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(610) 337-9992 - FAX (610) 337-9939
(732) 661-0777 - FAX (610) 661-0305

12 October 2005

Tom Tomasetti

Code Environmental
400 Middlesex Avenue
Carteret, NJ 07008

RE: Bayonne Barrel & Drum

Enclosed are the results of analyses for samples received by the laboratory on 09/20/05 13:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

K Sheth

Kristy Sheth
Project Manager

372178

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| | | |
|---|---|---|
| Code Environmental<br>400 Middlesex Avenue<br>Carteret NJ, 07008 | Project: Bayonne Barrel & Drum<br>Project Number: 628188<br>Project Manager: Tom Tomasetti | **Reported:**<br>10/12/05 09:20 |

## ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| BBD - Cyclone - Pb | 5090522-01 | Air | 09/19/05 10:45 | 09/20/05 13:00 |
| BBD - ROPump - Air | 5090522-02 | Air | 09/19/05 10:50 | 09/20/05 13:00 |

GLA Laboratories

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

K Sheth

Kristy Sheth, Project Manager

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| | | |
|---|---|---|
| Code Environmental<br>400 Middlesex Avenue<br>Carteret NJ, 07008 | Project: Bayonne Barrel & Drum<br>Project Number: 628188<br>Project Manager: Tom Tomasetti | **Reported:**<br>10/12/05 09:20 |

# Total Metals by EPA 6000/7000 Series Methods

## GLA Laboratories

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **BBD - Cyclone - Pb (5090522-01) Air Sampled: 09/19/05 10:45 Received: 09/20/05 13:00** | | | | | | | | | |
| Lead | ND | 0.0040 | mg/cartridge | 1 | 5092611 | 09/26/05 | 09/27/05 | EPA 6010B | |

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K Sheth

Kristy Sheth, Project Manager

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| | | |
|---|---|---|
| Code Environmental | Project: Bayonne Barrel & Drum | |
| 400 Middlesex Avenue | Project Number: 628188 | **Reported:** |
| Carteret NJ, 07008 | Project Manager: Tom Tomasetti | 10/12/05 09:20 |

## Notes and Definitions

| | |
|---|---|
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

GLA Laboratories

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K Sheth

Kristy Sheth, Project Manager

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October 04, 2005

Ms. Jill Miller
GLA Laboratories, Inc.
1008 West Ninth Avenue
King of Prussia, PA 19406

RE: Project: 1020184
Project ID: 5090522

Dear Ms. Miller:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 2005. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daryl Peterson
daryl.peterson@pacelabs.com

Illinois Certification #: 200011
Iowa Certification #: 368
Minnesota Certification #: 027-053-137
Wisconsin Certification #: 999407970

Enclosures



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## SAMPLE SUMMARY

Project: 1020184
Project ID: 5090522

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 1020184001 | 5090522-02 | Air | 09/19/05 10:50 | 09/22/05 08:47 |



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# SAMPLE ANALYTE COUNT

Project: 1020184
Project ID: 5090522

| Lab ID | Sample ID | Method | Analytes Reported |
|---|---|---|---|
| 1020184001 | 5090522-02 | TO-15 | 57 |



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# ANALYTICAL RESULTS

Project: 1020184
Project ID: 5090522
The results are reported as received by the laboratory.

**Lab ID:** **1020184001** Date Collected: 09/19/05 10:50 Matrix: Air
**Sample ID:** **5090522-02** Date Received: 09/22/05 08:47

| Parameters | Results | Units | Report Limit | DF | Prepared | By | Analyzed | By | CAS No. | Qual | RegLmt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Air** | | | | | | | | | | | |
| TO15 MSV AIR | | | Analytical Method: TO-15 | | | | | | | | |
| Acetone | 124 | ppbv | 14.7 | 26.8 | | | 09/29/05 22:32 | HRG | 67-64-1 | | |
| Benzene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 71-43-2 | | |
| Bromodichloromethane | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 75-27-4 | | |
| Bromoform | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 75-25-2 | | |
| Bromomethane | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 74-83-9 | | |
| 1,3-Butadiene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 106-99-0 | | |
| 2-Butanone (MEK) | 548 | ppbv | 14.7 | 26.8 | | | 09/29/05 22:32 | HRG | 78-93-3 | | |
| Carbon disulfide | ND | ppbv | 13.4 | 26.8 | | | 09/29/05 22:32 | HRG | 75-15-0 | | |
| Carbon tetrachloride | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 56-23-5 | | |
| Chlorobenzene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 108-90-7 | | |
| Chloroethane | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 75-00-3 | | |
| Chloroform | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 67-66-3 | | |
| Chloromethane | ND | ppbv | 13.4 | 26.8 | | | 09/29/05 22:32 | HRG | 74-87-3 | | |
| Cyclohexane | 42.9 | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 110-82-7 | | |
| Dibromochloromethane | ND | ppbv | 14.2 | 26.8 | | | 09/29/05 22:32 | HRG | 124-48-1 | | |
| 1,2-Dibromoethane (EDB) | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 106-93-4 | | |
| 1,2-Dichlorobenzene | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 95-50-1 | | |
| 1,3-Dichlorobenzene | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 541-73-1 | | |
| 1,4-Dichlorobenzene | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 106-46-7 | | |
| Dichlorodifluoromethane | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 75-71-8 | | |
| 1,1-Dichloroethane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 75-34-3 | | |
| 1,2-Dichloroethane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 107-06-2 | | |
| 1,1-Dichloroethene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 75-35-4 | | |
| cis-1,2-Dichloroethene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 156-59-2 | | |
| trans-1,2-Dichloroethene | ND | ppbv | 26.8 | 26.8 | | | 09/29/05 22:32 | HRG | 156-60-5 | | |
| 1,2-Dichloropropane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 78-87-5 | | |
| cis-1,3-Dichloropropene | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 10061-01-5 | | |
| trans-1,3-Dichloropropene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 10061-02-6 | | |
| Dichlorotetrafluoroethane | ND | ppbv | 15.3 | 26.8 | | | 09/29/05 22:32 | HRG | 76-14-2 | | |
| Ethyl acetate | 79.0 | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 141-78-6 | | |
| Ethylbenzene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 100-41-4 | | |
| 4-Ethyltoluene | ND | ppbv | 14.2 | 26.8 | | | 09/29/05 22:32 | HRG | 622-96-8 | | |
| n-Heptane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 142-82-5 | | |
| Hexachloro-1,3-butadiene | ND | ppbv | 13.4 | 26.8 | | | 09/29/05 22:32 | HRG | 87-68-3 | | |
| n-Hexane | 19.5 | ppbv | 14.2 | 26.8 | | | 09/29/05 22:32 | HRG | 110-54-3 | | |
| 2-Hexanone | ND | ppbv | 14.7 | 26.8 | | | 09/29/05 22:32 | HRG | 591-78-6 | | |
| Methylene chloride | 47.3 | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 75-09-2 | | |



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# ANALYTICAL RESULTS

Project: 1020184
Project ID: 5090522
The results are reported as received by the laboratory.

**Lab ID:** **1020184001** Date Collected: 09/19/05 10:50 Matrix: Air
**Sample ID:** **5090522-02** Date Received: 09/22/05 08:47

| Parameters | Results | Units | Report Limit | DF | Prepared | By | Analyzed | By | CAS No. | Qual | RegLmt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone (MIBK) | ND | ppbv | 14.7 | 26.8 | | | 09/29/05 22:32 | HRG | 108-10-1 | | |
| Methyl-tert-butyl ether | ND | ppbv | 26.8 | 26.8 | | | 09/29/05 22:32 | HRG | 1634-04-4 | | |
| Propylene | ND | ppbv | 53.6 | 26.8 | | | 09/29/05 22:32 | HRG | 115-07-1 | 1 | |
| Styrene | ND | ppbv | 14.7 | 26.8 | | | 09/29/05 22:32 | HRG | 100-42-5 | | |
| 1,1,2,2-Tetrachloroethane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 79-34-5 | | |
| Tetrachloroethene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 127-18-4 | | |
| Tetrahydrofuran | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 109-99-9 | | |
| Toluene | 1840 | ppbv | 223 | 428.8 | | | 10/04/05 00:37 | PMW | 108-88-3 | 2 | |
| 1,2,4-Trichlorobenzene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 120-82-1 | | |
| 1,1,1-Trichloroethane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 71-55-6 | | |
| 1,1,2-Trichloroethane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 79-00-5 | | |
| Trichloroethene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 79-01-6 | | |
| Trichlorofluoromethane | ND | ppbv | 13.4 | 26.8 | | | 09/29/05 22:32 | HRG | 75-69-4 | | |
| 1,1,2-Trichlorotrifluoroethane | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 76-13-1 | | |
| 1,2,4-Trimethylbenzene | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 95-63-6 | | |
| 1,3,5-Trimethylbenzene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 108-67-8 | | |
| Vinyl acetate | ND | ppbv | 14.7 | 26.8 | | | 09/29/05 22:32 | HRG | 108-05-4 | | |
| Vinyl chloride | ND | ppbv | 13.7 | 26.8 | | | 09/29/05 22:32 | HRG | 75-01-4 | | |
| m&p-Xylene | ND | ppbv | 26.8 | 26.8 | | | 09/29/05 22:32 | HRG | 1330-20-7 | | |
| o-Xylene | ND | ppbv | 13.9 | 26.8 | | | 09/29/05 22:32 | HRG | 95-47-6 | | |



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# ANALYTICAL RESULTS QUALIFIERS

Project: 1020184
Project ID: 5090522

## PARAMETER QUALIFIERS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

## ANALYTE QUALIFIERS

[1] The initial calibration for this compound is outside of method control limits. The result for this compound is an estimation.

[2] The sample was analyzed by serial dilution.



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# QUALITY CONTROL DATA

Project: 1020184
Project ID: 5090522

QC Batch: AIR/2716 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR
Associated Lab Samples: 1020184001 1020231002

METHOD BLANK: 140781
Associated Lab Samples: 1020184001

| Parameter | Units | Blank Result | Reporting Limit | Qualifiers |
|---|---|---|---|---|
| 1,1-Dichloroethane | ppbv | ND | 0.52 | |
| 1,1-Dichloroethene | ppbv | ND | 0.52 | |
| 1,1,1-Trichloroethane | ppbv | ND | 0.52 | |
| 1,1,2-Trichloroethane | ppbv | ND | 0.52 | |
| 1,1,2,2-Tetrachloroethane | ppbv | ND | 0.52 | |
| 1,2,4-Trichlorobenzene | ppbv | ND | 0.52 | |
| 1,2-Dichlorobenzene | ppbv | ND | 0.51 | |
| 1,2-Dichloroethane | ppbv | ND | 0.52 | |
| 1,2-Dibromoethane (EDB) | ppbv | ND | 0.52 | |
| 1,2-Dichloropropane | ppbv | ND | 0.52 | |
| 1,2,4-Trimethylbenzene | ppbv | ND | 0.51 | |
| 1,3-Butadiene | ppbv | ND | 0.52 | |
| 1,3-Dichlorobenzene | ppbv | ND | 0.51 | |
| 1,3,5-Trimethylbenzene | ppbv | ND | 0.52 | |
| 1,4-Dichlorobenzene | ppbv | ND | 0.51 | |
| 2-Butanone (MEK) | ppbv | ND | 0.55 | |
| 2-Hexanone | ppbv | ND | 0.55 | |
| 4-Ethyltoluene | ppbv | ND | 0.53 | |
| Carbon disulfide | ppbv | ND | 0.50 | |
| Dichlorotetrafluoroethane | ppbv | ND | 0.57 | |
| Acetone | ppbv | ND | 0.55 | |
| Benzene | ppbv | ND | 0.52 | |
| Bromodichloromethane | ppbv | ND | 0.51 | |
| Bromomethane | ppbv | ND | 0.51 | |
| Bromoform | ppbv | ND | 0.52 | |
| cis-1,2-Dichloroethene | ppbv | ND | 0.52 | |
| cis-1,3-Dichloropropene | ppbv | ND | 0.51 | |
| Carbon tetrachloride | ppbv | ND | 0.51 | |
| Cyclohexane | ppbv | ND | 0.52 | |
| Chlorobenzene | ppbv | ND | 0.52 | |
| Chloroethane | ppbv | ND | 0.51 | |
| Chloroform | ppbv | ND | 0.51 | |
| Chloromethane | ppbv | ND | 0.50 | |
| Dibromochloromethane | ppbv | ND | 0.53 | |
| Dichlorodifluoromethane | ppbv | ND | 0.51 | |
| Ethyl acetate | ppbv | ND | 0.51 | |
| Ethylbenzene | ppbv | ND | 0.52 | |
| Hexachloro-1,3-butadiene | ppbv | ND | 0.50 | |
| Methylene chloride | ppbv | ND | 0.52 | |



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# QUALITY CONTROL DATA

Project: 1020184
Project ID: 5090522

| Parameter | Units | Blank Result | Reporting Limit | Qualifiers |
|---|---|---|---|---|
| Methyl-tert-butyl ether | ppbv | ND | 1.0 | |
| 4-Methyl-2-pentanone (MIBK) | ppbv | ND | 0.55 | |
| m&p-Xylene | ppbv | ND | 1.0 | |
| n-Heptane | ppbv | ND | 0.52 | |
| n-Hexane | ppbv | ND | 0.53 | |
| o-Xylene | ppbv | ND | 0.52 | |
| Propylene | ppbv | ND | 2.0 | 1 |
| Styrene | ppbv | ND | 0.55 | |
| trans-1,2-Dichloroethene | ppbv | ND | 1.0 | |
| trans-1,3-Dichloropropene | ppbv | ND | 0.52 | |
| Tetrachloroethene | ppbv | ND | 0.52 | |
| Tetrahydrofuran | ppbv | ND | 0.52 | |
| 1,1,2-Trichlorotrifluoroethane | ppbv | ND | 0.52 | |
| Toluene | ppbv | ND | 0.52 | |
| Trichloroethene | ppbv | ND | 0.52 | |
| Trichlorofluoromethane | ppbv | ND | 0.50 | |
| Vinyl acetate | ppbv | ND | 0.55 | |
| Vinyl chloride | ppbv | ND | 0.51 | |

LABORATORY CONTROL SAMPLE: 140782

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | ppbv | 10.3 | 9.9 | 96 | 59-136 | |
| 1,1-Dichloroethene | ppbv | 10.4 | 9.7 | 94 | 60-137 | |
| 1,1,1-Trichloroethane | ppbv | 10.1 | 10.1 | 100 | 60-134 | |
| 1,1,2-Trichloroethane | ppbv | 10.4 | 11.3 | 108 | 64-129 | |
| 1,1,2,2-Tetrachloroethane | ppbv | 10.3 | 9.3 | 90 | 55-141 | |
| 1,2,4-Trichlorobenzene | ppbv | 10.9 | 8.0 | 73 | 50-150 | |
| 1,2-Dichlorobenzene | ppbv | 10.3 | 9.0 | 88 | 60-139 | |
| 1,2-Dichloroethane | ppbv | 10.7 | 12.9 | 120 | 56-141 | |
| 1,2-Dibromoethane (EDB) | ppbv | 11 | 10.2 | 92 | 61-136 | |
| 1,2-Dichloropropane | ppbv | 10.2 | 11.3 | 111 | 57-131 | |
| 1,2,4-Trimethylbenzene | ppbv | 10.5 | 8.9 | 85 | 63-137 | |
| 1,3-Butadiene | ppbv | 9.6 | 10.6 | 110 | 53-140 | |
| 1,3-Dichlorobenzene | ppbv | 10.6 | 9.9 | 93 | 59-136 | |
| 1,3,5-Trimethylbenzene | ppbv | 10.7 | 9.1 | 85 | 61-134 | |
| 1,4-Dichlorobenzene | ppbv | 10.7 | 9.4 | 87 | 59-130 | |
| 2-Butanone (MEK) | ppbv | 10.3 | 13.5 | 131 | 54-133 | |
| 2-Hexanone | ppbv | 10.8 | 8.2 | 76 | 54-139 | |
| 4-Ethyltoluene | ppbv | 10.9 | 9.7 | 89 | 61-138 | |
| Carbon disulfide | ppbv | 10 | 11.6 | 116 | 50-150 | |
| Dichlorotetrafluoroethane | ppbv | 9.8 | 10.2 | 104 | 59-130 | |

Date: 10/04/2005



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# QUALITY CONTROL DATA

Project: 1020184
Project ID: 5090522

LABORATORY CONTROL SAMPLE: 140782

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Acetone | ppbv | 10.3 | 7.9 | 77 | 50-139 | |
| Benzene | ppbv | 10.3 | 11.0 | 106 | 64-125 | |
| Bromodichloromethane | ppbv | 11 | 12.8 | 116 | 61-131 | |
| Bromomethane | ppbv | 10.2 | 10.1 | 99 | 55-135 | |
| Bromoform | ppbv | 10.7 | 8.8 | 83 | 66-138 | |
| cis-1,2-Dichloroethene | ppbv | 10.8 | 10.9 | 101 | 62-135 | |
| cis-1,3-Dichloropropene | ppbv | 10.6 | 12.1 | 114 | 64-133 | |
| Carbon tetrachloride | ppbv | 10.4 | 8.8 | 84 | 58-135 | |
| Cyclohexane | ppbv | 10.2 | 9.9 | 97 | 54-139 | |
| Chlorobenzene | ppbv | 10.8 | 10.1 | 93 | 62-139 | |
| Chloroethane | ppbv | 9.8 | 9.3 | 95 | 56-140 | |
| Chloroform | ppbv | 10.1 | 9.7 | 96 | 50-150 | |
| Chloromethane | ppbv | 10.4 | 10.1 | 97 | 56-144 | |
| Dibromochloromethane | ppbv | 10.7 | 10.2 | 96 | 50-150 | |
| Dichlorodifluoromethane | ppbv | 9.3 | 10.0 | 108 | 60-130 | |
| Ethyl acetate | ppbv | 9.7 | 11.9 | 122 | 60-132 | |
| Ethylbenzene | ppbv | 10.6 | 10.1 | 95 | 65-140 | |
| Hexachloro-1,3-butadiene | ppbv | 10.8 | 7.8 | 72 | 50-150 | |
| Methylene chloride | ppbv | 10.7 | 9.6 | 90 | 56-138 | |
| Methyl-tert-butyl ether | ppbv | 10.6 | 14.6 | 137 | 50-150 | |
| 4-Methyl-2-pentanone (MIBK) | ppbv | 10.4 | 9.6 | 92 | 53-139 | |
| m&p-Xylene | ppbv | 21.5 | 19.5 | 91 | 60-132 | |
| n-Heptane | ppbv | 10.2 | 10.3 | 101 | 62-135 | |
| n-Hexane | ppbv | 10.3 | 10.6 | 103 | 62-134 | |
| o-Xylene | ppbv | 11 | 9.8 | 89 | 64-132 | |
| Propylene | ppbv | 10.1 | 10.6 | 105 | 56-125 | 1 |
| Styrene | ppbv | 10.7 | 10.7 | 100 | 69-134 | |
| trans-1,2-Dichloroethene | ppbv | 10.2 | 9.1 | 90 | 50-150 | |
| trans-1,3-Dichloropropene | ppbv | 10.7 | 10.4 | 98 | 70-142 | |
| Tetrachloroethene | ppbv | 10.5 | 9.4 | 90 | 60-137 | |
| Tetrahydrofuran | ppbv | 10.5 | 9.9 | 94 | 52-139 | |
| 1,1,2-Trichlorotrifluoroethane | ppbv | 10.3 | 10 | 97 | 55-137 | |
| Toluene | ppbv | 10.4 | 11.0 | 106 | 69-130 | |
| Trichloroethene | ppbv | 10.3 | 11.0 | 107 | 60-134 | |
| Trichlorofluoromethane | ppbv | 10.5 | 9.4 | 90 | 56-141 | |
| Vinyl acetate | ppbv | 10.1 | 8.4 | 83 | 61-142 | |
| Vinyl chloride | ppbv | 9.3 | 9.9 | 107 | 66-132 | |

Date: 10/04/2005



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# QUALITY CONTROL DATA

Project: 1020184
Project ID: 5090522

SAMPLE DUPLICATE: 140783

| Parameter | Units | 1019529007 Result | DUP Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | ppbv | ND | ND | | 30 | 2 |
| 1,1-Dichloroethene | ppbv | ND | ND | | 30 | 2 |
| 1,1,1-Trichloroethane | ppbv | ND | ND | | 30 | 2 |
| 1,1,2-Trichloroethane | ppbv | ND | ND | | 30 | 2 |
| 1,1,2,2-Tetrachloroethane | ppbv | ND | ND | | 30 | 2 |
| 1,2,4-Trichlorobenzene | ppbv | ND | ND | | 30 | 2 |
| 1,2-Dichlorobenzene | ppbv | ND | ND | | 30 | 2 |
| 1,2-Dichloroethane | ppbv | ND | ND | | 30 | 2 |
| 1,2-Dibromoethane (EDB) | ppbv | ND | ND | | 30 | 2 |
| 1,2-Dichloropropane | ppbv | ND | ND | | 30 | 2 |
| 1,2,4-Trimethylbenzene | ppbv | ND | ND | | 30 | 2 |
| 1,3-Butadiene | ppbv | | ND | 0 | 30 | |
| 1,3-Dichlorobenzene | ppbv | ND | ND | | 30 | 2 |
| 1,3,5-Trimethylbenzene | ppbv | ND | ND | | 30 | 2 |
| 1,4-Dichlorobenzene | ppbv | ND | ND | | 30 | 2 |
| 2-Butanone (MEK) | ppbv | 2.6 | 2.3 | 12 | 30 | |
| 2-Hexanone | ppbv | ND | ND | | 30 | 2 |
| 4-Ethyltoluene | ppbv | | ND | 0 | 30 | |
| Carbon disulfide | ppbv | ND | ND | | 30 | 2 |
| Dichlorotetrafluoroethane | ppbv | | ND | 0 | 30 | |
| Acetone | ppbv | 8.1 | 7.4 | 9 | 30 | |
| Benzene | ppbv | ND | ND | | 30 | 2 |
| Bromodichloromethane | ppbv | ND | ND | | 30 | 2 |
| Bromomethane | ppbv | ND | ND | | 30 | 2 |
| Bromoform | ppbv | ND | ND | | 30 | 2 |
| cis-1,2-Dichloroethene | ppbv | ND | ND | | 30 | 2 |
| cis-1,3-Dichloropropene | ppbv | ND | ND | | 30 | 2 |
| Carbon tetrachloride | ppbv | ND | ND | | 30 | 2 |
| Cyclohexane | ppbv | | ND | 0 | 30 | |
| Chlorobenzene | ppbv | ND | ND | | 30 | 2 |
| Chloroethane | ppbv | ND | ND | | 30 | 2 |
| Chloroform | ppbv | ND | ND | | 30 | 2 |
| Chloromethane | ppbv | ND | ND | | 30 | 2 |
| Dibromochloromethane | ppbv | ND | ND | | 30 | 2 |
| Dichlorodifluoromethane | ppbv | | ND | 0 | 30 | |
| Ethyl acetate | ppbv | | ND | 0 | 30 | |
| Ethylbenzene | ppbv | ND | ND | | 30 | 2 |
| Hexachloro-1,3-butadiene | ppbv | ND | ND | | 30 | 2 |
| Methylene chloride | ppbv | ND | ND | | 30 | 2 |
| Methyl-tert-butyl ether | ppbv | | ND | 0 | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ppbv | ND | ND | | 30 | 2 |
| m&p-Xylene | ppbv | ND | ND | | 30 | 2 |
| n-Heptane | ppbv | ND | ND | | 30 | 2 |

Date: 10/04/2005



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# QUALITY CONTROL DATA

Project: 1020184
Project ID: 5090522

SAMPLE DUPLICATE: 140783

| Parameter | Units | 1019529007 Result | DUP Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| n-Hexane | ppbv | ND | ND | | 30 | 2 |
| o-Xylene | ppbv | ND | ND | | 30 | 2 |
| Propylene | ppbv | | ND | 0 | 30 | 1 |
| Styrene | ppbv | ND | ND | | 30 | 2 |
| trans-1,2-Dichloroethene | ppbv | ND | ND | | 30 | 2 |
| trans-1,3-Dichloropropene | ppbv | ND | ND | | 30 | 2 |
| Tetrachloroethene | ppbv | ND | ND | | 30 | 2 |
| Tetrahydrofuran | ppbv | | ND | 0 | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ppbv | ND | ND | | 30 | 2 |
| Toluene | ppbv | ND | ND | | 30 | 2 |
| Trichloroethene | ppbv | ND | ND | | 30 | 2 |
| Trichlorofluoromethane | ppbv | | ND | 0 | 30 | |
| Vinyl acetate | ppbv | | ND | 0 | 30 | |
| Vinyl chloride | ppbv | ND | ND | | 30 | 2 |



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# QUALITY CONTROL DATA QUALIFIERS

Project: 1020184
Project ID: 5090522

## QUALITY CONTROL PARAMETER QUALIFIERS

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

## QUALITY CONTROL ANALYTE QUALIFIERS

[1] The initial calibration for this compound is outside of method control limits. The result for this compound is an estimation.

[2] The sample and duplicate results for this parameter are less than the reporting limit, the RPD can not be calculated.



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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 1020184
Project ID: 5090522

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **1020184001** | **5090522-02** | TO-15 | AIR/2716 | | |



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WORK ORDER

Printed: 9/28/2005 6:07:32PM

**5090522**

## GLA Laboratories

**Client:** Code Environmental
**Project:** Bayonne Barrel & Drum

**Project Manager:** Kristy Sheth
**Project Number:** 628188

**Report To:**
Code Environmental
Tom Tomasetti
400 Middlesex Avenue
Carteret, NJ 07008
Phone: (732) 969-2700
Fax: (732) 969-2701

**Invoice To:**
Code Environmental
Tom Tomasetti
400 Middlesex Avenue
Carteret, NJ 07008
Phone :(732) 969-2700
Fax: (732) 969-2701

Date Due: 09/27/05 18:00 (5 day TAT)

Received By: Jake Zanck
Date Received: 09/20/05 13:00

Logged In By: Jake Zanck
Date Logged In: 09/21/05 11:05

Samples Received at: 20°C

| | | | |
|---|---|---|---|
| Custody Seals | No | Received On Ice | No |
| Containers Intact | Yes | | |
| COC/Labels Agree | Yes | | |
| Preservation Confir | Yes | | |

| Analysis | Due | TAT | Expires | Comments |
|---|---|---|---|---|
| **5090522-01 BBD - Cyclone - Pb [Air] Sampled 09/19/05 10:45 Eastern** | | | | |
| Pb Total ICP 6010B | 09/27/05 17:00 | 5 | 03/18/06 10:45 | |
| **PACE ANALYTICAL SERVICES** | | | | |
| **5090522-02 BBD - ROPump - Air [Air] Sampled 09/19/05 10:50 Eastern** | | | | |
| TO-15 | 09/27/05 17:00 | 5 | 10/03/05 10:50 | |

Reviewed By

Date