

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| (μg/L or μg/Kg) <u>UG</u> | <u> </u> |
|---------------------------|----------|
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| | 1C | | EPA SAMPLE NO. |
|------------------------|-----------------------------|-------------------|------------------|
| SEMIVOLAT | ILE ORGANICS ANALYSIS DA | ATA SHEET | P2-5S |
| Lab Name: Buck Envir | ronmental Labs, In Contra | act: | |
| Lab Code: <u>10795</u> | Case No.: <u>C</u> | BAS No.: | SDG No.: BEL0331 |
| Matrix: (soil/water) | WATER | Lab Sample ID: | 0310297-07A |
| Sample wt/vol: | <u>985</u> (g/mL) <u>ml</u> | Lab File ID: | <u>1201012.D</u> |
| Level: (low/med) | LOW | Date Received: | 10/31/03 |
| <pre>% Moisture:</pre> | Decanted:(Y/N) N | Date Extracted: | 11/04/03 |
| Concentrated Extract | Volume: <u>1000</u> (µL) | Date Analyzed: | 11/10/03 |
| 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: |

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| | CAS NO. | COMPOUND | (µg/L o | r µg/Kg) | UG/L | Q |
|---|----------|---------------------|---------|----------|------|---|
| [| 62-53-3 | Aniline | | 5 | | U |
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| | | | | | | | | | | | | | | | | | | | <u> </u> | 315-446-9120 |
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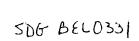
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Distribution: Original Accompanies Shipment: Copy to Coordinator Field Files



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

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CHAIN OF CUSTODY RECORD

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Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

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

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| Relinquishe | i d by : (S | ignature) | | | DATE | TIME | Received for Laboratory by: (Signature) | | <i>(</i> 1) | DAT 4 0 | | | т 10.4 | гіме 45 | seals intact |

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Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY Contract Lab Sample Information Sheet (CLSIS)

| | [| Analytical Requirements | | | | | | | | | | |
|----------------------------|------------------------------|-------------------------|------------------------|---------------------|------------------------------|--------|----------|--|--|--|--|--|
| Customer Sample Code | Laboratory Sample Code | VOA GC/MS Method | BNA GC/MS Method | VOA GC Method | Pesticide PCB's Method | Metals | Other | | | | | |
| DUP-2 | 0310292-09 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-8S | 0310292-05 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-8S MS | 0310292-06 | EPA 8260B | | | N/A | N/A | METHANOL | | | | | |
| MW-8S MSD | 0310292-07 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-17R | 0311022-02 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-18 | 0310297-02 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MVV-19 | 0310297-01 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-23I | 0310297-04 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-23S | 0310297-06 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-24DR | 0310297-03 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-24SR | 0310297-05 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-25S | 0311022-01 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MW-27 | 0310292-01 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| MVV-28 | 0310292-03 | EPA 8260B | EPA 8270C | N/A | N/A | N/A | METHANOL | | | | | |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY Contract Lab Sample Information Sheet (CLSIS)

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| | [| Analytical Requirements | | | | | | | | | | |
|----------|---------------------------------------|-------------------------|----------|--------|-----------|-----------|------------|--|--|--|--|--|
| Customer | Laboratory | VOA | BNA | VOA | Pesticide | | | | | | | |
| Sample | Sample | GC/MS | GC/MS | GC | PCB's | Metals | Other | | | | | |
| Code | Code | Method | Method | Method | Method | | | | | | | |
| | | EPA | EPA | | | | | | | | | |
| MW-29 | 0310292-04 | 8260B | 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| | | EPA | EPA | | | | | | | | | |
| MW-30 | 0310292-08 | 8260B | 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| | | EPA | EPA | | | | | | | | | |
| MW-31 | 0310292-02 | 8260B | 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| | | EPA | EPA | | | | | | | | | |
| PZ-5D | 0310297-08 | 8260B | 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| [| | EPA | EPA | | | | | | | | | |
| PZ-5S | 0310297-07 | 8260B | 8270C | N/A | N/A | N/A | METHANOL | | | | | |
| | | EPA | | | | <u></u> _ | | | | | | |
| TB-3 | 0310292-10 | 8260B | N/A | N/A | N/A | N/A | METHANOL | | | | | |
| | | EPA | | | | | | | | | | |
| TB-4 | 0310297-09 | 8260B | N/A | N/A | N/A | N/A | METHANOL | | | | | |
| | | EPA | | 1 | | | | | | | | |
| TB-5 | 0305120-08 | 8260B | N/A | N/A | N/A | N/A | METHANOL | | | | | |
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE PREPARATION AND ANALYSIS SUMMARY GC/MS VOLATILE (VOA) ANALYSIS Contract Lab Sample Information Sheet (CLSIS)

| Laboratory Sample Code | Matrix | Date Collected | Date Received at Lab | Date Extracted | Date Analyzed |
|------------------------------|--------|-------------------|----------------------------|-------------------|-----------------------|
| 0310292-01 | WATER | 10/30/03 | 10/31/03 | NA | 11/04/03, 11/05/03 |
| 0310292-02 | WATER | 10/30/03 | 10/31/03 | NA | 11/05/03, 11/04/03 |
| 0310292-03 | WATER | 10/30/03 | 10/31/03 | NA | 11/04/03 |
| 0310292-04 | WATER | 10/30/03 | 10/31/03 | NA | 11/04/03 |
| 0310292-05 | WATER | 10/30/03 | 10/31/03 | NA | 11/05/03, 11/06/03 |
| 0310292-06 | WATER | 10/30/03 | 10/31/03 | NA | 11/05/03, 11/06/03 |
| 0310292-07 | WATER | 10/30/03 | 10/31/03 | NA | 11/05/03, 11/06/03 |
| 0310292-08 | WATER | 10/30/03 | 10/31/03 | NA | 11/04/03 |
| 0310292-09 | WATER | 10/30/03 | 10/31/03 | NA | 11/04/03, 11/05/03 |
| 0310292-10 | WATER | 10/30/03 | 10/31/03 | NA | 11/04/03 |
| 0310297-01 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0310297-02 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0310297-03 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE PREPARATION AND ANALYSIS SUMMARY GC/MS VOLATILE (VOA) ANALYSIS Contract Lab Sample Information Sheet (CLSIS)

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| Laboratory Sample Code | Matrix | Date Collected | Date Received at Lab | Date Extracted | Date Analyzed |
|------------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| 0310297-04 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0310297-05 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0310297-06 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0310297-07 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0310297-08 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0310297-09 | WATER | 10/31/03 | 10/31/03 | NA | 11/05/03 |
| 0311022-01 | WATER | 11/03/03 | 11/04/03 | NA | 11/06/03 |
| 0311022-02 | WATER | 11/03/03 | 11/04/03 | NA | 11/06/03 |
| 0311022-03 | WATER | 11/03/03 | 11/04/03 | NA | 11/06/03 |
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE PREPARATION AND ANALYSIS SUMMARY GC/MS VOLATILE (METHANOL) ANALYSIS Contract Lab Sample Information Sheet (CLSIS)

| Laboratory Sample Code | Matrix | Date Collected | Date Received at Lab | Date Extracted | Date Analyzed |
|------------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| 0310292-01 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-02 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-03 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-04 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-05 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-06 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-07 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-08 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-09 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310292-10 | WATER | 10/30/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-01 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-02 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-03 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE PREPARATION AND ANALYSIS SUMMARY GC/MS VOLATILE (METHANOL) ANALYSIS Contract Lab Sample Information Sheet (CLSIS)

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|------------------------------|--------|-------------------|----------------------------|-------------------|------------------|
| Laboratory Sample Code | Matrix | Date Collected | Date Received at Lab | Date Extracted | Date Analyzed |
| 0310297-04 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-05 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-06 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-07 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-08 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0310297-09 | WATER | 10/31/03 | 10/31/03 | NA | 11/07/03 |
| 0311022-01 | WATER | 11/03/03 | 11/04/03 | NA | 11/07/03 |
| 0311022-02 | WATER | 11/03/03 | 11/04/03 | NA | 11/07/03 |
| 0311022-03 | WATER | 11/03/03 | 11/04/03 | NA | 11/07/03 |
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE PREPARATION AND ANALYSIS SUMMARY GC/MS SEMIVOLATILE (SVOA) ANALYSIS Contract Lab Sample Information Sheet (CLSIS)

| Laboratory Sample Code | Matrix | Date Collected | Date Received at Lab | Date Extracted | Date Analyzed |
|------------------------------|--------|-------------------|----------------------------|-------------------|---------------------------|
| 0310292-01 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/11/03, 11/12/03 |
| 0310292-02 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/11/03, 11/12/03 |
| 0310292-03 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/11/03, 11/12/03 |
| 0310292-04 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/11/03, 11/12/03 |
| 0310292-05 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/12/03 |
| 0310292-06 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/12/03 |
| 0310292-07 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/12/03 |
| 0310292-08 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/11/03 |
| 0310292-09 | WATER | 10/30/03 | 10/31/03 | 11/04/03 | 11/11, 11/12, 11/18/03 |
| 0310297-01 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03, 11/11/03 |
| 0310297-02 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03, 11/11/03 |
| 0310297-03 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03 |
| 0310297-04 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03, 11/11/03 |

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SAMPLE PREPARATION AND ANALYSIS SUMMARY GC/MS VOLATILE (VOA) ANALYSIS Contract Lab Sample Information Sheet (CLSIS)

| Laboratory Sample Code | Matrix | Date Collected | Date Received at Lab | Date Extracted | Date Analyzed |
|------------------------------|--------|---------------------------------------|----------------------------|-------------------|------------------|
| 0310297-05 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03 |
| 0310297-06 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03 |
| 0310297-07 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03 |
| 0310297-08 | WATER | 10/31/03 | 10/31/03 | 11/04/03 | 11/10/03 |
| 0311022-01 | WATER | 11/03/03 | 11/04/03 | 11/04/03 | 11/10/03 |
| 0311022-02 | WATER | 11/03/03 | 11/04/03 | 11/04/03 | 11/10/03 |
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Buck Environmental Labs, Inc.

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Sample Receipt Checklist

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| Client Name BLASLAND | | | Date and | Time Rece | ive | 10/31/03 |
|--|--------------------|--------------------|----------|----------------|-----------------------|----------|
| Work Order Numbe 0310292 | | 7 1 | Received | d by: | РВ , | 1 |
| Checklist completed by Hamela Kaura | 10, | 131/03 | Reviewe | d by <u>SQ</u> | <u>S 101</u> | 31/03 |
| Signature Matrix: Car | Date rier name: | FedEx | | initial | s Dat | 8 |
| Shipping container/cooler in good condition? | Yes 🗹 | No Not Prese | | [| | |
| | Yes 🗹 | | | SampID 01A | ClientSamplD MW-27 | TagNo |
| Custody seals intact on shippping container/cooler? | Yes 🖸 | No Not Prese | | 018 | MW-27 | |
| Custody seals intact on sample bottles? | Yes 🗹 | | | 01C | MW-27 | |
| Chain of custody present? | Yes 🗹 | | | 1 | | |
| Chain of custody signed when relinquished and received | Yes 🗹 | _ | | 02A | MW-31 | |
| Chain of custody agrees with sample labels? | Yes 🗹 Yes 🗹 | No 🗌 No 🗍 | | 02B | MW-31 | |
| Samples in proper container/bottle? | | | | 02C | MW-31 | |
| Sample containers intact? | Yes 🗹 | No 🗌 | | 03A | MW-28 | |
| Sufficient sample volume for indicated test? | Yes 🗹 | No 🗌 | | 03B | MW-28 | |
| All samples received within holding time? | Yes 🗹 | No 🗌 | | 03C | MW-28 | |
| Container/Temp Blank temperature in compliance? | Yes 🗹 | No 🛄 | | 04A | MW-29 | |
| Water - VOA vials have zero headspace? | Yes 🗹 | No | | 04B | MW-29 | |
| | vials subm | | | 04C | MW-29 | |
| Water - pH acceptable upon receipt? | | No 🗌 | | 05A | MW-8S | |
| Adjusted? | Check | ked by | | 05B | MW-8S | |
| Any No and/or NA (not applicable) response must be de | tailed in the | e comments sectior | n be | 05C | MW-8S | |
| Sample Custodies Tracked on the Following Internal Ch | ains: | | | 06A | MW-85 MS | |
| Dept: Area By | | On | | 06B | MVV-8S MS | |
| MSSEMI Ref 02 Sas | | 0/31/03 | | 06C | MW-85 MS | |
| MSVOA Ref 07 Sas | 10 | 0/3/103 | | 07A | MW-8S MSD | |
| | | | | 07B | MW-85 MSD | |
| | | | | 07C | MW-85 MSD | |
| | | | - | 08A | MW-30 | |
| | | | | 08B | MW-30 | |
| | | | | 08C | MVV-30 | |
| | | | | 09A | DUP-2 | |
| | | | | 09B | DUP-2 | |
| | | | | 09C | DUP-2 | |
| | | | | 10A | тв-з | |
| | | | | 10B | TB-3 | ł |
| | | | | 11A | STORAGE BLANK | } |
| _ | | | | l | <u></u> | |
| Client contacted Date co | mtacted: | | | | | |
| Contacted by: Regard | - | ······ | | | | • |
| Comments: | | | | | | |
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Corrective Action

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| | Page 1 o | f 2 | | | | | | Buc | k En | viror | imen | tal L | .ab, li | 1C. | | | | Ref # | # 07 | <u> </u> |
|------------------|--------------|----------------|-------------|-------------------|-------------|-----------------|----------|----------------|--------------|--|----------|----------|------------|--|------------|----------|-------------|----------|------------------|----------|
| | BEL Job | # | 03 | 310292 | | | | In | terna | al Ch | ain o | f Cu | stody | / | | | | Dept | : MSVO | A |
| | ClientID: | | В | LASYAI | ND | Λ | | | | | , | , | - | | - | ontina | · Ch | 1 | 10 10 (| |
| | Relinqui | she | ed By ∑ | J.m | ika. | 130 | Drv- | <u> </u> | _ [| Date: | 10/s1/ | <u></u> | | | | | | ALPL_ | MARECH | + |
| | Received | d By | y: | this | esty- | M. 1 | nero | | [| Date: _ | Hoyl | 03 | | | Т | esting | : | | | |
| F | BEL | | | | | | | Sa | ample | ernal Chain of Custody Date: 10/31/03 Date: 11/04/03 mple Removal And Return Tra | | | | racki | acking | | | | | |
| | Sample ID | | | Rem | oved | | Retu | rned | | Rem | oved | | Retu | rned | | Rem | oved | | Retu | rne |
| - | -01B | 4 | Date | Time | Ву | <u>*</u> | Date | Time | Date | Time | Ву | * | Date | Time | Date | Time | Ву | * | Date | Tin |
| - | -01B -01B | 1 | | 13:30 | | <u>A</u> | 11-5-3 | | | | | | | | | <u> </u> | | <u> </u> | + | |
| + | | 2 | 11-05-03 | 10:00 | (ml | <u>A</u> | 11-06-03 | 9:30 | | | } | | | | <u> </u> | | \ | <u> </u> | | |
| - | -01B -01C | 3 | | :100 | | | <u> </u> | | <u> </u> | \ | | | | | <u> </u> | <u> </u> | | | - - | 1 |
| - | -01C | 2 | iltyles | 133 | Ø | A | 1763 | itto | | ļ | | <u> </u> | ┥ | <u>} </u> | | 1 | <u> </u> | 1 | | <u>}</u> |
| - | -01C | 2 | | | | | <u> </u> | <u> </u> | | | | | <u>+</u> | } ⊤ | | <u> </u> | <u> </u> | | | <u> </u> |
| ┝ | -01C | 1 | | | | | <u> </u> | | | <u> </u> | | } | | <u> </u> | | <u> </u> | | <u> </u> | <u> </u> | 1 |
| - | -02B | | 1-04-03 | 13:30 | une | <u>A</u> | 11-0503 | 1 | <u>}</u> | <u> </u> | | 1 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | | + | <u> </u> |
| $\left \right $ | -02B | 3 | | | (Map | | 11-26-13 | | <u> </u> | 1 | <u> </u> | <u> </u> | | 1 | · | | | | <u> </u> | |
| | -02C | | | | | | 11-07-03 | 1 | 1 | <u> </u> | <u> </u> | | <u> </u> | | | 1 | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| \vdash | -02C | 2 | 11/7/03 | <u> 1354</u> | <u>(m)</u> | 1 | 11/103 | 1698 | <u> </u> | 1 | ! | <u> </u> | | | <u> </u> | + | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| ŀ | -02C | 3 | | <u> </u> | 1 | | <u> </u> | <u> </u> | <u> </u> | 1 | | <u> </u> | | 1 | | | <u> </u> | | <u> </u> | |
| - | -03B | 11 | | <u> </u> | | | <u> </u> | <u>!</u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | | | <u> </u> | <u> </u> |
| ł | -03B | 2 | - | 13:30 | 1 | A | 11-05-13 | | <u> </u> | <u> </u> | + | <u></u> | | | ÷ | | <u> </u> | | + | 1 |
| ŀ | -03B | 3 | 10, 3 | 101.00 | 1 | A A | 11-74-53 | i T | 1 | | 1 | <u> </u> | - <u> </u> | 1 | <u> </u> | 1 | <u> </u> | <u> </u> | <u> </u> | 1 |
| | -03C | 1 | | لاز (۲ | imp | A | 11-07-03 | 1140 | <u> </u> | | 1 | <u>+</u> | | | <u> </u> | <u> </u> | | <u> </u> | | + |
|) | -03C | 2 | _ | <u>+227</u> | 17 | | | 1470 | 1 | | <u> </u> | <u>-</u> | <u> </u> | <u>+</u> | | <u>†</u> | 1 | | <u> </u> | <u> </u> |
| ł | -03C | 3 | <u> </u> | · | <u> </u> | | 1 | 1 | | | <u>+</u> | <u>.</u> | <u> </u> | | <u>-</u> | | | 1 | 1 | 1 |
| | -048 | 1 | 11-11-11-12 | 12.7- | ine | A | 11-15-12 | 10:00 | | 1 | + | <u> </u> | - | <u> </u> | | | 1 | | 1 | 1 |
| ŀ | -04B | 2 | 11-5-16 | 10108 | cmi_ | A | 11-21-2 | 1 | 1 | 1 | | 1 | | | - <u>(</u> | 1 | 1 | 1 | 1 | 1 |
| ľ | -048 | 3 | 11-14-5 | 9:2 | unp | 4 | | 1 | 1 | 1 | İ | | | | 1 | | 1 | 1 | 1 | 1 |
| | -04C | 1 | 117/1 | 1354 | Ø | 4 | 117/13 | 1640 | | | | | | 1 | | | | | | |
| | -04C | 2 | | 1 | | | | | | | | | | | | | | | | |
| | -04C | 3 | | | | | | | | | | | | | | | | | | |
| | -05B | 1 | 11-04-12 | 13:30 | une | A | 11-25-1 | 2 11:00 | | | | | | | | | | | | |
| | -05B | 2 | 11-05-05 | 10:00 | unp | A | 11-06-05 | | | <u> </u> | <u> </u> | | | <u> </u> | | <u> </u> | | <u> </u> | | <u> </u> |
| | -058 | <u> </u> 3 | 1106 | 4:30 | una | A | 11-27-12 | 9:00 | <u> </u> | <u> </u> | | <u> </u> | | | <u> </u> | | | | | |
| | -05C | 1 | 11/2/02 | 1354 | 02 | 4 | 11/7/05 | 1690 | | <u> </u> | <u> </u> | <u> </u> | _ <u>_</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | _ | |
| | -05C | 2 | | <u> </u> | <u> </u> | <u> </u> | ! | | | | | | | | <u> </u> | <u> </u> | | <u> </u> | | <u> </u> |
| | -05C | | | 1 | <u> </u> | | | | | <u> </u> | | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
| | -06B | + | 1-01- | 3 13:31 | Chry | <u> A</u> | 1175 | <u>e 10:01</u> | <u></u> | | | | | <u> </u> | | | | <u> </u> | <u> </u> | |
| | -06B | | 11-ch-0 | 3 9:3 | uni | <u> A</u> | 11-07-11 | 3 4 1 3 9 | <u></u> | <u> </u> | | | <u> </u> | | <u> </u> | | | <u> </u> | | |
| | -06C | (¹ | | | | | | <u> </u> | | <u> </u> | | | | <u> </u> | <u> </u> | | | | | |
| | -06C | + | | <u>.11 /554</u> | <u>/ @</u> | <u> /a</u> | | 1440 | | <u> </u> | | <u> </u> | | | | | | <u> </u> | <u>-</u> | <u> </u> |
| | -06C | | | | | <u> </u> | | | | | + | | | <u> </u> | | | | | | - |
| | -07B | | | 1 00- | | A | 11.15- | 2 (| | | | | | + | | | | | | |
| 1 | -07B | | 2 | <u>05 15.3</u> | o une | <u>- Α</u> | 11-07-1 | 3/10:00 | | | | | | <u> </u> | | | | | | <u> </u> |

A REAL PROPERTY AND A REAL

* Reasons for Removal: A = Analysis DW = Dry Weight SS = Sub-sample D = Depleted Sample

| | Page 2 o | f 2 | | | | | | Buc | k En | viror | imen | ital L | .ab, lı | nc. | | | | Ref # | 0 | 2 |
|----------|--------------|-----|----------|----------|-------------|------------|--|----------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | BEL Job | # | 0 | 310292 | | | | In | terna | al Ch | ain o | of Cu | stody | , | | | | Dept: | MSVC | A |
| <u> </u> | ClientID: | | | LASILA | - | Λ | | | | | | | • | | _ | | | | | |
| | Relinqui | she | d By 🕺 | Lan | <u>n la</u> | .19 | 10 xu | <u> </u> | _ [| Date: | io/si/ | / ŋ | | | | esting: | | A-SYDL | мме | OHL |
| | Receive | | /: | Chas | store | m. | <u>Date: 10/31/07</u> <u>M. Avera</u> Date: <u>11/04/03</u> | | | | | | | | Т | esting: | | | | |
| | BEL | | | | | | Sample Removal And Return Tracking | | | | | | | | | | | | | |
| | Sample ID | | | Rem | oved | | Retu | | · · · | Rem | | | | rned | | Remo | ved | | Retu | rned |
| | | | Date | Time | By | * | Date | Time | Date | Time | By | * | Date | Time | Date | Time | By | * | Date | Time |
| | -07B | 3 | | | | <u> </u> | | | | | | | | | | | | | | |
| | -07C | 1 | y/7/03 | 1454 | (A) | 14 | 11/7/03 | 1670 | | | | | | | | | | | | |
| | -07C | 2 | | | L | | | | | | | | | <u> </u> | <u> </u> | | | | | |
| | -07C | 3 | | | | | | | | | | | | | | | | | | |
| | -08B | 1 | 11-04-B | 13:30 | unp | <u>A</u> _ | 11-05 25 | 10.00 | | | | | | <u> </u> | | | | <u> </u> | | |
| | -088 | 2 | | | |] | | | | | | | | | | | | | | |
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| | -09B | 1 | 11-14-13 | 13:30 | unp | A | 11-05-23 | 15:00 | | | | | | | | | | | | |
| | -09B | 2 | 11-05-13 | 10:00 | un | A | 11-04-03 | 9:30 | | | | | | 1 | | | | | | |
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| | -09C | 2 | | | | | | <u> </u> | | | | <u> </u> | <u> </u> | | <u> </u> | | | <u> </u> | <u> </u> | |
|) | -09C | 3 | | | | | | <u> </u> | | | <u> </u> | | | | | | | | | |
| | -10A | 1 | 11-04-03 | 133 | imp | A | 11-5-35 | 10:00 | | | | | | | | | | <u> </u> | | <u> </u> |
| | -10A | 2 | | | | | | <u> </u> | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | | · | <u> </u> | | |
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| | -108 | | | 1354 | B | R | v/n/a | j[40 | | | | | | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | | |
| | -10B | 2 | <u> </u> | <u> </u> | | | | | | <u> </u> | | | | | | <u> </u> | <u> </u> | | | |
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| ĹĴ | ob# <u>03/028</u> 2 | 3 | | | | | | | Re | linquished B | sy: | R | |
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| | | | | | | | | Extract I | Removal & Re | eturn Trackir | ng | | |
| :L ple) | Client Sample ID | Bottle # | Removal Date/Time | Ren By | noved | Returned Date/Time | Removal Date/Time | Removed By | Returned Date/Time | Removal Date/Time | Removed By * | Returned Date/Time | COMMENTS |
| | SELK AS253 | 1 | 11/11/03 3 JYA | 6 | <i>c</i> | 11/10/03 | | | | | | | |
| | mas alass | 1 | 11111-3 ¥ 54 AL | <u> </u> | 5 | 11/19/03 1:24 PM | | | | | | | |
| F | MU-27 | 1 | 11/11/-) 11/11/-) 11/11/-) | 6 | - C- | 1/19/03 1.24 1m 1/19/03 | $\langle \rangle$ | | | | | | |
| 4 | MW-31 | 1 | 1/11/2 SYA | <u>c</u> | | 01412 | | | | | | | |
| 1 | 10.28 | | 1 sym | | 0 | L'HIM | | | <u><u> </u></u> | | | | |
| † | mv-29 | 1 | 11/11/27 5 SYAT | i— | 0 | 1/19/02 | | | | | | | |
| 2 | 014-85 | | 11/11/03 8:54A | <u> </u> | 0 | 11/15/05 | | | | | | | |
| (| MURSAS | 1 | 11.1.7 | Ċ | | 11/12/22 12.14 Pm | | | | | | | |
| • | 11-25 MW | 1 | 11/11/17 8.54A | | 0 | 11/16/107 | | | | | | | |
| | MU-SO | | 11/11/07 8:54 m | 5 | 5 | 11/14A2 | | | | | | | |
| 1 | Mr. St Dry-2 | 1 | 1/11/03 8 SYAL | 4 | C | -11/19/13 | | | | | | | · · · |
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| | asons For Rem Ilysis IS:Stand | | g | | | Debulking ished By | | Date/ | Time / | | xtract Disp | osal |] |
| lea | nup D:Diluting er (Specify In c | B:De | bulking | | | ed By | | | /Time/ | , E | 3y | | _ Date/Time/ |

Buck Environmental Labs, Inc.

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Sample Receipt Checklist

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| Client Name BLASLAND | Date and Time Receive 10/31/03 | | | | | | | | | |
|--|--------------------------------|--------------------|----------|----------|-----------------|-------|--|--|--|--|
| Work Order Numbe 0310297 | | | Received | d by: I | ⁹⁸ ~ | , | | | | |
| Checklist completed by Tamila Davis | 10/3 | 1/03 | Reviewed | iby SC |) <u> </u> | 31/03 | | | | |
| Signature | Date | | | Initials | | Date | | | | |
| Matrix: Car | rier name: | Hand Deliver | | | | | | | | |
| Shipping container/cooler in good condition? | Yes 🗹 | No 🗌 Not Prese | | SampID | ClientSampID | TagNo | | | | |
| Custody seals intact on shippping container/cooler? | Yes 🗌 | No 🗌 Not Prese | nt 🗹 | 01A | MW-19 | | | | | |
| Custody seals intact on sample bottles? | Yes 🗋 | No 🗌 Not Prese | nt 🗹 | 01B | MVV-19 | | | | | |
| Chain of custody present? | Yes 🗹 | No 🗌 | | 01C | MW-19 | | | | | |
| Chain of custody signed when relinquished and received | Yes 🗹 | No 🗌 | | 02A | MVV-18 | | | | | |
| Chain of custody agrees with sample labels? | Yes 🗹 | No 🗌 | | 02B | MVV-18 | | | | | |
| Samples in proper container/bottle? | Yes 🗹 | No 🗌 | | 02C | MVV-18 | | | | | |
| Sample containers intact? | Yes 🗹 | No 🗌 | | 03A | MW-24DR | | | | | |
| Sufficient sample volume for indicated test? | Yes 🗹 | No 🗌 | | 03B | MW-24DR | | | | | |
| All samples received within holding time? | Yes 🗹 | | | 03C | MW-24DR | | | | | |
| Container/Temp Blank temperature in compliance? | Yes 🗌 | No 🗹 | | 04A | MW-231 | | | | | |
| Water - VOA vials have zero headspace? | Yes 🗹 | No 🗌 | | 04B | MW-231 | | | | | |
| No VOA | vials subr | | | 04C | MW-231 | | | | | |
| Water - pH acceptable upon receipt? | Yes 🗹 | No 🗌 | | 05A | MW-24SR | | | | | |
| Adjusted? | Chec | ked by | | 058 | MW-24SR | | | | | |
| Any No and/or NA (not applicable) response must be del | ailed in the | e comments section | be | 05C | MW-24SR | | | | | |
| Sample Custodies Tracked on the Following Internal Cha | ains: | | | 06A | MW-23S | | | | | |
| Dept: Area By | | On , | 1 | 068 | MW-23S | | | | | |
| MSSEMI Ref 02 Sas | 10 | 13/103 | | 06C | MW-23S | | | | | |
| MSVOA Ref 07 Sas | 10 | 31/03 | | 07A | PZ-5S | | | | | |
| | | | l | 07B | PZ-5S | | | | | |
| | | | | 07C | PZ-5S | (| | | | |
| | | | | 08A | PZ-5D | | | | | |
| | | | | 08B | PZ-5D | | | | | |
| | | | | 08C | PZ-5D | | | | | |
| | | | | 09A | TB-4 | | | | | |
| | | | | 09B | ТВ-4 | | | | | |
| | | | | | | | | | | |

| Client contacted | Date contacted: | Person contacted | |
|----------------------|-------------------------|------------------|--|
| Contacted by: | Regarding: | | |
| Comments: Temperatur | (es: 2.4°, 13.4°, 12.9° | | |
| | | | |
| | | | |
| Corrective Action | | | |
| | | | |

| | | Page 1 o | f 2 | Duoit Environmental Eab, me. | | | | | | | | | | | | Ref # 07 | | | | | | |
|------------|-----------------|----------------------|-----|------------------------------|--------------|----------|----------|----------|-------------|------------|-----------|----------|------------|-----------|----------|------------------------------|----------|----------|----------|----------|---|--|
| | .e.15 | BEL Job | # | | 310297 | | | | | | al Ch | | | - | | | | | Dept: | MSVO | A | |
| | (| ClientID: | | B | LAS LAI | ND | \wedge | | | | | , | | | | | | C | | | } | |
| | | Relinqui | she | id By∑ | a.m. | ela. | 192 | m- | ~ | _ (| Date: _ | 10/31/ | / | | | Testing: 8260,45,06 MinEatte | | | | | | |
| | | Relinqui Received | B) | /: | (has | siding | m | . Pire | <u>~~</u> | - 1 | Date: | 11-05 | 73 | | | Т | esting | | | | } | |
| | | BEL | | | | Q. | | | Sa | ample | Remo | val A | nd Ref | turn T | rackir | ig | | | | | | |
| 1 | | Sample ID | ļ | | Rem | | | Retu | | | Rem | | | Retu | | | Rem | | | Retu | the second second second second second second second second second second second second second second second se | |
| 1 | | -01B | 1 | Date | Time | Ву | * | | Time | Date | Time | By | * | Date | Time | Date | Time | By | * | Date | Time | |
| | | -01B | 2 | 11-05 03 | 10:30 | unp | A | 11-06-03 | 4.30 | | [| | | | | | | | | | | |
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| ob# <u>031029</u> | 7 | | | | | | | | | | 2 | |
| Blaskert | | Tes | sting: | 821 | 95-2 625 | FCLP 525 | Other: | Re | ceived By: | | | Date/Time |
| Client | | | | | · · · · · · · · · · · · · · · · · · · | | Extract F | Removal & Re | turn Tracking | g | | · · · · · · · · · · · · · · · · · · · |
| Sample ID | Bottle # | Removal Date/Time | Rem By | noved * | Returned Date/Time | Removal Date/Time | Removed By * | Returned Date/Time | Removal Date/Time | Removed By * | Returned Date/Time | COMMENTS |
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| My-18 | | 11/1-1-3 9:44 At | <u> </u> | Ċ | 1.131 | | | | | | | |
| MY-24DR | 1 | 9:44 2 | <u>c</u> _ | 1c | 11/19/07 | | | | | | | |
| MU-23T | | 11/16/63 9:44 A | c- | <u> </u> | 11/14/03 | | | | | | | |
| My-245R | 1 | 9:44 A- 11/10/03 11/10/03 11/10/03 | <u>c</u> | c- | 11/11/02 | | | | | | | |
| MU-235 | 1 | 11/10/03 5:44 HT | e- | C | 1119/13 | | | | | | \swarrow | |
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| PZ-50 | | 1./0/.3 9:47 # | e | C | 1.11- | | | | | | | |
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Buck Environmental Labs, Inc.

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Sample Receipt Checklist

| Client Name BLASLAND | | Da | ate and | Time Recei | ve | 11/04/03 |
|--|------------|------------------|--------------|------------|--------------|----------|
| Work Order Numbe 0311022 | | R | eceived | by: F | РВ | 1 / |
| Checklist completed by fame latal | | 1/03 Re | eviewed | by Sa | | 114/03 |
| Signature | Date | , – | | Initials | Î | Date |
| Matrix: Car | rier name: | FedEx | | | | |
| Shipping container/cooler in good condition? | Yes 🗹 | No 🗌 Not Present | | SampiD | ClientSamplD | TagNo |
| Custody seals intact on shippping container/cooler? | Yes 🗹 | No 🗔 Not Present | | 01A | MW-25S | |
| Custody seals intact on sample bottles? | Yes 🗌 | No 🗔 Not Present | \mathbf{V} | 01B | MW-25S | |
| Chain of custody present? | Yes 🗹 | No 🗔 | | 01C | MW-25S | |
| Chain of custody signed when relinquished and received | Yes 🗹 | No 🗔 | | 02A | MW-17R | |
| Chain of custody agrees with sample labels? | Yes 🗹 | No | | 02B | MW-17R | |
| Samples in proper container/bottle? | Yes 🗹 | No 🗔 | | 02C | MW-17R | |
| Sample containers intact? | Yes 🗹 | No 🗔 | | 03A | ТЗ-5 | |
| Sufficient sample volume for indicated test? | Yes 🗹 | No 🗔 | | 03B | ТВ-5 | |
| All samples received within holding time? | Yes 🗹 | No 🗔 | | L | | |
| Container/Temp Blank temperature in compliance? | Yes 🗹 | No 🗔 | | | | |
| Water - VOA vials have zero headspace? | Yes 🗹 | No 🗌 | | | | |
| No VCA | vials subr | nitted 🔲 | | | | |
| Water - pH acceptable upon receipt? | Yes 🗹 | No 🗔 | | | | |
| Adjusted? | Chec | ked by | | | | |

Any No and/or NA (not applicable) response must be detailed in the comments section be

Sample Custodies Tracked on the Following Internal Chains:

| Dept: | Area | Ву | On |
|--------|--------|-----|---------|
| MSSEMI | Ref 02 | Sas | 11-103 |
| MSVOA | Ref 07 | Sas | 11/4/03 |
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| Client contacted | Date contacted: | Person contacted | |
|-------------------|-----------------|------------------|--|
| Contacted by: | Regarding: | | |
| Comments: | | | |
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| Corrective Action | | | |
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| Page 1 o | Page 1 of 1 Buck Environmental Lab, Inc. Ref #_07 | | | | | | | | | | | | | | - | | | | |
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| ClientID: | | B | LASLA | ND | 0 | | | | | | | - | 1 | | | | | | |
| Relinqui | she | d By У | An | v Da. | 120 | MAA | | 0 | Date: | nlyı | / ന | | | Т | esting | 8260 | ASP(| MM | (2011) |
| Relinquished By Amula / Storm Date: 11/4/03 Testing: 8260 Received By: Unibriday M. fuilia Date: 11-06-03 Testing: | | | | | | | | | | | | | | | I | | | | |
| BEL | Later Jy Date Date | | | | | | | | | | | | | | | | | | |
| Sample | | Sample Removal And Return Tracking Removed Returned Removed Returned Removed | | | | | | | | | | | | | · | | | | |
| םו | | Date | Time | oved By | • | Date | rnea Time | Date | Time | ovea By | * | Date | Time | Removed Date Time By * | | | Returned | | |
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| -01C | 2 | <u> <@_}!!</u> | /.55/ | | | 17/0 | 1642 | | | | | | | <u> </u> | | | | <u> </u> | + |
| -01C | 3 | | | | | <u>+</u> | | <u> </u> | | | <u> </u> | <u> </u> | · | ļ | | | <u> </u> | | <u> </u> |
| -028 | 1 | | | | | | | | { | | <u> </u> | | | | <u> </u> | | | <u> </u> | + |
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| ιL ple) | Client Sample ID | Bottle # | Removal Date/Time | Rem By | oved | Returned Date/Time | Removal Date/Time | Removed By * | Returned Date/Time | Removal Date/Time | Removed By | Returned Date/Time | COMMENTS | | | |
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