

LABORATORY REPORT

Prepared For: BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project: BP Carson RW
LVW and RW

Sampled: 02/07/08
Received: 02/07/08
Issued: 02/21/08 16:49

NELAP #01108CA California ELAP#1197 CSDLAC #10256

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: Not all holding times were met. Results were qualified where the sample analysis did not occur within method specified holding time requirements.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID

IRB0719-01
IRB0719-02
IRB0719-03

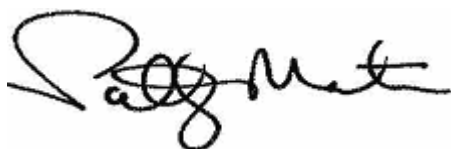
CLIENT ID

Outfall #23 LVW
Receiving Water A
Receiving Water B

MATRIX

Water
Water
Water

Reviewed By:



TestAmerica Irvine

Patty Mata
Project Manager

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Acrolein | EPA 8260B | 8B14032 | 4.0 | 5.0 | ND | 1 | 02/14/08 | 02/14/08 | |
| Acrylonitrile | EPA 8260B | 8B14032 | 0.70 | 2.0 | ND | 1 | 02/14/08 | 02/14/08 | |
| Surrogate: Dibromofluoromethane (80-120%) | | | | | 114 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | | 97 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-120%) | | | | | 97 % | | | | |
| Sample ID: IRB0719-01RE1 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 2-Chloroethyl vinyl ether | EPA 8260B | 8B14034 | 1.8 | 5.0 | ND | 1 | 02/14/08 | 02/14/08 | |
| Surrogate: Dibromofluoromethane (80-120%) | | | | | 85 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | | 91 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-120%) | | | | | 84 % | | | | |
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Acrolein | EPA 8260B | 8B14032 | 4.0 | 5.0 | ND | 1 | 02/14/08 | 02/14/08 | |
| Acrylonitrile | EPA 8260B | 8B14032 | 0.70 | 2.0 | ND | 1 | 02/14/08 | 02/14/08 | |
| Surrogate: Dibromofluoromethane (80-120%) | | | | | 114 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | | 102 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-120%) | | | | | 94 % | | | | |
| Sample ID: IRB0719-02RE1 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 2-Chloroethyl vinyl ether | EPA 8260B | 8B14034 | 1.8 | 5.0 | ND | 1 | 02/14/08 | 02/14/08 | |
| Surrogate: Dibromofluoromethane (80-120%) | | | | | 89 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | | 92 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-120%) | | | | | 85 % | | | | |

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Patty Mata
Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Benzene | EPA 8260B | 8B12016 | 0.28 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromobenzene | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromochloromethane | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromodichloromethane | EPA 8260B | 8B12016 | 0.30 | 1.0 | 0.41 | 1 | 02/12/08 | 02/13/08 | J |
| Bromoform | EPA 8260B | 8B12016 | 0.40 | 1.0 | 2.3 | 1 | 02/12/08 | 02/13/08 | |
| Bromomethane | EPA 8260B | 8B12016 | 0.42 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| n-Butylbenzene | EPA 8260B | 8B12016 | 0.37 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| sec-Butylbenzene | EPA 8260B | 8B12016 | 0.25 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| tert-Butylbenzene | EPA 8260B | 8B12016 | 0.22 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Carbon tetrachloride | EPA 8260B | 8B12016 | 0.28 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chlorobenzene | EPA 8260B | 8B12016 | 0.36 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chloroethane | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chloroform | EPA 8260B | 8B12016 | 0.33 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chloromethane | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 2-Chlorotoluene | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 4-Chlorotoluene | EPA 8260B | 8B12016 | 0.29 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Dibromochloromethane | EPA 8260B | 8B12016 | 0.28 | 1.0 | 0.30 | 1 | 02/12/08 | 02/13/08 | J |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 8B12016 | 0.97 | 5.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Dibromomethane | EPA 8260B | 8B12016 | 0.36 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dichlorobenzene | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,3-Dichlorobenzene | EPA 8260B | 8B12016 | 0.35 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,4-Dichlorobenzene | EPA 8260B | 8B12016 | 0.37 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Dichlorodifluoromethane | EPA 8260B | 8B12016 | 0.26 | 2.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1-Dichloroethane | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dichloroethane | EPA 8260B | 8B12016 | 0.28 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1-Dichloroethene | EPA 8260B | 8B12016 | 0.42 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| cis-1,2-Dichloroethene | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| trans-1,2-Dichloroethene | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dichloropropane | EPA 8260B | 8B12016 | 0.35 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,3-Dichloropropane | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 2,2-Dichloropropane | EPA 8260B | 8B12016 | 0.34 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1-Dichloropropene | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| cis-1,3-Dichloropropene | EPA 8260B | 8B12016 | 0.22 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| trans-1,3-Dichloropropene | EPA 8260B | 8B12016 | 0.32 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Ethylbenzene | EPA 8260B | 8B12016 | 0.25 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Hexachlorobutadiene | EPA 8260B | 8B12016 | 0.38 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Isopropylbenzene | EPA 8260B | 8B12016 | 0.25 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| p-Isopropyltoluene | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Methylene chloride | EPA 8260B | 8B12016 | 0.95 | 5.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Naphthalene | EPA 8260B | 8B12016 | 0.41 | 1.0 | 0.57 | 1 | 02/12/08 | 02/13/08 | J |

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Styrene | EPA 8260B | 8B12016 | 0.16 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 8B12016 | 0.24 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Tetrachloroethene | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Toluene | EPA 8260B | 8B12016 | 0.36 | 0.50 | 2.4 | 1 | 02/12/08 | 02/13/08 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 8B12016 | 0.30 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 8B12016 | 0.48 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,1-Trichloroethane | EPA 8260B | 8B12016 | 0.30 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,2-Trichloroethane | EPA 8260B | 8B12016 | 0.30 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Trichloroethene | EPA 8260B | 8B12016 | 0.26 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Trichlorofluoromethane | EPA 8260B | 8B12016 | 0.34 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2,3-Trichloropropane | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 8B12016 | 0.23 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 8B12016 | 0.26 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Vinyl chloride | EPA 8260B | 8B12016 | 0.30 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| o-Xylene | EPA 8260B | 8B12016 | 0.30 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| m,p-Xylenes | EPA 8260B | 8B12016 | 0.60 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Di-isopropyl Ether (DIPE) | EPA 8260B | 8B12016 | 0.25 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Ethyl tert-Butyl Ether (ETBE) | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| tert-Amyl Methyl Ether (TAME) | EPA 8260B | 8B12016 | 0.33 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| tert-Butanol (TBA) | EPA 8260B | 8B12016 | 4.9 | 10 | ND | 1 | 02/12/08 | 02/13/08 | |
| Ethanol | EPA 8260B | 8B12016 | 100 | 150 | ND | 1 | 02/12/08 | 02/13/08 | |
| Surrogate: Dibromofluoromethane (80-120%) | | | | | 104 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | | 98 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-120%) | | | | | 103 % | | | | |

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Benzene | EPA 8260B | 8B12016 | 0.28 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromobenzene | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromochloromethane | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromodichloromethane | EPA 8260B | 8B12016 | 0.30 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromoform | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Bromomethane | EPA 8260B | 8B12016 | 0.42 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| n-Butylbenzene | EPA 8260B | 8B12016 | 0.37 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| sec-Butylbenzene | EPA 8260B | 8B12016 | 0.25 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| tert-Butylbenzene | EPA 8260B | 8B12016 | 0.22 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Carbon tetrachloride | EPA 8260B | 8B12016 | 0.28 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chlorobenzene | EPA 8260B | 8B12016 | 0.36 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chloroethane | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chloroform | EPA 8260B | 8B12016 | 0.33 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Chloromethane | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 2-Chlorotoluene | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 4-Chlorotoluene | EPA 8260B | 8B12016 | 0.29 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Dibromochloromethane | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 8B12016 | 0.97 | 5.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Dibromomethane | EPA 8260B | 8B12016 | 0.36 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dichlorobenzene | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,3-Dichlorobenzene | EPA 8260B | 8B12016 | 0.35 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,4-Dichlorobenzene | EPA 8260B | 8B12016 | 0.37 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Dichlorodifluoromethane | EPA 8260B | 8B12016 | 0.26 | 2.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1-Dichloroethane | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dichloroethane | EPA 8260B | 8B12016 | 0.28 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1-Dichloroethene | EPA 8260B | 8B12016 | 0.42 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| cis-1,2-Dichloroethene | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| trans-1,2-Dichloroethene | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2-Dichloropropane | EPA 8260B | 8B12016 | 0.35 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,3-Dichloropropane | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 2,2-Dichloropropane | EPA 8260B | 8B12016 | 0.34 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1-Dichloropropene | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| cis-1,3-Dichloropropene | EPA 8260B | 8B12016 | 0.22 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| trans-1,3-Dichloropropene | EPA 8260B | 8B12016 | 0.32 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Ethylbenzene | EPA 8260B | 8B12016 | 0.25 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| Hexachlorobutadiene | EPA 8260B | 8B12016 | 0.38 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Isopropylbenzene | EPA 8260B | 8B12016 | 0.25 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| p-Isopropyltoluene | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Methylene chloride | EPA 8260B | 8B12016 | 0.95 | 5.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Naphthalene | EPA 8260B | 8B12016 | 0.41 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-02 (Receiving Water A - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| n-Propylbenzene | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Styrene | EPA 8260B | 8B12016 | 0.16 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 8B12016 | 0.27 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 8B12016 | 0.24 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Tetrachloroethene | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Toluene | EPA 8260B | 8B12016 | 0.36 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 8B12016 | 0.30 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 8B12016 | 0.48 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,1-Trichloroethane | EPA 8260B | 8B12016 | 0.30 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,1,2-Trichloroethane | EPA 8260B | 8B12016 | 0.30 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Trichloroethene | EPA 8260B | 8B12016 | 0.26 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Trichlorofluoromethane | EPA 8260B | 8B12016 | 0.34 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2,3-Trichloropropane | EPA 8260B | 8B12016 | 0.40 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 8B12016 | 0.23 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 8B12016 | 0.26 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Vinyl chloride | EPA 8260B | 8B12016 | 0.30 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| o-Xylene | EPA 8260B | 8B12016 | 0.30 | 0.50 | ND | 1 | 02/12/08 | 02/13/08 | |
| m,p-Xylenes | EPA 8260B | 8B12016 | 0.60 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Di-isopropyl Ether (DIPE) | EPA 8260B | 8B12016 | 0.25 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Ethyl tert-Butyl Ether (ETBE) | EPA 8260B | 8B12016 | 0.28 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| tert-Amyl Methyl Ether (TAME) | EPA 8260B | 8B12016 | 0.33 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 8B12016 | 0.32 | 1.0 | ND | 1 | 02/12/08 | 02/13/08 | |
| tert-Butanol (TBA) | EPA 8260B | 8B12016 | 4.9 | 10 | ND | 1 | 02/12/08 | 02/13/08 | |
| Ethanol | EPA 8260B | 8B12016 | 100 | 150 | ND | 1 | 02/12/08 | 02/13/08 | |
| Surrogate: Dibromofluoromethane (80-120%) | | | | | 105 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | | 97 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-120%) | | | | | 104 % | | | | |

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Project Manager

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IRB0719 <Page 6 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Acenaphthene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Acenaphthylene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Aniline | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Anthracene | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzidine | EPA 8270C | 8B10027 | 8.1 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzoic acid | EPA 8270C | 8B10027 | 9.6 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzo(a)anthracene | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzo(b)fluoranthene | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzo(k)fluoranthene | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzo(g,h,i)perylene | EPA 8270C | 8B10027 | 3.8 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzo(a)pyrene | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Benzyl alcohol | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Bis(2-chloroethoxy)methane | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Bis(2-chloroethyl)ether | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Bis(2-chloroisopropyl)ether | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Bis(2-ethylhexyl)phthalate | EPA 8270C | 8B10027 | 3.8 | 48 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4-Bromophenyl phenyl ether | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Butyl benzyl phthalate | EPA 8270C | 8B10027 | 3.8 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4-Chloroaniline | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2-Chloronaphthalene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4-Chloro-3-methylphenol | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2-Chlorophenol | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4-Chlorophenyl phenyl ether | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Chrysene | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Dibenz(a,h)anthracene | EPA 8270C | 8B10027 | 2.9 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Dibenzofuran | EPA 8270C | 8B10027 | 3.8 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Di-n-butyl phthalate | EPA 8270C | 8B10027 | 2.9 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 1,3-Dichlorobenzene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 1,4-Dichlorobenzene | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 1,2-Dichlorobenzene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 3,3-Dichlorobenzidine | EPA 8270C | 8B10027 | 2.9 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2,4-Dichlorophenol | EPA 8270C | 8B10027 | 3.3 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Diethyl phthalate | EPA 8270C | 8B10027 | 3.3 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2,4-Dimethylphenol | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Dimethyl phthalate | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4,6-Dinitro-2-methylphenol | EPA 8270C | 8B10027 | 3.8 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2,4-Dinitrophenol | EPA 8270C | 8B10027 | 7.7 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2,4-Dinitrotoluene | EPA 8270C | 8B10027 | 3.3 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2,6-Dinitrotoluene | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Di-n-octyl phthalate | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Fluoranthene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Fluorene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Hexachlorobenzene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Hexachlorobutadiene | EPA 8270C | 8B10027 | 3.8 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Hexachlorocyclopentadiene | EPA 8270C | 8B10027 | 4.8 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Hexachloroethane | EPA 8270C | 8B10027 | 3.3 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Indeno(1,2,3-cd)pyrene | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Isophorone | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2-Methylnaphthalene | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2-Methylphenol | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4-Methylphenol | EPA 8270C | 8B10027 | 2.9 | 9.6 | 16 | 0.957 | 02/10/08 | 02/12/08 | |
| Naphthalene | EPA 8270C | 8B10027 | 2.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2-Nitroaniline | EPA 8270C | 8B10027 | 1.9 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 3-Nitroaniline | EPA 8270C | 8B10027 | 2.9 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4-Nitroaniline | EPA 8270C | 8B10027 | 3.8 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Nitrobenzene | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2-Nitrophenol | EPA 8270C | 8B10027 | 3.3 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 4-Nitrophenol | EPA 8270C | 8B10027 | 5.3 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| N-Nitrosodiphenylamine | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| N-Nitroso-di-n-propylamine | EPA 8270C | 8B10027 | 3.3 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Pentachlorophenol | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Phenanthrene | EPA 8270C | 8B10027 | 3.3 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Phenol | EPA 8270C | 8B10027 | 1.9 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Pyrene | EPA 8270C | 8B10027 | 3.8 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 1,2,4-Trichlorobenzene | EPA 8270C | 8B10027 | 2.4 | 9.6 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2,4,5-Trichlorophenol | EPA 8270C | 8B10027 | 2.9 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 2,4,6-Trichlorophenol | EPA 8270C | 8B10027 | 4.3 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| N-Nitrosodimethylamine | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| 1,2-Diphenylhydrazine/Azobenzene | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.957 | 02/10/08 | 02/12/08 | |
| Surrogate: 2-Fluorophenol (30-120%) | | | | | 76 % | | | | |
| Surrogate: Phenol-d6 (35-120%) | | | | | 83 % | | | | |
| Surrogate: 2,4,6-Tribromophenol (40-120%) | | | | | 67 % | | | | |
| Surrogate: Nitrobenzene-d5 (45-120%) | | | | | 83 % | | | | |
| Surrogate: 2-Fluorobiphenyl (50-120%) | | | | | 89 % | | | | |
| Surrogate: Terphenyl-d14 (50-125%) | | | | | 86 % | | | | |

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|--------------|--------------------|------------------|--------------------|-------------------|------------------|--------------------|
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Acenaphthene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Acenaphthylene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Aniline | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Anthracene | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzidine | EPA 8270C | 8B10027 | 8.0 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzoic acid | EPA 8270C | 8B10027 | 9.4 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzo(a)anthracene | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzo(b)fluoranthene | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzo(k)fluoranthene | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzo(g,h,i)perylene | EPA 8270C | 8B10027 | 3.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzo(a)pyrene | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Benzyl alcohol | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Bis(2-chloroethoxy)methane | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Bis(2-chloroethyl)ether | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Bis(2-chloroisopropyl)ether | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Bis(2-ethylhexyl)phthalate | EPA 8270C | 8B10027 | 3.8 | 47 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4-Bromophenyl phenyl ether | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Butyl benzyl phthalate | EPA 8270C | 8B10027 | 3.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4-Chloroaniline | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2-Chloronaphthalene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4-Chloro-3-methylphenol | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2-Chlorophenol | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4-Chlorophenyl phenyl ether | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Chrysene | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Dibenz(a,h)anthracene | EPA 8270C | 8B10027 | 2.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Dibenzofuran | EPA 8270C | 8B10027 | 3.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Di-n-butyl phthalate | EPA 8270C | 8B10027 | 2.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 1,3-Dichlorobenzene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 1,4-Dichlorobenzene | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 1,2-Dichlorobenzene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 3,3-Dichlorobenzidine | EPA 8270C | 8B10027 | 2.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2,4-Dichlorophenol | EPA 8270C | 8B10027 | 3.3 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Diethyl phthalate | EPA 8270C | 8B10027 | 3.3 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2,4-Dimethylphenol | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Dimethyl phthalate | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4,6-Dinitro-2-methylphenol | EPA 8270C | 8B10027 | 3.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2,4-Dinitrophenol | EPA 8270C | 8B10027 | 7.5 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2,4-Dinitrotoluene | EPA 8270C | 8B10027 | 3.3 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2,6-Dinitrotoluene | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Di-n-octyl phthalate | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Fluoranthene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |

TestAmerica Irvine

Patty Mata
Project Manager

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IRB0719 <Page 9 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-02 (Receiving Water A - Water) - cont. | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Fluorene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Hexachlorobenzene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Hexachlorobutadiene | EPA 8270C | 8B10027 | 3.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Hexachlorocyclopentadiene | EPA 8270C | 8B10027 | 4.7 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Hexachloroethane | EPA 8270C | 8B10027 | 3.3 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Indeno(1,2,3-cd)pyrene | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Isophorone | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2-Methylnaphthalene | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2-Methylphenol | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4-Methylphenol | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Naphthalene | EPA 8270C | 8B10027 | 2.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2-Nitroaniline | EPA 8270C | 8B10027 | 1.9 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 3-Nitroaniline | EPA 8270C | 8B10027 | 2.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4-Nitroaniline | EPA 8270C | 8B10027 | 3.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Nitrobenzene | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2-Nitrophenol | EPA 8270C | 8B10027 | 3.3 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 4-Nitrophenol | EPA 8270C | 8B10027 | 5.2 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| N-Nitrosodiphenylamine | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| N-Nitroso-di-n-propylamine | EPA 8270C | 8B10027 | 3.3 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Pentachlorophenol | EPA 8270C | 8B10027 | 3.3 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Phenanthrene | EPA 8270C | 8B10027 | 3.3 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Phenol | EPA 8270C | 8B10027 | 1.9 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Pyrene | EPA 8270C | 8B10027 | 3.8 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 1,2,4-Trichlorobenzene | EPA 8270C | 8B10027 | 2.4 | 9.4 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2,4,5-Trichlorophenol | EPA 8270C | 8B10027 | 2.8 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 2,4,6-Trichlorophenol | EPA 8270C | 8B10027 | 4.2 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| N-Nitrosodimethylamine | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| 1,2-Diphenylhydrazine/Azobenzene | EPA 8270C | 8B10027 | 2.4 | 19 | ND | 0.943 | 02/10/08 | 02/13/08 | |
| Surrogate: 2-Fluorophenol (30-120%) | | | | | 74 % | | | | |
| Surrogate: Phenol-d6 (35-120%) | | | | | 82 % | | | | |
| Surrogate: 2,4,6-Tribromophenol (40-120%) | | | | | 65 % | | | | |
| Surrogate: Nitrobenzene-d5 (45-120%) | | | | | 75 % | | | | |
| Surrogate: 2-Fluorobiphenyl (50-120%) | | | | | 78 % | | | | |
| Surrogate: Terphenyl-d14 (50-125%) | | | | | 86 % | | | | |

TestAmerica Irvine

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Project Manager

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IRB0719 <Page 10 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 4,4'-DDD | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| 4,4'-DDE | EPA 8081A | 8B09001 | 0.0028 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| 4,4'-DDT | EPA 8081A | 8B09001 | 0.0038 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aldrin | EPA 8081A | 8B09001 | 0.0014 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| alpha-BHC | EPA 8081A | 8B09001 | 0.0024 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| beta-BHC | EPA 8081A | 8B09001 | 0.0038 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| delta-BHC | EPA 8081A | 8B09001 | 0.0033 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| gamma-BHC (Lindane) | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Dieldrin | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endosulfan I | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endosulfan II | EPA 8081A | 8B09001 | 0.0028 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endosulfan sulfate | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endrin | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endrin aldehyde | EPA 8081A | 8B09001 | 0.0019 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endrin ketone | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Heptachlor | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Heptachlor epoxide | EPA 8081A | 8B09001 | 0.0024 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Methoxychlor | EPA 8081A | 8B09001 | 0.0033 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Chlordane | EPA 8081A | 8B09001 | 0.028 | 0.094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Toxaphene | EPA 8081A | 8B09001 | 0.066 | 0.094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Surrogate: Decachlorobiphenyl (45-120%) | | | | | 63 % | | | | |
| Surrogate: Tetrachloro-m-xylene (35-115%) | | | | | 65 % | | | | |

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IRB0719 <Page 11 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 4,4'-DDD | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| 4,4'-DDE | EPA 8081A | 8B09001 | 0.0028 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| 4,4'-DDT | EPA 8081A | 8B09001 | 0.0038 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aldrin | EPA 8081A | 8B09001 | 0.0014 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| alpha-BHC | EPA 8081A | 8B09001 | 0.0024 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| beta-BHC | EPA 8081A | 8B09001 | 0.0038 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| delta-BHC | EPA 8081A | 8B09001 | 0.0033 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| gamma-BHC (Lindane) | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Dieldrin | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endosulfan I | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endosulfan II | EPA 8081A | 8B09001 | 0.0028 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endosulfan sulfate | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endrin | EPA 8081A | 8B09001 | 0.0019 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endrin aldehyde | EPA 8081A | 8B09001 | 0.0019 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Endrin ketone | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Heptachlor | EPA 8081A | 8B09001 | 0.0028 | 0.0094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Heptachlor epoxide | EPA 8081A | 8B09001 | 0.0024 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Methoxychlor | EPA 8081A | 8B09001 | 0.0033 | 0.0047 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Chlordane | EPA 8081A | 8B09001 | 0.028 | 0.094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Toxaphene | EPA 8081A | 8B09001 | 0.066 | 0.094 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Surrogate: Decachlorobiphenyl (45-120%) | | | | | 63 % | | | | |
| Surrogate: Tetrachloro-m-xylene (35-115%) | | | | | 51 % | | | | |

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

SOLUBLE POLYCHLORINATED BIPHENYLS (EPA 8082)

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|---------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Aroclor 1016 | EPA 3510/8082 | 8B09001 | 0.42 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1221 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1232 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1242 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1248 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1254 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1260 | EPA 3510/8082 | 8B09001 | 0.28 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Surrogate: Decachlorobiphenyl (45-120%) | | | | | 85 % | | | | |

| | | | | | | | | | |
|--|---------------|---------|------|------|------|-------|----------|----------|--|
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Aroclor 1016 | EPA 3510/8082 | 8B09001 | 0.42 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1221 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1232 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1242 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1248 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1254 | EPA 3510/8082 | 8B09001 | 0.24 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Aroclor 1260 | EPA 3510/8082 | 8B09001 | 0.28 | 0.47 | ND | 0.943 | 02/09/08 | 02/12/08 | |
| Surrogate: Decachlorobiphenyl (45-120%) | | | | | 78 % | | | | |

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IRB0719 <Page 13 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METALS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Mercury | EPA 7470A | 8B11073 | 0.00010 | 0.00020 | ND | 1 | 02/11/08 | 02/11/08 | |
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Mercury | EPA 7470A | 8B11073 | 0.00010 | 0.00020 | ND | 1 | 02/11/08 | 02/11/08 | |
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Antimony | EPA 6020 | 8B11090 | 0.20 | 2.0 | 0.83 | 1 | 02/11/08 | 02/11/08 | J |
| Arsenic | EPA 6020 | 8B11090 | 0.70 | 1.0 | 2.2 | 1 | 02/11/08 | 02/12/08 | |
| Beryllium | EPA 6020 | 8B11090 | 0.20 | 0.50 | ND | 1 | 02/11/08 | 02/12/08 | |
| Cadmium | EPA 6020 | 8B11090 | 0.11 | 1.0 | 0.15 | 1 | 02/11/08 | 02/11/08 | J |
| Chromium | EPA 6020 | 8B11090 | 0.70 | 2.0 | 2.2 | 1 | 02/11/08 | 02/11/08 | |
| Copper | EPA 6020 | 8B11090 | 0.75 | 2.0 | 9.5 | 1 | 02/11/08 | 02/11/08 | |
| Lead | EPA 6020 | 8B11090 | 0.30 | 1.0 | 4.2 | 1 | 02/11/08 | 02/11/08 | |
| Nickel | EPA 6020 | 8B11090 | 0.90 | 2.0 | 3.5 | 1 | 02/11/08 | 02/11/08 | |
| Selenium | EPA 6020 | 8B11090 | 0.30 | 2.0 | 1.5 | 1 | 02/11/08 | 02/11/08 | J |
| Silver | EPA 6020 | 8B11090 | 0.30 | 1.0 | ND | 1 | 02/11/08 | 02/11/08 | |
| Thallium | EPA 6020 | 8B11090 | 0.20 | 1.0 | ND | 1 | 02/11/08 | 02/11/08 | |
| Zinc | EPA 6020 | 8B11090 | 25 | 200 | 620 | 10 | 02/11/08 | 02/12/08 | |
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| Antimony | EPA 6020 | 8B11090 | 1.0 | 10 | ND | 5 | 02/11/08 | 02/11/08 | RL1 |
| Arsenic | EPA 6020 | 8B11090 | 3.5 | 5.0 | ND | 5 | 02/11/08 | 02/12/08 | RL1 |
| Beryllium | EPA 6020 | 8B11090 | 1.0 | 2.5 | ND | 5 | 02/11/08 | 02/12/08 | RL1 |
| Cadmium | EPA 6020 | 8B11090 | 0.55 | 5.0 | ND | 5 | 02/11/08 | 02/11/08 | RL1 |
| Chromium | EPA 6020 | 8B11090 | 3.5 | 10 | ND | 5 | 02/11/08 | 02/11/08 | RL1 |
| Copper | EPA 6020 | 8B11090 | 3.8 | 10 | 8.4 | 5 | 02/11/08 | 02/11/08 | RL1, J |
| Lead | EPA 6020 | 8B11090 | 1.5 | 5.0 | ND | 5 | 02/11/08 | 02/11/08 | RL1 |
| Nickel | EPA 6020 | 8B11090 | 4.5 | 10 | 14 | 5 | 02/11/08 | 02/11/08 | |
| Selenium | EPA 6020 | 8B11090 | 1.5 | 10 | 170 | 5 | 02/11/08 | 02/11/08 | |
| Silver | EPA 6020 | 8B11090 | 1.5 | 5.0 | ND | 5 | 02/11/08 | 02/11/08 | RL1 |
| Thallium | EPA 6020 | 8B11090 | 1.0 | 5.0 | ND | 5 | 02/11/08 | 02/11/08 | RL1 |
| Zinc | EPA 6020 | 8B11090 | 12 | 100 | 21 | 5 | 02/11/08 | 02/11/08 | RL1, J |

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

INORGANICS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|---------------|---------|-----------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: IRB0719-02 (Receiving Water A - Water) - cont. | | | | | | | | | |
| Reporting Units: g/l | | | | | | | | | |
| Salinity | EPA 120.1 | 8B15126 | N/A | 0.10 | 28 | 1 | 02/15/08 | 02/15/08 | |
| Sample ID: IRB0719-03 (Receiving Water B - Water) | | | | | | | | | |
| Reporting Units: g/l | | | | | | | | | |
| Salinity | EPA 120.1 | 8B15126 | N/A | 0.10 | 26 | 1 | 02/15/08 | 02/15/08 | |
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Hexane Extractable Material (Oil & Grease) | EPA 1664A | 8B15070 | 1.3 | 4.7 | 3.0 | 1 | 02/15/08 | 02/15/08 | J |
| Biochemical Oxygen Demand | EPA 405.1 | 8B08074 | 0.59 | 2.0 | 4.5 | 1 | 02/08/08 | 02/13/08 | |
| Total Cyanide | SM4500-CN-C,E | 8B08122 | 0.0022 | 0.0050 | ND | 1 | 02/08/08 | 02/08/08 | |
| Hardness (as CaCO3) | EPA 130.2 | 8B11104 | 4.0 | 4.0 | 140 | 1 | 02/11/08 | 02/11/08 | |
| Residual Chlorine | EPA 330.5 | 8B08057 | 0.10 | 0.10 | ND | 1 | 02/08/08 | 02/08/08 | HFT |
| Sulfide | EPA 376.2 | 8B08119 | 0.020 | 0.10 | 0.056 | 1 | 02/08/08 | 02/08/08 | J |
| Surfactants (MBAS) | EPA 425.1 | 8B07137 | 0.044 | 0.10 | 0.089 | 1 | 02/07/08 | 02/07/08 | J |
| Total Organic Carbon | EPA 415.1 | 8B14134 | 0.50 | 1.0 | 2.8 | 1 | 02/14/08 | 02/14/08 | |
| Total Suspended Solids | EPA 160.2 | 8B11126 | 10 | 10 | 33 | 1 | 02/11/08 | 02/11/08 | |
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Total Cyanide | SM4500-CN-C,E | 8B08122 | 0.0022 | 0.0050 | ND | 1 | 02/08/08 | 02/08/08 | |
| Hardness (as CaCO3) | EPA 130.2 | 8B11104 | 4.0 | 4.0 | 4000 | 1 | 02/11/08 | 02/11/08 | |
| Sample ID: IRB0719-03 (Receiving Water B - Water) | | | | | | | | | |
| Reporting Units: mg/l | | | | | | | | | |
| Ammonia-N (Distilled) | SM4500NH3-D | 8B18089 | 0.22 | 1.0 | 0.26 | 1 | 02/18/08 | 02/19/08 | J |
| Dissolved Oxygen | EPA 360.1 | 8B08058 | 1.0 | 1.0 | 5.6 | 1 | 02/08/08 | 02/08/08 | |
| Nitrate-N | EPA 300.0 | 8B07067 | 2.4 | 4.4 | ND | 40 | 02/07/08 | 02/07/08 | RL3 |
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: ml/l/hr | | | | | | | | | |
| Total Settleable Solids | EPA 160.5 | 8B08069 | 0.10 | 0.10 | 0.20 | 1 | 02/08/08 | 02/08/08 | |
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: NTU | | | | | | | | | |
| Turbidity | EPA 180.1 | 8B08070 | 0.040 | 1.0 | 29 | 1 | 02/08/08 | 02/08/08 | |
| Sample ID: IRB0719-01 (Outfall #23 LVW - Water) | | | | | | | | | |
| Reporting Units: pH Units | | | | | | | | | |
| pH | SM4500-H,B | 8B08068 | 0.100 | 0.100 | 8.16 | 1 | 02/08/08 | 02/08/08 | HFT |

TestAmerica Irvine

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Project Manager

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IRB0719 <Page 15 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

INORGANICS

| Analyte | Method | Batch | MDL Limit | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|------------|---------|--------------|--------------------|------------------|--------------------|-------------------|------------------|--------------------|
| Sample ID: IRB0719-02 (Receiving Water A - Water) | | | | | | | | | |
| Reporting Units: pH Units | | | | | | | | | |
| pH | SM4500-H,B | 8B08068 | 0.100 | 0.100 | 7.71 | 1 | 02/08/08 | 02/08/08 | HFT |
| Sample ID: IRB0719-03 (Receiving Water B - Water) | | | | | | | | | |
| Reporting Units: pH Units | | | | | | | | | |
| pH | SM4500-H,B | 8B08068 | 0.100 | 0.100 | 7.71 | 1 | 02/08/08 | 02/08/08 | HFT |

TestAmerica Irvine

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Project Manager

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IRB0719 <Page 16 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

SHORT HOLD TIME DETAIL REPORT

| | Hold Time (in days) | Date/Time Sampled | Date/Time Received | Date/Time Extracted | Date/Time Analyzed |
|--|------------------------|----------------------|-----------------------|------------------------|-----------------------|
| Sample ID: Outfall #23 LVW (IRB0719-01) - Water | | | | | |
| EPA 160.5 | 2 | 02/07/2008 12:30 | 02/07/2008 17:20 | 02/08/2008 10:55 | 02/08/2008 10:55 |
| EPA 180.1 | 2 | 02/07/2008 12:30 | 02/07/2008 17:20 | 02/08/2008 11:15 | 02/08/2008 11:15 |
| EPA 330.5 | 1 | 02/07/2008 12:30 | 02/07/2008 17:20 | 02/08/2008 09:38 | 02/08/2008 09:39 |
| EPA 405.1 | 2 | 02/07/2008 12:30 | 02/07/2008 17:20 | 02/08/2008 10:00 | 02/13/2008 09:00 |
| EPA 425.1 | 2 | 02/07/2008 12:30 | 02/07/2008 17:20 | 02/07/2008 19:14 | 02/07/2008 22:30 |
| SM4500-H,B | 0 | 02/07/2008 12:30 | 02/07/2008 17:20 | 02/08/2008 09:45 | 02/08/2008 09:45 |
| Sample ID: Receiving Water A (IRB0719-02) - Water | | | | | |
| SM4500-H,B | 0 | 02/07/2008 12:20 | 02/07/2008 17:20 | 02/08/2008 09:45 | 02/08/2008 09:45 |
| Sample ID: Receiving Water B (IRB0719-03) - Water | | | | | |
| EPA 300.0 | 2 | 02/07/2008 12:40 | 02/07/2008 17:20 | 02/07/2008 17:00 | 02/07/2008 21:14 |
| EPA 360.1 | 1 | 02/07/2008 12:40 | 02/07/2008 17:20 | 02/08/2008 09:00 | 02/08/2008 09:00 |
| SM4500-H,B | 0 | 02/07/2008 12:40 | 02/07/2008 17:20 | 02/08/2008 09:45 | 02/08/2008 09:45 |

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B14032 Extracted: 02/14/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/14/2008 (8B14032-BLK1) | | | | | | | | | | | |
| Acrolein | ND | 5.0 | 4.0 | ug/l | | | | | | | |
| Acrylonitrile | ND | 2.0 | 0.70 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 28.2 | | | ug/l | 25.0 | | 113 | 80-120 | | | |
| Surrogate: Toluene-d8 | 25.1 | | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.2 | | | ug/l | 25.0 | | 93 | 80-120 | | | |
| LCS Analyzed: 02/14/2008 (8B14032-BS1) | | | | | | | | | | | |
| Surrogate: Dibromofluoromethane | 27.8 | | | ug/l | 25.0 | | 111 | 80-120 | | | |
| Surrogate: Toluene-d8 | 25.0 | | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 26.3 | | | ug/l | 25.0 | | 105 | 80-120 | | | |
| Matrix Spike Analyzed: 02/15/2008 (8B14032-MS1) | | | | | | Source: IRB1090-05 | | | | | |
| Surrogate: Dibromofluoromethane | 30.3 | | | ug/l | 25.0 | | 121 | 80-120 | | | Z1 |
| Surrogate: Toluene-d8 | 24.2 | | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 27.5 | | | ug/l | 25.0 | | 110 | 80-120 | | | |
| Matrix Spike Dup Analyzed: 02/15/2008 (8B14032-MSD1) | | | | | | Source: IRB1090-05 | | | | | |
| Surrogate: Dibromofluoromethane | 29.3 | | | ug/l | 25.0 | | 117 | 80-120 | | | |
| Surrogate: Toluene-d8 | 24.8 | | | ug/l | 25.0 | | 99 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.3 | | | ug/l | 25.0 | | 101 | 80-120 | | | |
| <u>Batch: 8B14034 Extracted: 02/14/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/14/2008 (8B14034-BLK1) | | | | | | | | | | | |
| 2-Chloroethyl vinyl ether | ND | 5.0 | 1.8 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 21.8 | | | ug/l | 25.0 | | 87 | 80-120 | | | |
| Surrogate: Toluene-d8 | 23.2 | | | ug/l | 25.0 | | 93 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 21.8 | | | ug/l | 25.0 | | 87 | 80-120 | | | |

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 8B14034 Extracted: 02/14/08 | | | | | | | | | | | |
| LCS Analyzed: 02/14/2008 (8B14034-BS1) | | | | | | | | | | | |
| 2-Chloroethyl vinyl ether | 22.0 | 5.0 | 1.8 | ug/l | 25.0 | | 88 | 25-170 | | | |
| Surrogate: Dibromofluoromethane | 22.0 | | | ug/l | 25.0 | | 88 | 80-120 | | | |
| Surrogate: Toluene-d8 | 23.0 | | | ug/l | 25.0 | | 92 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.0 | | | ug/l | 25.0 | | 92 | 80-120 | | | |
| Matrix Spike Analyzed: 02/14/2008 (8B14034-MS1) | | | | | | Source: IRB1000-01 | | | | | |
| 2-Chloroethyl vinyl ether | ND | 5.0 | 1.8 | ug/l | 25.0 | ND | | 25-170 | | | M13 |
| Surrogate: Dibromofluoromethane | 21.9 | | | ug/l | 25.0 | | 87 | 80-120 | | | |
| Surrogate: Toluene-d8 | 22.7 | | | ug/l | 25.0 | | 91 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.0 | | | ug/l | 25.0 | | 92 | 80-120 | | | |
| Matrix Spike Dup Analyzed: 02/14/2008 (8B14034-MSD1) | | | | | | Source: IRB1000-01 | | | | | |
| 2-Chloroethyl vinyl ether | 2.99 | 5.0 | 1.8 | ug/l | 25.0 | ND | 12 | 25-170 | 25 | | M13, J |
| Surrogate: Dibromofluoromethane | 21.9 | | | ug/l | 25.0 | | 88 | 80-120 | | | |
| Surrogate: Toluene-d8 | 23.0 | | | ug/l | 25.0 | | 92 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.0 | | | ug/l | 25.0 | | 92 | 80-120 | | | |

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IRB0719 <Page 19 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| Blank Analyzed: 02/12/2008 (8B12016-BLK1) | | | | | | | | | | | |
| Benzene | ND | 0.50 | 0.28 | ug/l | | | | | | | |
| Bromobenzene | ND | 1.0 | 0.27 | ug/l | | | | | | | |
| Bromochloromethane | ND | 1.0 | 0.32 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 1.0 | 0.30 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | 0.40 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | 0.42 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 1.0 | 0.37 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 1.0 | 0.25 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 1.0 | 0.22 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | 0.28 | ug/l | | | | | | | |
| Chlorobenzene | ND | 1.0 | 0.36 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | 0.40 | ug/l | | | | | | | |
| Chloroform | ND | 1.0 | 0.33 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | 0.40 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 1.0 | 0.28 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 1.0 | 0.29 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 1.0 | 0.28 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 0.97 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | 0.40 | ug/l | | | | | | | |
| Dibromomethane | ND | 1.0 | 0.36 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1.0 | 0.32 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.0 | 0.35 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 1.0 | 0.37 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 2.0 | 0.26 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 1.0 | 0.27 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | 0.28 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 1.0 | 0.42 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 1.0 | 0.32 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 1.0 | 0.27 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 1.0 | 0.35 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 1.0 | 0.32 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | 0.34 | ug/l | | | | | | | |
| 1,1-Dichloropropene | ND | 1.0 | 0.28 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | 0.22 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | 0.32 | ug/l | | | | | | | |

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| Blank Analyzed: 02/12/2008 (8B12016-BLK1) | | | | | | | | | | | |
| Ethylbenzene | ND | 0.50 | 0.25 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | 0.38 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 1.0 | 0.25 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 1.0 | 0.28 | ug/l | | | | | | | |
| Methylene chloride | ND | 5.0 | 0.95 | ug/l | | | | | | | |
| Naphthalene | ND | 1.0 | 0.41 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 1.0 | 0.27 | ug/l | | | | | | | |
| Styrene | ND | 1.0 | 0.16 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 0.27 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 0.24 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 1.0 | 0.32 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | 0.36 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 0.30 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 0.48 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | 0.30 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | 0.30 | ug/l | | | | | | | |
| Trichloroethene | ND | 1.0 | 0.26 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 1.0 | 0.34 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | 0.40 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 0.23 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 0.26 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | 0.30 | ug/l | | | | | | | |
| o-Xylene | ND | 0.50 | 0.30 | ug/l | | | | | | | |
| m,p-Xylenes | ND | 1.0 | 0.60 | ug/l | | | | | | | |
| Di-isopropyl Ether (DIPE) | ND | 1.0 | 0.25 | ug/l | | | | | | | |
| Ethyl tert-Butyl Ether (ETBE) | ND | 1.0 | 0.28 | ug/l | | | | | | | |
| tert-Amyl Methyl Ether (TAME) | ND | 1.0 | 0.33 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 1.0 | 0.32 | ug/l | | | | | | | |
| tert-Butanol (TBA) | ND | 10 | 4.9 | ug/l | | | | | | | |
| Ethanol | ND | 150 | 100 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 25.2 | | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: Toluene-d8 | 24.4 | | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.9 | | | ug/l | 25.0 | | 104 | 80-120 | | | |

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IRB0719 <Page 21 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| LCS Analyzed: 02/12/2008 (8B12016-BS1) | | | | | | | | | | | |
| Benzene | 24.0 | 0.50 | 0.28 | ug/l | 25.0 | | 96 | 70-120 | | | |
| Bromobenzene | 25.4 | 1.0 | 0.27 | ug/l | 25.0 | | 102 | 75-120 | | | |
| Bromochloromethane | 26.5 | 1.0 | 0.32 | ug/l | 25.0 | | 106 | 70-130 | | | |
| Bromodichloromethane | 28.5 | 1.0 | 0.30 | ug/l | 25.0 | | 114 | 70-135 | | | |
| Bromoform | 21.9 | 1.0 | 0.40 | ug/l | 25.0 | | 87 | 55-130 | | | |
| Bromomethane | 25.0 | 1.0 | 0.42 | ug/l | 25.0 | | 100 | 65-140 | | | |
| n-Butylbenzene | 24.1 | 1.0 | 0.37 | ug/l | 25.0 | | 96 | 70-130 | | | |
| sec-Butylbenzene | 23.9 | 1.0 | 0.25 | ug/l | 25.0 | | 96 | 70-125 | | | |
| tert-Butylbenzene | 23.9 | 1.0 | 0.22 | ug/l | 25.0 | | 96 | 70-125 | | | |
| Carbon tetrachloride | 26.4 | 0.50 | 0.28 | ug/l | 25.0 | | 105 | 65-140 | | | |
| Chlorobenzene | 24.9 | 1.0 | 0.36 | ug/l | 25.0 | | 100 | 75-120 | | | |
| Chloroethane | 25.6 | 1.0 | 0.40 | ug/l | 25.0 | | 102 | 60-140 | | | |
| Chloroform | 25.1 | 1.0 | 0.33 | ug/l | 25.0 | | 100 | 70-130 | | | |
| Chloromethane | 22.5 | 1.0 | 0.40 | ug/l | 25.0 | | 90 | 50-140 | | | |
| 2-Chlorotoluene | 23.8 | 1.0 | 0.28 | ug/l | 25.0 | | 95 | 70-125 | | | |
| 4-Chlorotoluene | 24.9 | 1.0 | 0.29 | ug/l | 25.0 | | 100 | 75-125 | | | |
| Dibromochloromethane | 24.5 | 1.0 | 0.28 | ug/l | 25.0 | | 98 | 70-140 | | | |
| 1,2-Dibromo-3-chloropropane | 21.5 | 5.0 | 0.97 | ug/l | 25.0 | | 86 | 50-135 | | | |
| 1,2-Dibromoethane (EDB) | 25.1 | 1.0 | 0.40 | ug/l | 25.0 | | 101 | 75-125 | | | |
| Dibromomethane | 25.0 | 1.0 | 0.36 | ug/l | 25.0 | | 100 | 70-125 | | | |
| 1,2-Dichlorobenzene | 24.7 | 1.0 | 0.32 | ug/l | 25.0 | | 99 | 75-120 | | | |
| 1,3-Dichlorobenzene | 25.5 | 1.0 | 0.35 | ug/l | 25.0 | | 102 | 75-120 | | | |
| 1,4-Dichlorobenzene | 23.3 | 1.0 | 0.37 | ug/l | 25.0 | | 93 | 75-120 | | | |
| Dichlorodifluoromethane | 19.8 | 2.0 | 0.26 | ug/l | 25.0 | | 79 | 35-155 | | | |
| 1,1-Dichloroethane | 23.4 | 1.0 | 0.27 | ug/l | 25.0 | | 94 | 70-125 | | | |
| 1,2-Dichloroethane | 25.0 | 0.50 | 0.28 | ug/l | 25.0 | | 100 | 60-140 | | | |
| 1,1-Dichloroethene | 21.9 | 1.0 | 0.42 | ug/l | 25.0 | | 88 | 70-125 | | | |
| cis-1,2-Dichloroethene | 26.0 | 1.0 | 0.32 | ug/l | 25.0 | | 104 | 70-125 | | | |
| trans-1,2-Dichloroethene | 27.1 | 1.0 | 0.27 | ug/l | 25.0 | | 108 | 70-125 | | | |
| 1,2-Dichloropropane | 25.5 | 1.0 | 0.35 | ug/l | 25.0 | | 102 | 70-125 | | | |
| 1,3-Dichloropropane | 24.7 | 1.0 | 0.32 | ug/l | 25.0 | | 99 | 70-120 | | | |
| 2,2-Dichloropropane | 24.0 | 1.0 | 0.34 | ug/l | 25.0 | | 96 | 65-140 | | | |
| 1,1-Dichloropropene | 24.5 | 1.0 | 0.28 | ug/l | 25.0 | | 98 | 75-130 | | | |
| cis-1,3-Dichloropropene | 24.9 | 0.50 | 0.22 | ug/l | 25.0 | | 100 | 75-125 | | | |
| trans-1,3-Dichloropropene | 24.5 | 0.50 | 0.32 | ug/l | 25.0 | | 98 | 70-125 | | | |

TestAmerica Irvine

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| LCS Analyzed: 02/12/2008 (8B12016-BS1) | | | | | | | | | | | |
| Ethylbenzene | 24.0 | 0.50 | 0.25 | ug/l | 25.0 | | 96 | 75-125 | | | |
| Hexachlorobutadiene | 25.0 | 1.0 | 0.38 | ug/l | 25.0 | | 100 | 65-135 | | | |
| Isopropylbenzene | 25.8 | 1.0 | 0.25 | ug/l | 25.0 | | 103 | 75-130 | | | |
| p-Isopropyltoluene | 22.2 | 1.0 | 0.28 | ug/l | 25.0 | | 89 | 75-125 | | | |
| Methylene chloride | 25.0 | 5.0 | 0.95 | ug/l | 25.0 | | 100 | 55-130 | | | |
| Naphthalene | 26.1 | 1.0 | 0.41 | ug/l | 25.0 | | 104 | 55-135 | | | |
| n-Propylbenzene | 25.0 | 1.0 | 0.27 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Styrene | 25.7 | 1.0 | 0.16 | ug/l | 25.0 | | 103 | 75-130 | | | |
| 1,1,1,2-Tetrachloroethane | 26.5 | 1.0 | 0.27 | ug/l | 25.0 | | 106 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 25.7 | 1.0 | 0.24 | ug/l | 25.0 | | 103 | 55-130 | | | |
| Tetrachloroethene | 25.8 | 1.0 | 0.32 | ug/l | 25.0 | | 103 | 70-125 | | | |
| Toluene | 24.8 | 0.50 | 0.36 | ug/l | 25.0 | | 99 | 70-120 | | | |
| 1,2,3-Trichlorobenzene | 25.5 | 1.0 | 0.30 | ug/l | 25.0 | | 102 | 65-125 | | | |
| 1,2,4-Trichlorobenzene | 26.7 | 1.0 | 0.48 | ug/l | 25.0 | | 107 | 70-135 | | | |
| 1,1,1-Trichloroethane | 25.2 | 1.0 | 0.30 | ug/l | 25.0 | | 101 | 65-135 | | | |
| 1,1,2-Trichloroethane | 25.8 | 1.0 | 0.30 | ug/l | 25.0 | | 103 | 70-125 | | | |
| Trichloroethene | 24.7 | 1.0 | 0.26 | ug/l | 25.0 | | 99 | 70-125 | | | |
| Trichlorofluoromethane | 24.4 | 1.0 | 0.34 | ug/l | 25.0 | | 98 | 65-145 | | | |
| 1,2,3-Trichloropropane | 23.8 | 1.0 | 0.40 | ug/l | 25.0 | | 95 | 60-130 | | | |
| 1,2,4-Trimethylbenzene | 23.4 | 1.0 | 0.23 | ug/l | 25.0 | | 93 | 75-125 | | | |
| 1,3,5-Trimethylbenzene | 24.0 | 1.0 | 0.26 | ug/l | 25.0 | | 96 | 75-125 | | | |
| Vinyl chloride | 23.7 | 0.50 | 0.30 | ug/l | 25.0 | | 95 | 55-135 | | | |
| o-Xylene | 25.1 | 0.50 | 0.30 | ug/l | 25.0 | | 101 | 75-125 | | | |
| m,p-Xylenes | 48.0 | 1.0 | 0.60 | ug/l | 50.0 | | 96 | 75-125 | | | |
| Di-isopropyl Ether (DIPE) | 28.2 | 1.0 | 0.25 | ug/l | 25.0 | | 113 | 60-135 | | | |
| Ethyl tert-Butyl Ether (ETBE) | 27.0 | 1.0 | 0.28 | ug/l | 25.0 | | 108 | 65-135 | | | |
| tert-Amyl Methyl Ether (TAME) | 27.0 | 1.0 | 0.33 | ug/l | 25.0 | | 108 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 26.8 | 1.0 | 0.32 | ug/l | 25.0 | | 107 | 60-135 | | | |
| tert-Butanol (TBA) | 129 | 10 | 4.9 | ug/l | 125 | | 103 | 70-135 | | | |
| Ethanol | 247 | 150 | 100 | ug/l | 250 | | 99 | 40-155 | | | |
| Surrogate: Dibromofluoromethane | 27.0 | | | ug/l | 25.0 | | 108 | 80-120 | | | |
| Surrogate: Toluene-d8 | 24.3 | | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.5 | | | ug/l | 25.0 | | 102 | 80-120 | | | |

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Project Manager

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IRB0719 <Page 23 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| Matrix Spike Analyzed: 02/12/2008 (8B12016-MS1) | | | | | | Source: IRB0917-08 | | | | | |
| Benzene | 23.9 | 0.50 | 0.28 | ug/l | 25.0 | ND | 96 | 65-125 | | | |
| Bromobenzene | 24.7 | 1.0 | 0.27 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| Bromochloromethane | 25.5 | 1.0 | 0.32 | ug/l | 25.0 | ND | 102 | 65-135 | | | |
| Bromodichloromethane | 28.7 | 1.0 | 0.30 | ug/l | 25.0 | ND | 115 | 70-135 | | | |
| Bromoform | 21.7 | 1.0 | 0.40 | ug/l | 25.0 | ND | 87 | 55-135 | | | |
| Bromomethane | 24.6 | 1.0 | 0.42 | ug/l | 25.0 | ND | 98 | 55-145 | | | |
| n-Butylbenzene | 23.4 | 1.0 | 0.37 | ug/l | 25.0 | ND | 94 | 65-135 | | | |
| sec-Butylbenzene | 23.2 | 1.0 | 0.25 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| tert-Butylbenzene | 23.1 | 1.0 | 0.22 | ug/l | 25.0 | ND | 92 | 65-130 | | | |
| Carbon tetrachloride | 26.0 | 0.50 | 0.28 | ug/l | 25.0 | ND | 104 | 65-140 | | | |
| Chlorobenzene | 24.8 | 1.0 | 0.36 | ug/l | 25.0 | ND | 99 | 75-125 | | | |
| Chloroethane | 25.4 | 1.0 | 0.40 | ug/l | 25.0 | ND | 102 | 55-140 | | | |
| Chloroform | 24.5 | 1.0 | 0.33 | ug/l | 25.0 | ND | 98 | 65-135 | | | |
| Chloromethane | 22.6 | 1.0 | 0.40 | ug/l | 25.0 | ND | 90 | 45-145 | | | |
| 2-Chlorotoluene | 23.5 | 1.0 | 0.28 | ug/l | 25.0 | ND | 94 | 65-135 | | | |
| 4-Chlorotoluene | 24.4 | 1.0 | 0.29 | ug/l | 25.0 | ND | 97 | 70-135 | | | |
| Dibromochloromethane | 24.7 | 1.0 | 0.28 | ug/l | 25.0 | ND | 99 | 65-140 | | | |
| 1,2-Dibromo-3-chloropropane | 20.4 | 5.0 | 0.97 | ug/l | 25.0 | ND | 82 | 45-145 | | | |
| 1,2-Dibromoethane (EDB) | 24.8 | 1.0 | 0.40 | ug/l | 25.0 | ND | 99 | 70-130 | | | |
| Dibromomethane | 24.7 | 1.0 | 0.36 | ug/l | 25.0 | ND | 99 | 65-135 | | | |
| 1,2-Dichlorobenzene | 24.6 | 1.0 | 0.32 | ug/l | 25.0 | ND | 99 | 75-125 | | | |
| 1,3-Dichlorobenzene | 24.5 | 1.0 | 0.35 | ug/l | 25.0 | ND | 98 | 75-125 | | | |
| 1,4-Dichlorobenzene | 22.0 | 1.0 | 0.37 | ug/l | 25.0 | ND | 88 | 75-125 | | | |
| Dichlorodifluoromethane | 21.3 | 2.0 | 0.26 | ug/l | 25.0 | ND | 85 | 25-155 | | | |
| 1,1-Dichloroethane | 22.3 | 1.0 | 0.27 | ug/l | 25.0 | ND | 89 | 65-130 | | | |
| 1,2-Dichloroethane | 25.0 | 0.50 | 0.28 | ug/l | 25.0 | ND | 100 | 60-140 | | | |
| 1,1-Dichloroethene | 21.4 | 1.0 | 0.42 | ug/l | 25.0 | ND | 85 | 60-130 | | | |
| cis-1,2-Dichloroethene | 25.2 | 1.0 | 0.32 | ug/l | 25.0 | ND | 101 | 65-130 | | | |
| trans-1,2-Dichloroethene | 26.4 | 1.0 | 0.27 | ug/l | 25.0 | ND | 106 | 65-130 | | | |
| 1,2-Dichloropropane | 24.8 | 1.0 | 0.35 | ug/l | 25.0 | ND | 99 | 65-130 | | | |
| 1,3-Dichloropropane | 25.3 | 1.0 | 0.32 | ug/l | 25.0 | ND | 101 | 65-135 | | | |
| 2,2-Dichloropropane | 23.2 | 1.0 | 0.34 | ug/l | 25.0 | ND | 93 | 60-145 | | | |
| 1,1-Dichloropropene | 24.1 | 1.0 | 0.28 | ug/l | 25.0 | ND | 96 | 70-135 | | | |
| cis-1,3-Dichloropropene | 24.5 | 0.50 | 0.22 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| trans-1,3-Dichloropropene | 24.6 | 0.50 | 0.32 | ug/l | 25.0 | ND | 98 | 65-135 | | | |

TestAmerica Irvine

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Project Manager

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IRB0719 <Page 24 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| Matrix Spike Analyzed: 02/12/2008 (8B12016-MS1) | | | | | | Source: IRB0917-08 | | | | | |
| Ethylbenzene | 25.0 | 0.50 | 0.25 | ug/l | 25.0 | ND | 100 | 65-130 | | | |
| Hexachlorobutadiene | 23.6 | 1.0 | 0.38 | ug/l | 25.0 | ND | 94 | 60-135 | | | |
| Isopropylbenzene | 26.2 | 1.0 | 0.25 | ug/l | 25.0 | ND | 105 | 70-135 | | | |
| p-Isopropyltoluene | 21.9 | 1.0 | 0.28 | ug/l | 25.0 | ND | 88 | 65-130 | | | |
| Methylene chloride | 23.8 | 5.0 | 0.95 | ug/l | 25.0 | ND | 95 | 50-135 | | | |
| Naphthalene | 24.3 | 1.0 | 0.41 | ug/l | 25.0 | ND | 97 | 50-140 | | | |
| n-Propylbenzene | 23.8 | 1.0 | 0.27 | ug/l | 25.0 | ND | 95 | 70-135 | | | |
| Styrene | 25.6 | 1.0 | 0.16 | ug/l | 25.0 | ND | 102 | 50-145 | | | |
| 1,1,1,2-Tetrachloroethane | 27.2 | 1.0 | 0.27 | ug/l | 25.0 | ND | 109 | 65-140 | | | |
| 1,1,2,2-Tetrachloroethane | 24.9 | 1.0 | 0.24 | ug/l | 25.0 | ND | 99 | 55-135 | | | |
| Tetrachloroethene | 24.7 | 1.0 | 0.32 | ug/l | 25.0 | ND | 99 | 65-130 | | | |
| Toluene | 25.0 | 0.50 | 0.36 | ug/l | 25.0 | ND | 100 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 24.8 | 1.0 | 0.30 | ug/l | 25.0 | ND | 99 | 60-135 | | | |
| 1,2,4-Trichlorobenzene | 25.9 | 1.0 | 0.48 | ug/l | 25.0 | ND | 104 | 65-135 | | | |
| 1,1,1-Trichloroethane | 24.5 | 1.0 | 0.30 | ug/l | 25.0 | ND | 98 | 65-140 | | | |
| 1,1,2-Trichloroethane | 25.6 | 1.0 | 0.30 | ug/l | 25.0 | ND | 103 | 65-130 | | | |
| Trichloroethene | 25.1 | 1.0 | 0.26 | ug/l | 25.0 | ND | 100 | 65-125 | | | |
| Trichlorofluoromethane | 24.1 | 1.0 | 0.34 | ug/l | 25.0 | ND | 96 | 60-145 | | | |
| 1,2,3-Trichloropropane | 22.5 | 1.0 | 0.40 | ug/l | 25.0 | ND | 90 | 55-135 | | | |
| 1,2,4-Trimethylbenzene | 23.0 | 1.0 | 0.23 | ug/l | 25.0 | ND | 92 | 55-135 | | | |
| 1,3,5-Trimethylbenzene | 22.4 | 1.0 | 0.26 | ug/l | 25.0 | ND | 90 | 70-130 | | | |
| Vinyl chloride | 24.8 | 0.50 | 0.30 | ug/l | 25.0 | ND | 99 | 45-140 | | | |
| o-Xylene | 24.8 | 0.50 | 0.30 | ug/l | 25.0 | ND | 99 | 65-125 | | | |
| m,p-Xylenes | 50.6 | 1.0 | 0.60 | ug/l | 50.0 | ND | 101 | 65-130 | | | |
| Di-isopropyl Ether (DIPE) | 25.6 | 1.0 | 0.25 | ug/l | 25.0 | ND | 102 | 60-140 | | | |
| Ethyl tert-Butyl Ether (ETBE) | 25.0 | 1.0 | 0.28 | ug/l | 25.0 | ND | 100 | 60-135 | | | |
| tert-Amyl Methyl Ether (TAME) | 25.7 | 1.0 | 0.33 | ug/l | 25.0 | ND | 103 | 60-140 | | | |
| Methyl-tert-butyl Ether (MTBE) | 25.0 | 1.0 | 0.32 | ug/l | 25.0 | ND | 100 | 55-145 | | | |
| tert-Butanol (TBA) | 128 | 10 | 4.9 | ug/l | 125 | ND | 102 | 65-140 | | | |
| Ethanol | 243 | 150 | 100 | ug/l | 250 | ND | 97 | 40-155 | | | |
| Surrogate: Dibromofluoromethane | 26.2 | | | ug/l | 25.0 | | 105 | 80-120 | | | |
| Surrogate: Toluene-d8 | 25.2 | | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.5 | | | ug/l | 25.0 | | 102 | 80-120 | | | |

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Project Manager

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IRB0719 <Page 25 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 02/12/2008 (8B12016-MSD1) | | | | | | Source: IRB0917-08 | | | | | |
| Benzene | 22.6 | 0.50 | 0.28 | ug/l | 25.0 | ND | 90 | 65-125 | 6 | 20 | |
| Bromobenzene | 24.9 | 1.0 | 0.27 | ug/l | 25.0 | ND | 100 | 70-125 | 1 | 20 | |
| Bromochloromethane | 25.2 | 1.0 | 0.32 | ug/l | 25.0 | ND | 101 | 65-135 | 1 | 25 | |
| Bromodichloromethane | 27.4 | 1.0 | 0.30 | ug/l | 25.0 | ND | 109 | 70-135 | 5 | 20 | |
| Bromoform | 22.5 | 1.0 | 0.40 | ug/l | 25.0 | ND | 90 | 55-135 | 4 | 25 | |
| Bromomethane | 23.8 | 1.0 | 0.42 | ug/l | 25.0 | ND | 95 | 55-145 | 3 | 25 | |
| n-Butylbenzene | 24.6 | 1.0 | 0.37 | ug/l | 25.0 | ND | 98 | 65-135 | 5 | 20 | |
| sec-Butylbenzene | 23.9 | 1.0 | 0.25 | ug/l | 25.0 | ND | 96 | 70-125 | 3 | 20 | |
| tert-Butylbenzene | 23.0 | 1.0 | 0.22 | ug/l | 25.0 | ND | 92 | 65-130 | 0 | 20 | |
| Carbon tetrachloride | 25.2 | 0.50 | 0.28 | ug/l | 25.0 | ND | 101 | 65-140 | 3 | 25 | |
| Chlorobenzene | 24.8 | 1.0 | 0.36 | ug/l | 25.0 | ND | 99 | 75-125 | 0 | 20 | |
| Chloroethane | 24.3 | 1.0 | 0.40 | ug/l | 25.0 | ND | 97 | 55-140 | 5 | 25 | |
| Chloroform | 24.2 | 1.0 | 0.33 | ug/l | 25.0 | ND | 97 | 65-135 | 1 | 20 | |
| Chloromethane | 22.8 | 1.0 | 0.40 | ug/l | 25.0 | ND | 91 | 45-145 | 1 | 25 | |
| 2-Chlorotoluene | 23.8 | 1.0 | 0.28 | ug/l | 25.0 | ND | 95 | 65-135 | 1 | 20 | |
| 4-Chlorotoluene | 24.7 | 1.0 | 0.29 | ug/l | 25.0 | ND | 99 | 70-135 | 1 | 20 | |
| Dibromochloromethane | 24.7 | 1.0 | 0.28 | ug/l | 25.0 | ND | 99 | 65-140 | 0 | 25 | |
| 1,2-Dibromo-3-chloropropane | 22.2 | 5.0 | 0.97 | ug/l | 25.0 | ND | 89 | 45-145 | 9 | 30 | |
| 1,2-Dibromoethane (EDB) | 26.0 | 1.0 | 0.40 | ug/l | 25.0 | ND | 104 | 70-130 | 5 | 25 | |
| Dibromomethane | 24.6 | 1.0 | 0.36 | ug/l | 25.0 | ND | 99 | 65-135 | 0 | 25 | |
| 1,2-Dichlorobenzene | 24.8 | 1.0 | 0.32 | ug/l | 25.0 | ND | 99 | 75-125 | 1 | 20 | |
| 1,3-Dichlorobenzene | 24.3 | 1.0 | 0.35 | ug/l | 25.0 | ND | 97 | 75-125 | 1 | 20 | |
| 1,4-Dichlorobenzene | 22.0 | 1.0 | 0.37 | ug/l | 25.0 | ND | 88 | 75-125 | 0 | 20 | |
| Dichlorodifluoromethane | 20.6 | 2.0 | 0.26 | ug/l | 25.0 | ND | 82 | 25-155 | 3 | 30 | |
| 1,1-Dichloroethane | 22.1 | 1.0 | 0.27 | ug/l | 25.0 | ND | 89 | 65-130 | 1 | 20 | |
| 1,2-Dichloroethane | 24.6 | 0.50 | 0.28 | ug/l | 25.0 | ND | 98 | 60-140 | 2 | 20 | |
| 1,1-Dichloroethene | 21.1 | 1.0 | 0.42 | ug/l | 25.0 | ND | 84 | 60-130 | 1 | 20 | |
| cis-1,2-Dichloroethene | 25.6 | 1.0 | 0.32 | ug/l | 25.0 | ND | 102 | 65-130 | 1 | 20 | |
| trans-1,2-Dichloroethene | 25.3 | 1.0 | 0.27 | ug/l | 25.0 | ND | 101 | 65-130 | 4 | 20 | |
| 1,2-Dichloropropane | 24.6 | 1.0 | 0.35 | ug/l | 25.0 | ND | 98 | 65-130 | 1 | 20 | |
| 1,3-Dichloropropane | 25.6 | 1.0 | 0.32 | ug/l | 25.0 | ND | 102 | 65-135 | 1 | 25 | |
| 2,2-Dichloropropane | 23.2 | 1.0 | 0.34 | ug/l | 25.0 | ND | 93 | 60-145 | 0 | 25 | |
| 1,1-Dichloropropene | 23.5 | 1.0 | 0.28 | ug/l | 25.0 | ND | 94 | 70-135 | 3 | 20 | |
| cis-1,3-Dichloropropene | 23.3 | 0.50 | 0.22 | ug/l | 25.0 | ND | 93 | 70-130 | 5 | 20 | |
| trans-1,3-Dichloropropene | 24.3 | 0.50 | 0.32 | ug/l | 25.0 | ND | 97 | 65-135 | 1 | 25 | |

TestAmerica Irvine

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Project Manager

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IRB0719 <Page 26 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

VOLATILE ORGANICS with OXYGENATES by GC/MS (EPA 8260B)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B12016 Extracted: 02/12/08 | | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 02/12/2008 (8B12016-MSD1) | | | | | | Source: IRB0917-08 | | | | | |
| Ethylbenzene | 24.7 | 0.50 | 0.25 | ug/l | 25.0 | ND | 99 | 65-130 | 1 | 20 | |
| Hexachlorobutadiene | 24.3 | 1.0 | 0.38 | ug/l | 25.0 | ND | 97 | 60-135 | 3 | 20 | |
| Isopropylbenzene | 25.7 | 1.0 | 0.25 | ug/l | 25.0 | ND | 103 | 70-135 | 2 | 20 | |
| p-Isopropyltoluene | 23.5 | 1.0 | 0.28 | ug/l | 25.0 | ND | 94 | 65-130 | 7 | 20 | |
| Methylene chloride | 23.7 | 5.0 | 0.95 | ug/l | 25.0 | ND | 95 | 50-135 | 0 | 20 | |
| Naphthalene | 25.4 | 1.0 | 0.41 | ug/l | 25.0 | ND | 102 | 50-140 | 5 | 30 | |
| n-Propylbenzene | 25.0 | 1.0 | 0.27 | ug/l | 25.0 | ND | 100 | 70-135 | 5 | 20 | |
| Styrene | 25.7 | 1.0 | 0.16 | ug/l | 25.0 | ND | 103 | 50-145 | 1 | 30 | |
| 1,1,1,2-Tetrachloroethane | 26.6 | 1.0 | 0.27 | ug/l | 25.0 | ND | 106 | 65-140 | 2 | 20 | |
| 1,1,2,2-Tetrachloroethane | 26.2 | 1.0 | 0.24 | ug/l | 25.0 | ND | 105 | 55-135 | 5 | 30 | |
| Tetrachloroethene | 24.9 | 1.0 | 0.32 | ug/l | 25.0 | ND | 100 | 65-130 | 1 | 20 | |
| Toluene | 24.0 | 0.50 | 0.36 | ug/l | 25.0 | ND | 96 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 25.6 | 1.0 | 0.30 | ug/l | 25.0 | ND | 102 | 60-135 | 3 | 20 | |
| 1,2,4-Trichlorobenzene | 26.1 | 1.0 | 0.48 | ug/l | 25.0 | ND | 104 | 65-135 | 1 | 20 | |
| 1,1,1-Trichloroethane | 23.8 | 1.0 | 0.30 | ug/l | 25.0 | ND | 95 | 65-140 | 3 | 20 | |
| 1,1,2-Trichloroethane | 25.4 | 1.0 | 0.30 | ug/l | 25.0 | ND | 102 | 65-130 | 1 | 25 | |
| Trichloroethene | 23.9 | 1.0 | 0.26 | ug/l | 25.0 | ND | 96 | 65-125 | 5 | 20 | |
| Trichlorofluoromethane | 23.2 | 1.0 | 0.34 | ug/l | 25.0 | ND | 93 | 60-145 | 4 | 25 | |
| 1,2,3-Trichloropropane | 24.1 | 1.0 | 0.40 | ug/l | 25.0 | ND | 96 | 55-135 | 7 | 30 | |
| 1,2,4-Trimethylbenzene | 22.6 | 1.0 | 0.23 | ug/l | 25.0 | ND | 91 | 55-135 | 2 | 25 | |
| 1,3,5-Trimethylbenzene | 22.9 | 1.0 | 0.26 | ug/l | 25.0 | ND | 92 | 70-130 | 2 | 20 | |
| Vinyl chloride | 24.0 | 0.50 | 0.30 | ug/l | 25.0 | ND | 96 | 45-140 | 3 | 30 | |
| o-Xylene | 25.4 | 0.50 | 0.30 | ug/l | 25.0 | ND | 102 | 65-125 | 3 | 20 | |
| m,p-Xylenes | 49.8 | 1.0 | 0.60 | ug/l | 50.0 | ND | 100 | 65-130 | 2 | 25 | |
| Di-isopropyl Ether (DIPE) | 20.1 | 1.0 | 0.25 | ug/l | 25.0 | ND | 81 | 60-140 | 24 | 25 | |
| Ethyl tert-Butyl Ether (ETBE) | 25.7 | 1.0 | 0.28 | ug/l | 25.0 | ND | 103 | 60-135 | 3 | 25 | |
| tert-Amyl Methyl Ether (TAME) | 25.2 | 1.0 | 0.33 | ug/l | 25.0 | ND | 101 | 60-140 | 2 | 30 | |
| Methyl-tert-butyl Ether (MTBE) | 25.2 | 1.0 | 0.32 | ug/l | 25.0 | ND | 101 | 55-145 | 1 | 25 | |
| tert-Butanol (TBA) | 128 | 10 | 4.9 | ug/l | 125 | ND | 102 | 65-140 | 0 | 25 | |
| Ethanol | 243 | 150 | 100 | ug/l | 250 | ND | 97 | 40-155 | 0 | 30 | |
| Surrogate: Dibromofluoromethane | 26.3 | | | ug/l | 25.0 | | 105 | 80-120 | | | |
| Surrogate: Toluene-d8 | 24.3 | | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 26.4 | | | ug/l | 25.0 | | 105 | 80-120 | | | |

TestAmerica Irvine

Patty Mata
Project Manager

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IRB0719 <Page 27 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B10027 Extracted: 02/10/08 | | | | | | | | | | | |
| Blank Analyzed: 02/12/2008 (8B10027-BLK1) | | | | | | | | | | | |
| Acenaphthene | ND | 10 | 3.0 | ug/l | | | | | | | |
| Acenaphthylene | ND | 10 | 3.0 | ug/l | | | | | | | |
| Aniline | ND | 10 | 2.5 | ug/l | | | | | | | |
| Anthracene | ND | 10 | 2.0 | ug/l | | | | | | | |
| Benzidine | ND | 20 | 8.5 | ug/l | | | | | | | |
| Benzoic acid | ND | 20 | 10 | ug/l | | | | | | | |
| Benzo(a)anthracene | ND | 10 | 2.0 | ug/l | | | | | | | |
| Benzo(b)fluoranthene | ND | 10 | 2.0 | ug/l | | | | | | | |
| Benzo(k)fluoranthene | ND | 10 | 2.5 | ug/l | | | | | | | |
| Benzo(g,h,i)perylene | ND | 10 | 4.0 | ug/l | | | | | | | |
| Benzo(a)pyrene | ND | 10 | 2.0 | ug/l | | | | | | | |
| Benzyl alcohol | ND | 20 | 2.5 | ug/l | | | | | | | |
| Bis(2-chloroethoxy)methane | ND | 10 | 3.0 | ug/l | | | | | | | |
| Bis(2-chloroethyl)ether | ND | 10 | 3.0 | ug/l | | | | | | | |
| Bis(2-chloroisopropyl)ether | ND | 10 | 2.5 | ug/l | | | | | | | |
| Bis(2-ethylhexyl)phthalate | ND | 50 | 4.0 | ug/l | | | | | | | |
| 4-Bromophenyl phenyl ether | ND | 10 | 3.0 | ug/l | | | | | | | |
| Butyl benzyl phthalate | ND | 20 | 4.0 | ug/l | | | | | | | |
| 4-Chloroaniline | ND | 10 | 2.0 | ug/l | | | | | | | |
| 2-Chloronaphthalene | ND | 10 | 3.0 | ug/l | | | | | | | |
| 4-Chloro-3-methylphenol | ND | 20 | 2.5 | ug/l | | | | | | | |
| 2-Chlorophenol | ND | 10 | 3.0 | ug/l | | | | | | | |
| 4-Chlorophenyl phenyl ether | ND | 10 | 2.5 | ug/l | | | | | | | |
| Chrysene | ND | 10 | 2.5 | ug/l | | | | | | | |
| Dibenz(a,h)anthracene | ND | 20 | 3.0 | ug/l | | | | | | | |
| Dibenzofuran | ND | 10 | 4.0 | ug/l | | | | | | | |
| Di-n-butyl phthalate | ND | 20 | 3.0 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 10 | 3.0 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 10 | 2.5 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 10 | 3.0 | ug/l | | | | | | | |
| 3,3-Dichlorobenzidine | ND | 20 | 3.0 | ug/l | | | | | | | |
| 2,4-Dichlorophenol | ND | 10 | 3.5 | ug/l | | | | | | | |
| Diethyl phthalate | ND | 10 | 3.5 | ug/l | | | | | | | |
| 2,4-Dimethylphenol | ND | 20 | 3.5 | ug/l | | | | | | | |
| Dimethyl phthalate | ND | 10 | 2.0 | ug/l | | | | | | | |

TestAmerica Irvine

Patty Mata
Project Manager

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IRB0719 <Page 28 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B10027 Extracted: 02/10/08 | | | | | | | | | | | |
| Blank Analyzed: 02/12/2008 (8B10027-BLK1) | | | | | | | | | | | |
| 4,6-Dinitro-2-methylphenol | ND | 20 | 4.0 | ug/l | | | | | | | |
| 2,4-Dinitrophenol | ND | 20 | 8.0 | ug/l | | | | | | | |
| 2,4-Dinitrotoluene | ND | 10 | 3.5 | ug/l | | | | | | | |
| 2,6-Dinitrotoluene | ND | 10 | 2.0 | ug/l | | | | | | | |
| Di-n-octyl phthalate | ND | 20 | 3.5 | ug/l | | | | | | | |
| Fluoranthene | ND | 10 | 3.0 | ug/l | | | | | | | |
| Fluorene | ND | 10 | 3.0 | ug/l | | | | | | | |
| Hexachlorobenzene | ND | 10 | 3.0 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 10 | 4.0 | ug/l | | | | | | | |
| Hexachlorocyclopentadiene | ND | 20 | 5.0 | ug/l | | | | | | | |
| Hexachloroethane | ND | 10 | 3.5 | ug/l | | | | | | | |
| Indeno(1,2,3-cd)pyrene | ND | 20 | 3.5 | ug/l | | | | | | | |
| Isophorone | ND | 10 | 2.5 | ug/l | | | | | | | |
| 2-Methylnaphthalene | ND | 10 | 2.0 | ug/l | | | | | | | |
| 2-Methylphenol | ND | 10 | 3.0 | ug/l | | | | | | | |
| 4-Methylphenol | ND | 10 | 3.0 | ug/l | | | | | | | |
| Naphthalene | ND | 10 | 3.0 | ug/l | | | | | | | |
| 2-Nitroaniline | ND | 20 | 2.0 | ug/l | | | | | | | |
| 3-Nitroaniline | ND | 20 | 3.0 | ug/l | | | | | | | |
| 4-Nitroaniline | ND | 20 | 4.0 | ug/l | | | | | | | |
| Nitrobenzene | ND | 20 | 2.5 | ug/l | | | | | | | |
| 2-Nitrophenol | ND | 10 | 3.5 | ug/l | | | | | | | |
| 4-Nitrophenol | ND | 20 | 5.5 | ug/l | | | | | | | |
| N-Nitrosodiphenylamine | ND | 10 | 2.0 | ug/l | | | | | | | |
| N-Nitroso-di-n-propylamine | ND | 10 | 3.5 | ug/l | | | | | | | |
| Pentachlorophenol | ND | 20 | 3.5 | ug/l | | | | | | | |
| Phenanthrene | ND | 10 | 3.5 | ug/l | | | | | | | |
| Phenol | ND | 10 | 2.0 | ug/l | | | | | | | |
| Pyrene | ND | 10 | 4.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 10 | 2.5 | ug/l | | | | | | | |
| 2,4,5-Trichlorophenol | ND | 20 | 3.0 | ug/l | | | | | | | |
| 2,4,6-Trichlorophenol | ND | 20 | 4.5 | ug/l | | | | | | | |
| N-Nitrosodimethylamine | ND | 20 | 2.5 | ug/l | | | | | | | |
| 1,2-Diphenylhydrazine/Azobenzene | ND | 20 | 2.5 | ug/l | | | | | | | |
| Surrogate: 2-Fluorophenol | 139 | | | ug/l | 200 | | 69 | 30-120 | | | |

TestAmerica Irvine

Patty Mata
Project Manager

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IRB0719 <Page 29 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 8B10027 Extracted: 02/10/08 | | | | | | | | | | | |
| Blank Analyzed: 02/12/2008 (8B10027-BLK1) | | | | | | | | | | | |
| Surrogate: Phenol-d6 | 157 | | | ug/l | 200 | | 79 | 35-120 | | | |
| Surrogate: 2,4,6-Tribromophenol | 137 | | | ug/l | 200 | | 69 | 40-120 | | | |
| Surrogate: Nitrobenzene-d5 | 79.3 | | | ug/l | 100 | | 79 | 45-120 | | | |
| Surrogate: 2-Fluorobiphenyl | 85.9 | | | ug/l | 100 | | 86 | 50-120 | | | |
| Surrogate: Terphenyl-d14 | 89.2 | | | ug/l | 100 | | 89 | 50-125 | | | |
| LCS Analyzed: 02/12/2008 (8B10027-BS1) | | | | | | | | | | | |
| Acenaphthene | 93.9 | 10 | 3.0 | ug/l | 100 | | 94 | 60-120 | | | MNR1 |
| Acenaphthylene | 102 | 10 | 3.0 | ug/l | 100 | | 102 | 60-120 | | | |
| Aniline | 80.7 | 10 | 2.5 | ug/l | 100 | | 81 | 35-120 | | | |
| Anthracene | 90.5 | 10 | 2.0 | ug/l | 100 | | 91 | 65-120 | | | |
| Benzidine | 117 | 20 | 8.5 | ug/l | 100 | | 117 | 30-160 | | | |
| Benzoic acid | 59.1 | 20 | 10 | ug/l | 100 | | 59 | 25-120 | | | |
| Benzo(a)anthracene | 93.1 | 10 | 2.0 | ug/l | 100 | | 93 | 65-120 | | | |
| Benzo(b)fluoranthene | 84.7 | 10 | 2.0 | ug/l | 100 | | 85 | 55-125 | | | |
| Benzo(k)fluoranthene | 84.1 | 10 | 2.5 | ug/l | 100 | | 84 | 50-125 | | | |
| Benzo(g,h,i)perylene | 92.4 | 10 | 4.0 | ug/l | 100 | | 92 | 45-135 | | | |
| Benzo(a)pyrene | 91.5 | 10 | 2.0 | ug/l | 100 | | 92 | 55-130 | | | |
| Benzyl alcohol | 86.3 | 20 | 2.5 | ug/l | 100 | | 86 | 50-120 | | | |
| Bis(2-chloroethoxy)methane | 84.8 | 10 | 3.0 | ug/l | 100 | | 85 | 55-120 | | | |
| Bis(2-chloroethyl)ether | 79.8 | 10 | 3.0 | ug/l | 100 | | 80 | 50-120 | | | |
| Bis(2-chloroisopropyl)ether | 85.1 | 10 | 2.5 | ug/l | 100 | | 85 | 45-120 | | | |
| Bis(2-ethylhexyl)phthalate | 95.4 | 50 | 4.0 | ug/l | 100 | | 95 | 65-130 | | | |
| 4-Bromophenyl phenyl ether | 84.4 | 10 | 3.0 | ug/l | 100 | | 84 | 60-120 | | | |
| Butyl benzyl phthalate | 91.8 | 20 | 4.0 | ug/l | 100 | | 92 | 55-130 | | | |
| 4-Chloroaniline | 84.5 | 10 | 2.0 | ug/l | 100 | | 85 | 55-120 | | | |
| 2-Chloronaphthalene | 90.1 | 10 | 3.0 | ug/l | 100 | | 90 | 60-120 | | | |
| 4-Chloro-3-methylphenol | 83.9 | 20 | 2.5 | ug/l | 100 | | 84 | 60-120 | | | |
| 2-Chlorophenol | 73.0 | 10 | 3.0 | ug/l | 100 | | 73 | 45-120 | | | |
| 4-Chlorophenyl phenyl ether | 88.3 | 10 | 2.5 | ug/l | 100 | | 88 | 65-120 | | | |
| Chrysene | 90.5 | 10 | 2.5 | ug/l | 100 | | 90 | 65-120 | | | |
| Dibenz(a,h)anthracene | 93.5 | 20 | 3.0 | ug/l | 100 | | 94 | 50-135 | | | |
| Dibenzofuran | 90.0 | 10 | 4.0 | ug/l | 100 | | 90 | 65-120 | | | |
| Di-n-butyl phthalate | 96.8 | 20 | 3.0 | ug/l | 100 | | 97 | 60-125 | | | |
| 1,3-Dichlorobenzene | 62.5 | 10 | 3.0 | ug/l | 100 | | 62 | 35-120 | | | |
| 1,4-Dichlorobenzene | 64.3 | 10 | 2.5 | ug/l | 100 | | 64 | 35-120 | | | |

TestAmerica Irvine

Patty Mata
Project Manager

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-----|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 8B10027 Extracted: 02/10/08 | | | | | | | | | | | |
| LCS Analyzed: 02/12/2008 (8B10027-BS1) | | | | | | | | | | | MNR1 |
| 1,2-Dichlorobenzene | 68.3 | 10 | 3.0 | ug/l | 100 | | 68 | 40-120 | | | |
| 3,3-Dichlorobenzidine | 91.4 | 20 | 3.0 | ug/l | 100 | | 91 | 45-135 | | | |
| 2,4-Dichlorophenol | 81.5 | 10 | 3.5 | ug/l | 100 | | 82 | 55-120 | | | |
| Diethyl phthalate | 92.0 | 10 | 3.5 | ug/l | 100 | | 92 | 55-120 | | | |
| 2,4-Dimethylphenol | 76.6 | 20 | 3.5 | ug/l | 100 | | 77 | 40-120 | | | |
| Dimethyl phthalate | 89.4 | 10 | 2.0 | ug/l | 100 | | 89 | 30-120 | | | |
| 4,6-Dinitro-2-methylphenol | 82.7 | 20 | 4.0 | ug/l | 100 | | 83 | 45-120 | | | |
| 2,4-Dinitrophenol | 76.1 | 20 | 8.0 | ug/l | 100 | | 76 | 40-120 | | | |
| 2,4-Dinitrotoluene | 101 | 10 | 3.5 | ug/l | 100 | | 101 | 65-120 | | | |
| 2,6-Dinitrotoluene | 92.3 | 10 | 2.0 | ug/l | 100 | | 92 | 65-120 | | | |
| Di-n-octyl phthalate | 91.6 | 20 | 3.5 | ug/l | 100 | | 92 | 65-135 | | | |
| Fluoranthene | 103 | 10 | 3.0 | ug/l | 100 | | 103 | 60-120 | | | |
| Fluorene | 93.4 | 10 | 3.0 | ug/l | 100 | | 93 | 65-120 | | | |
| Hexachlorobenzene | 83.4 | 10 | 3.0 | ug/l | 100 | | 83 | 60-120 | | | |
| Hexachlorobutadiene | 66.7 | 10 | 4.0 | ug/l | 100 | | 67 | 40-120 | | | |
| Hexachlorocyclopentadiene | 80.7 | 20 | 5.0 | ug/l | 100 | | 81 | 25-120 | | | |
| Hexachloroethane | 56.5 | 10 | 3.5 | ug/l | 100 | | 56 | 35-120 | | | |
| Indeno(1,2,3-cd)pyrene | 91.6 | 20 | 3.5 | ug/l | 100 | | 92 | 45-135 | | | |
| Isophorone | 82.9 | 10 | 2.5 | ug/l | 100 | | 83 | 50-120 | | | |
| 2-Methylnaphthalene | 83.1 | 10 | 2.0 | ug/l | 100 | | 83 | 55-120 | | | |
| 2-Methylphenol | 76.5 | 10 | 3.0 | ug/l | 100 | | 76 | 50-120 | | | |
| 4-Methylphenol | 77.7 | 10 | 3.0 | ug/l | 100 | | 78 | 50-120 | | | |
| Naphthalene | 83.7 | 10 | 3.0 | ug/l | 100 | | 84 | 55-120 | | | |
| 2-Nitroaniline | 98.9 | 20 | 2.0 | ug/l | 100 | | 99 | 65-120 | | | |
| 3-Nitroaniline | 99.1 | 20 | 3.0 | ug/l | 100 | | 99 | 60-120 | | | |
| 4-Nitroaniline | 99.9 | 20 | 4.0 | ug/l | 100 | | 100 | 55-125 | | | |
| Nitrobenzene | 84.1 | 20 | 2.5 | ug/l | 100 | | 84 | 55-120 | | | |
| 2-Nitrophenol | 81.4 | 10 | 3.5 | ug/l | 100 | | 81 | 50-120 | | | |
| 4-Nitrophenol | 86.2 | 20 | 5.5 | ug/l | 100 | | 86 | 45-120 | | | |
| N-Nitrosodiphenylamine | 87.7 | 10 | 2.0 | ug/l | 100 | | 88 | 60-120 | | | |
| N-Nitroso-di-n-propylamine | 81.1 | 10 | 3.5 | ug/l | 100 | | 81 | 45-120 | | | |
| Pentachlorophenol | 81.8 | 20 | 3.5 | ug/l | 100 | | 82 | 50-120 | | | |
| Phenanthrene | 89.4 | 10 | 3.5 | ug/l | 100 | | 89 | 65-120 | | | |
| Phenol | 72.2 | 10 | 2.0 | ug/l | 100 | | 72 | 40-120 | | | |
| Pyrene | 81.1 | 10 | 4.0 | ug/l | 100 | | 81 | 55-125 | | | |

TestAmerica Irvine

Patty Mata
Project Manager

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IRB0719 <Page 31 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B10027 Extracted: 02/10/08 | | | | | | | | | | | |
| LCS Analyzed: 02/12/2008 (8B10027-BS1) | | | | | | | | | | | MNR1 |
| 1,2,4-Trichlorobenzene | 75.0 | 10 | 2.5 | ug/l | 100 | | 75 | 45-120 | | | |
| 2,4,5-Trichlorophenol | 88.2 | 20 | 3.0 | ug/l | 100 | | 88 | 55-120 | | | |
| 2,4,6-Trichlorophenol | 88.9 | 20 | 4.5 | ug/l | 100 | | 89 | 55-120 | | | |
| N-Nitrosodimethylamine | 81.6 | 20 | 2.5 | ug/l | 100 | | 82 | 45-120 | | | |
| 1,2-Diphenylhydrazine/Azobenzene | 90.4 | 20 | 2.5 | ug/l | 100 | | 90 | 60-120 | | | |
| Surrogate: 2-Fluorophenol | 133 | | | ug/l | 200 | | 67 | 30-120 | | | |
| Surrogate: Phenol-d6 | 141 | | | ug/l | 200 | | 71 | 35-120 | | | |
| Surrogate: 2,4,6-Tribromophenol | 140 | | | ug/l | 200 | | 70 | 40-120 | | | |
| Surrogate: Nitrobenzene-d5 | 81.0 | | | ug/l | 100 | | 81 | 45-120 | | | |
| Surrogate: 2-Fluorobiphenyl | 83.9 | | | ug/l | 100 | | 84 | 50-120 | | | |
| Surrogate: Terphenyl-d14 | 79.3 | | | ug/l | 100 | | 79 | 50-125 | | | |
| LCS Dup Analyzed: 02/12/2008 (8B10027-BSD1) | | | | | | | | | | | |
| Acenaphthene | 104 | 10 | 3.0 | ug/l | 100 | | 104 | 60-120 | 10 | 20 | |
| Acenaphthylene | 111 | 10 | 3.0 | ug/l | 100 | | 111 | 60-120 | 8 | 20 | |
| Aniline | 89.4 | 10 | 2.5 | ug/l | 100 | | 89 | 35-120 | 10 | 30 | |
| Anthracene | 99.9 | 10 | 2.0 | ug/l | 100 | | 100 | 65-120 | 10 | 20 | |
| Benzidine | 134 | 20 | 8.5 | ug/l | 100 | | 134 | 30-160 | 14 | 35 | |
| Benzoic acid | 62.9 | 20 | 10 | ug/l | 100 | | 63 | 25-120 | 6 | 30 | |
| Benzo(a)anthracene | 105 | 10 | 2.0 | ug/l | 100 | | 105 | 65-120 | 12 | 20 | |
| Benzo(b)fluoranthene | 96.9 | 10 | 2.0 | ug/l | 100 | | 97 | 55-125 | 13 | 25 | |
| Benzo(k)fluoranthene | 98.2 | 10 | 2.5 | ug/l | 100 | | 98 | 50-125 | 15 | 20 | |
| Benzo(g,h,i)perylene | 110 | 10 | 4.0 | ug/l | 100 | | 110 | 45-135 | 17 | 25 | |
| Benzo(a)pyrene | 105 | 10 | 2.0 | ug/l | 100 | | 105 | 55-130 | 13 | 25 | |
| Benzyl alcohol | 103 | 20 | 2.5 | ug/l | 100 | | 103 | 50-120 | 18 | 20 | |
| Bis(2-chloroethoxy)methane | 95.3 | 10 | 3.0 | ug/l | 100 | | 95 | 55-120 | 12 | 20 | |
| Bis(2-chloroethyl)ether | 83.9 | 10 | 3.0 | ug/l | 100 | | 84 | 50-120 | 5 | 20 | |
| Bis(2-chloroisopropyl)ether | 94.8 | 10 | 2.5 | ug/l | 100 | | 95 | 45-120 | 11 | 20 | |
| Bis(2-ethylhexyl)phthalate | 114 | 50 | 4.0 | ug/l | 100 | | 114 | 65-130 | 18 | 20 | |
| 4-Bromophenyl phenyl ether | 94.8 | 10 | 3.0 | ug/l | 100 | | 95 | 60-120 | 12 | 25 | |
| Butyl benzyl phthalate | 113 | 20 | 4.0 | ug/l | 100 | | 113 | 55-130 | 20 | 20 | |
| 4-Chloroaniline | 98.4 | 10 | 2.0 | ug/l | 100 | | 98 | 55-120 | 15 | 25 | |
| 2-Chloronaphthalene | 98.9 | 10 | 3.0 | ug/l | 100 | | 99 | 60-120 | 9 | 20 | |
| 4-Chloro-3-methylphenol | 100 | 20 | 2.5 | ug/l | 100 | | 100 | 60-120 | 18 | 25 | |
| 2-Chlorophenol | 80.5 | 10 | 3.0 | ug/l | 100 | | 80 | 45-120 | 10 | 25 | |
| 4-Chlorophenyl phenyl ether | 99.7 | 10 | 2.5 | ug/l | 100 | | 100 | 65-120 | 12 | 20 | |

TestAmerica Irvine

Patty Mata
Project Manager

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B10027 Extracted: 02/10/08 | | | | | | | | | | | |
| LCS Dup Analyzed: 02/12/2008 (8B10027-BSD1) | | | | | | | | | | | |
| Chrysene | 102 | 10 | 2.5 | ug/l | 100 | | 102 | 65-120 | 12 | 20 | |
| Dibenz(a,h)anthracene | 110 | 20 | 3.0 | ug/l | 100 | | 110 | 50-135 | 16 | 25 | |
| Dibenzofuran | 103 | 10 | 4.0 | ug/l | 100 | | 103 | 65-120 | 13 | 20 | |
| Di-n-butyl phthalate | 101 | 20 | 3.0 | ug/l | 100 | | 101 | 60-125 | 4 | 20 | |
| 1,3-Dichlorobenzene | 75.3 | 10 | 3.0 | ug/l | 100 | | 75 | 35-120 | 19 | 25 | |
| 1,4-Dichlorobenzene | 76.8 | 10 | 2.5 | ug/l | 100 | | 77 | 35-120 | 18 | 25 | |
| 1,2-Dichlorobenzene | 81.0 | 10 | 3.0 | ug/l | 100 | | 81 | 40-120 | 17 | 25 | |
| 3,3-Dichlorobenzidine | 102 | 20 | 3.0 | ug/l | 100 | | 102 | 45-135 | 11 | 25 | |
| 2,4-Dichlorophenol | 94.0 | 10 | 3.5 | ug/l | 100 | | 94 | 55-120 | 14 | 20 | |
| Diethyl phthalate | 105 | 10 | 3.5 | ug/l | 100 | | 105 | 55-120 | 13 | 30 | |
| 2,4-Dimethylphenol | 84.7 | 20 | 3.5 | ug/l | 100 | | 85 | 40-120 | 10 | 25 | |
| Dimethyl phthalate | 101 | 10 | 2.0 | ug/l | 100 | | 101 | 30-120 | 12 | 30 | |
| 4,6-Dinitro-2-methylphenol | 91.1 | 20 | 4.0 | ug/l | 100 | | 91 | 45-120 | 10 | 25 | |
| 2,4-Dinitrophenol | 86.1 | 20 | 8.0 | ug/l | 100 | | 86 | 40-120 | 12 | 25 | |
| 2,4-Dinitrotoluene | 116 | 10 | 3.5 | ug/l | 100 | | 116 | 65-120 | 14 | 20 | |
| 2,6-Dinitrotoluene | 109 | 10 | 2.0 | ug/l | 100 | | 109 | 65-120 | 16 | 20 | |
| Di-n-octyl phthalate | 96.9 | 20 | 3.5 | ug/l | 100 | | 97 | 65-135 | 6 | 20 | |
| Fluoranthene | 99.3 | 10 | 3.0 | ug/l | 100 | | 99 | 60-120 | 4 | 20 | |
| Fluorene | 106 | 10 | 3.0 | ug/l | 100 | | 106 | 65-120 | 13 | 20 | |
| Hexachlorobenzene | 93.0 | 10 | 3.0 | ug/l | 100 | | 93 | 60-120 | 11 | 20 | |
| Hexachlorobutadiene | 79.0 | 10 | 4.0 | ug/l | 100 | | 79 | 40-120 | 17 | 25 | |
| Hexachlorocyclopentadiene | 87.7 | 20 | 5.0 | ug/l | 100 | | 88 | 25-120 | 8 | 30 | |
| Hexachloroethane | 71.2 | 10 | 3.5 | ug/l | 100 | | 71 | 35-120 | 23 | 25 | |
| Indeno(1,2,3-cd)pyrene | 105 | 20 | 3.5 | ug/l | 100 | | 105 | 45-135 | 14 | 25 | |
| Isophorone | 94.6 | 10 | 2.5 | ug/l | 100 | | 95 | 50-120 | 13 | 20 | |
| 2-Methylnaphthalene | 96.6 | 10 | 2.0 | ug/l | 100 | | 97 | 55-120 | 15 | 20 | |
| 2-Methylphenol | 89.0 | 10 | 3.0 | ug/l | 100 | | 89 | 50-120 | 15 | 20 | |
| 4-Methylphenol | 91.7 | 10 | 3.0 | ug/l | 100 | | 92 | 50-120 | 16 | 20 | |
| Naphthalene | 95.5 | 10 | 3.0 | ug/l | 100 | | 95 | 55-120 | 13 | 20 | |
| 2-Nitroaniline | 112 | 20 | 2.0 | ug/l | 100 | | 112 | 65-120 | 12 | 20 | |
| 3-Nitroaniline | 114 | 20 | 3.0 | ug/l | 100 | | 114 | 60-120 | 14 | 25 | |
| 4-Nitroaniline | 113 | 20 | 4.0 | ug/l | 100 | | 113 | 55-125 | 13 | 20 | |
| Nitrobenzene | 92.9 | 20 | 2.5 | ug/l | 100 | | 93 | 55-120 | 10 | 25 | |
| 2-Nitrophenol | 93.0 | 10 | 3.5 | ug/l | 100 | | 93 | 50-120 | 13 | 25 | |
| 4-Nitrophenol | 100 | 20 | 5.5 | ug/l | 100 | | 100 | 45-120 | 15 | 30 | |

TestAmerica Irvine

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Project Manager

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IRB0719 <Page 33 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-----|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B10027 Extracted: 02/10/08 | | | | | | | | | | | |
| LCS Dup Analyzed: 02/12/2008 (8B10027-BSD1) | | | | | | | | | | | |
| N-Nitrosodiphenylamine | 98.2 | 10 | 2.0 | ug/l | 100 | | 98 | 60-120 | 11 | 20 | |
| N-Nitroso-di-n-propylamine | 93.9 | 10 | 3.5 | ug/l | 100 | | 94 | 45-120 | 15 | 20 | |
| Pentachlorophenol | 93.8 | 20 | 3.5 | ug/l | 100 | | 94 | 50-120 | 14 | 25 | |
| Phenanthrene | 98.9 | 10 | 3.5 | ug/l | 100 | | 99 | 65-120 | 10 | 20 | |
| Phenol | 80.8 | 10 | 2.0 | ug/l | 100 | | 81 | 40-120 | 11 | 25 | |
| Pyrene | 110 | 10 | 4.0 | ug/l | 100 | | 110 | 55-125 | 31 | 25 | R-7 |
| 1,2,4-Trichlorobenzene | 85.4 | 10 | 2.5 | ug/l | 100 | | 85 | 45-120 | 13 | 20 | |
| 2,4,5-Trichlorophenol | 101 | 20 | 3.0 | ug/l | 100 | | 101 | 55-120 | 14 | 30 | |
| 2,4,6-Trichlorophenol | 101 | 20 | 4.5 | ug/l | 100 | | 101 | 55-120 | 13 | 30 | |
| N-Nitrosodimethylamine | 86.4 | 20 | 2.5 | ug/l | 100 | | 86 | 45-120 | 6 | 20 | |
| 1,2-Diphenylhydrazine/Azobenzene | 103 | 20 | 2.5 | ug/l | 100 | | 103 | 60-120 | 13 | 25 | |
| Surrogate: 2-Fluorophenol | 142 | | | ug/l | 200 | | 71 | 30-120 | | | |
| Surrogate: Phenol-d6 | 158 | | | ug/l | 200 | | 79 | 35-120 | | | |
| Surrogate: 2,4,6-Tribromophenol | 156 | | | ug/l | 200 | | 78 | 40-120 | | | |
| Surrogate: Nitrobenzene-d5 | 90.3 | | | ug/l | 100 | | 90 | 45-120 | | | |
| Surrogate: 2-Fluorobiphenyl | 90.2 | | | ug/l | 100 | | 90 | 50-120 | | | |
| Surrogate: Terphenyl-d14 | 104 | | | ug/l | 100 | | 104 | 50-125 | | | |

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IRB0719 <Page 34 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B09001 Extracted: 02/09/08 | | | | | | | | | | | |
| Blank Analyzed: 02/12/2008 (8B09001-BLK1) | | | | | | | | | | | |
| 4,4'-DDD | ND | 0.0050 | 0.0020 | ug/l | | | | | | | |
| 4,4'-DDE | ND | 0.0050 | 0.0030 | ug/l | | | | | | | |
| 4,4'-DDT | ND | 0.010 | 0.0040 | ug/l | | | | | | | |
| Aldrin | ND | 0.0050 | 0.0015 | ug/l | | | | | | | |
| alpha-BHC | ND | 0.0050 | 0.0025 | ug/l | | | | | | | |
| beta-BHC | ND | 0.010 | 0.0040 | ug/l | | | | | | | |
| delta-BHC | ND | 0.0050 | 0.0035 | ug/l | | | | | | | |
| gamma-BHC (Lindane) | ND | 0.010 | 0.0030 | ug/l | | | | | | | |
| Dieldrin | ND | 0.0050 | 0.0020 | ug/l | | | | | | | |
| Endosulfan I | ND | 0.0050 | 0.0020 | ug/l | | | | | | | |
| Endosulfan II | ND | 0.0050 | 0.0030 | ug/l | | | | | | | |
| Endosulfan sulfate | ND | 0.010 | 0.0030 | ug/l | | | | | | | |
| Endrin | ND | 0.0050 | 0.0020 | ug/l | | | | | | | |
| Endrin aldehyde | ND | 0.010 | 0.0020 | ug/l | | | | | | | |
| Endrin ketone | ND | 0.010 | 0.0030 | ug/l | | | | | | | |
| Heptachlor | ND | 0.010 | 0.0030 | ug/l | | | | | | | |
| Heptachlor epoxide | ND | 0.0050 | 0.0025 | ug/l | | | | | | | |
| Methoxychlor | ND | 0.0050 | 0.0035 | ug/l | | | | | | | |
| Chlordane | ND | 0.10 | 0.030 | ug/l | | | | | | | |
| Toxaphene | ND | 0.10 | 0.070 | ug/l | | | | | | | |
| Surrogate: Decachlorobiphenyl | 0.393 | | | ug/l | 0.500 | | 79 | 45-120 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.359 | | | ug/l | 0.500 | | 72 | 35-115 | | | |

LCS Analyzed: 02/12/2008 (8B09001-BS1)

MNR1

| | | | | | | | |
|---------------------|-------|--------|--------|------|-------|----|--------|
| 4,4'-DDD | 0.438 | 0.0050 | 0.0020 | ug/l | 0.500 | 88 | 55-120 |
| 4,4'-DDE | 0.406 | 0.0050 | 0.0030 | ug/l | 0.500 | 81 | 50-120 |
| 4,4'-DDT | 0.443 | 0.010 | 0.0040 | ug/l | 0.500 | 89 | 55-120 |
| Aldrin | 0.390 | 0.0050 | 0.0015 | ug/l | 0.500 | 78 | 40-115 |
| alpha-BHC | 0.413 | 0.0050 | 0.0025 | ug/l | 0.500 | 83 | 45-115 |
| beta-BHC | 0.421 | 0.010 | 0.0040 | ug/l | 0.500 | 84 | 55-115 |
| delta-BHC | 0.430 | 0.0050 | 0.0035 | ug/l | 0.500 | 86 | 55-115 |
| gamma-BHC (Lindane) | 0.418 | 0.010 | 0.0030 | ug/l | 0.500 | 84 | 45-115 |
| Dieldrin | 0.421 | 0.0050 | 0.0020 | ug/l | 0.500 | 84 | 55-115 |
| Endosulfan I | 0.400 | 0.0050 | 0.0020 | ug/l | 0.500 | 80 | 55-115 |
| Endosulfan II | 0.421 | 0.0050 | 0.0030 | ug/l | 0.500 | 84 | 55-120 |
| Endosulfan sulfate | 0.427 | 0.010 | 0.0030 | ug/l | 0.500 | 85 | 60-120 |

TestAmerica Irvine

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Project Manager

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|--------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B09001 Extracted: 02/09/08 | | | | | | | | | | | |
| LCS Analyzed: 02/12/2008 (8B09001-BS1) | | | | | | | | | | | MNR1 |
| Endrin | 0.433 | 0.0050 | 0.0020 | ug/l | 0.500 | | 87 | 55-115 | | | |
| Endrin aldehyde | 0.392 | 0.010 | 0.0020 | ug/l | 0.500 | | 78 | 50-120 | | | |
| Endrin ketone | 0.421 | 0.010 | 0.0030 | ug/l | 0.500 | | 84 | 55-120 | | | |
| Heptachlor | 0.410 | 0.010 | 0.0030 | ug/l | 0.500 | | 82 | 45-115 | | | |
| Heptachlor epoxide | 0.400 | 0.0050 | 0.0025 | ug/l | 0.500 | | 80 | 55-115 | | | |
| Methoxychlor | 0.429 | 0.0050 | 0.0035 | ug/l | 0.500 | | 86 | 60-120 | | | |
| Surrogate: Decachlorobiphenyl | 0.413 | | | ug/l | 0.500 | | 83 | 45-120 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.397 | | | ug/l | 0.500 | | 79 | 35-115 | | | |
| LCS Dup Analyzed: 02/12/2008 (8B09001-BSD1) | | | | | | | | | | | |
| 4,4'-DDD | 0.426 | 0.0050 | 0.0020 | ug/l | 0.500 | | 85 | 55-120 | 3 | 30 | |
| 4,4'-DDE | 0.383 | 0.0050 | 0.0030 | ug/l | 0.500 | | 77 | 50-120 | 6 | 30 | |
| 4,4'-DDT | 0.426 | 0.010 | 0.0040 | ug/l | 0.500 | | 85 | 55-120 | 4 | 30 | |
| Aldrin | 0.373 | 0.0050 | 0.0015 | ug/l | 0.500 | | 75 | 40-115 | 4 | 30 | |
| alpha-BHC | 0.402 | 0.0050 | 0.0025 | ug/l | 0.500 | | 80 | 45-115 | 3 | 30 | |
| beta-BHC | 0.412 | 0.010 | 0.0040 | ug/l | 0.500 | | 82 | 55-115 | 2 | 30 | |
| delta-BHC | 0.420 | 0.0050 | 0.0035 | ug/l | 0.500 | | 84 | 55-115 | 2 | 30 | |
| gamma-BHC (Lindane) | 0.410 | 0.010 | 0.0030 | ug/l | 0.500 | | 82 | 45-115 | 2 | 30 | |
| Dieldrin | 0.419 | 0.0050 | 0.0020 | ug/l | 0.500 | | 84 | 55-115 | 0 | 30 | |
| Endosulfan I | 0.388 | 0.0050 | 0.0020 | ug/l | 0.500 | | 78 | 55-115 | 3 | 30 | |
| Endosulfan II | 0.408 | 0.0050 | 0.0030 | ug/l | 0.500 | | 82 | 55-120 | 3 | 30 | |
| Endosulfan sulfate | 0.416 | 0.010 | 0.0030 | ug/l | 0.500 | | 83 | 60-120 | 3 | 30 | |
| Endrin | 0.425 | 0.0050 | 0.0020 | ug/l | 0.500 | | 85 | 55-115 | 2 | 30 | |
| Endrin aldehyde | 0.374 | 0.010 | 0.0020 | ug/l | 0.500 | | 75 | 50-120 | 5 | 30 | |
| Endrin ketone | 0.400 | 0.010 | 0.0030 | ug/l | 0.500 | | 80 | 55-120 | 5 | 30 | |
| Heptachlor | 0.398 | 0.010 | 0.0030 | ug/l | 0.500 | | 80 | 45-115 | 3 | 30 | |
| Heptachlor epoxide | 0.388 | 0.0050 | 0.0025 | ug/l | 0.500 | | 78 | 55-115 | 3 | 30 | |
| Methoxychlor | 0.397 | 0.0050 | 0.0035 | ug/l | 0.500 | | 79 | 60-120 | 8 | 30 | |
| Surrogate: Decachlorobiphenyl | 0.409 | | | ug/l | 0.500 | | 82 | 45-120 | | | |
| Surrogate: Tetrachloro-m-xylene | 0.388 | | | ug/l | 0.500 | | 78 | 35-115 | | | |

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

SOLUBLE POLYCHLORINATED BIPHENYLS (EPA 8082)

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B09001 Extracted: 02/09/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/11/2008 (8B09001-BLK1) | | | | | | | | | | | |
| Aroclor 1016 | ND | 0.50 | 0.45 | ug/l | | | | | | | |
| Aroclor 1221 | ND | 0.50 | 0.25 | ug/l | | | | | | | |
| Aroclor 1232 | ND | 0.50 | 0.25 | ug/l | | | | | | | |
| Aroclor 1242 | ND | 0.50 | 0.25 | ug/l | | | | | | | |
| Aroclor 1248 | ND | 0.50 | 0.25 | ug/l | | | | | | | |
| Aroclor 1254 | ND | 0.50 | 0.25 | ug/l | | | | | | | |
| Aroclor 1260 | ND | 0.50 | 0.30 | ug/l | | | | | | | |
| Surrogate: Decachlorobiphenyl | 0.439 | | | ug/l | 0.500 | | 88 | 45-120 | | | |
| LCS Analyzed: 02/11/2008 (8B09001-BS2) | | | | | | | | | | | MNR1 |
| Aroclor 1016 | 3.35 | 0.50 | 0.45 | ug/l | 4.00 | | 84 | 50-115 | | | |
| Aroclor 1260 | 3.60 | 0.50 | 0.30 | ug/l | 4.00 | | 90 | 60-120 | | | |
| Surrogate: Decachlorobiphenyl | 0.447 | | | ug/l | 0.500 | | 89 | 45-120 | | | |
| LCS Dup Analyzed: 02/11/2008 (8B09001-BSD2) | | | | | | | | | | | |
| Aroclor 1016 | 3.37 | 0.50 | 0.45 | ug/l | 4.00 | | 84 | 50-115 | 1 | 30 | |
| Aroclor 1260 | 3.62 | 0.50 | 0.30 | ug/l | 4.00 | | 91 | 60-120 | 1 | 25 | |
| Surrogate: Decachlorobiphenyl | 0.453 | | | ug/l | 0.500 | | 91 | 45-120 | | | |

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IRB0719 <Page 37 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

METALS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|---------|-----------------|---------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B11073 Extracted: 02/11/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/11/2008 (8B11073-BLK1) | | | | | | | | | | | |
| Mercury | ND | 0.00020 | 0.00010 | mg/l | | | | | | | |
| LCS Analyzed: 02/11/2008 (8B11073-BS1) | | | | | | | | | | | |
| Mercury | 0.00787 | 0.00020 | 0.00010 | mg/l | 0.00800 | | 98 | 90-115 | | | |
| Matrix Spike Analyzed: 02/11/2008 (8B11073-MS1) | | | | | | Source: IRB0946-01 | | | | | |
| Mercury | 0.00809 | 0.00020 | 0.00010 | mg/l | 0.00800 | ND | 101 | 75-120 | | | |
| Matrix Spike Dup Analyzed: 02/11/2008 (8B11073-MSD1) | | | | | | Source: IRB0946-01 | | | | | |
| Mercury | 0.00807 | 0.00020 | 0.00010 | mg/l | 0.00800 | ND | 101 | 75-120 | 0 | 20 | |
| <u>Batch: 8B11090 Extracted: 02/11/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/11/2008-02/12/2008 (8B11090-BLK1) | | | | | | | | | | | |
| Antimony | ND | 2.0 | 0.20 | ug/l | | | | | | | |
| Arsenic | ND | 1.0 | 0.70 | ug/l | | | | | | | |
| Beryllium | ND | 0.50 | 0.20 | ug/l | | | | | | | |
| Cadmium | ND | 1.0 | 0.11 | ug/l | | | | | | | |
| Chromium | ND | 2.0 | 0.70 | ug/l | | | | | | | |
| Copper | ND | 2.0 | 0.75 | ug/l | | | | | | | |
| Lead | ND | 1.0 | 0.30 | ug/l | | | | | | | |
| Nickel | ND | 2.0 | 0.90 | ug/l | | | | | | | |
| Selenium | ND | 2.0 | 0.30 | ug/l | | | | | | | |
| Silver | ND | 1.0 | 0.30 | ug/l | | | | | | | |
| Thallium | ND | 1.0 | 0.20 | ug/l | | | | | | | |
| Zinc | 3.96 | 20 | 2.5 | ug/l | | | | | | | J |

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Project Manager

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IRB0719 <Page 38 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

METALS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 8B11090 Extracted: 02/11/08 | | | | | | | | | | | |
| LCS Analyzed: 02/11/2008-02/12/2008 (8B11090-BS1) | | | | | | | | | | | |
| Antimony | 78.6 | 2.0 | 0.20 | ug/l | 80.0 | | 98 | 80-120 | | | |
| Arsenic | 80.0 | 1.0 | 0.70 | ug/l | 80.0 | | 100 | 80-120 | | | |
| Beryllium | 93.2 | 0.50 | 0.20 | ug/l | 80.0 | | 117 | 80-120 | | | |
| Cadmium | 78.0 | 1.0 | 0.11 | ug/l | 80.0 | | 97 | 80-120 | | | |
| Chromium | 78.9 | 2.0 | 0.70 | ug/l | 80.0 | | 99 | 80-120 | | | |
| Copper | 79.9 | 2.0 | 0.75 | ug/l | 80.0 | | 100 | 80-120 | | | |
| Lead | 78.2 | 1.0 | 0.30 | ug/l | 80.0 | | 98 | 80-120 | | | |
| Nickel | 80.1 | 2.0 | 0.90 | ug/l | 80.0 | | 100 | 80-120 | | | |
| Selenium | 79.0 | 2.0 | 0.30 | ug/l | 80.0 | | 99 | 80-120 | | | |
| Silver | 77.8 | 1.0 | 0.30 | ug/l | 80.0 | | 97 | 80-120 | | | |
| Thallium | 77.5 | 1.0 | 0.20 | ug/l | 80.0 | | 97 | 80-120 | | | |
| Zinc | 81.6 | 20 | 2.5 | ug/l | 80.0 | | 102 | 80-120 | | | |

Matrix Spike Analyzed: 02/11/2008-02/12/2008 (8B11090-MS1)

Source: IRB0751-01

| | | | | | | | | | | | |
|-----------|------|-----|------|------|------|------|-----|--------|--|--|----|
| Antimony | 48.4 | 2.0 | 0.20 | ug/l | 80.0 | 1.78 | 58 | 75-125 | | | M2 |
| Arsenic | 64.5 | 5.0 | 3.5 | ug/l | 80.0 | ND | 81 | 75-125 | | | |
| Beryllium | 91.0 | 2.5 | 1.0 | ug/l | 80.0 | ND | 114 | 75-125 | | | |
| Cadmium | 42.3 | 1.0 | 0.11 | ug/l | 80.0 | ND | 53 | 75-125 | | | M2 |
| Chromium | 43.1 | 2.0 | 0.70 | ug/l | 80.0 | ND | 54 | 75-125 | | | M2 |
| Copper | 39.3 | 2.0 | 0.75 | ug/l | 80.0 | 4.14 | 44 | 75-125 | | | M2 |
| Lead | 81.4 | 1.0 | 0.30 | ug/l | 80.0 | ND | 102 | 75-125 | | | |
| Nickel | 89.0 | 2.0 | 0.90 | ug/l | 80.0 | 87.2 | 2 | 75-125 | | | M2 |
| Selenium | 46.7 | 2.0 | 0.30 | ug/l | 80.0 | ND | 58 | 75-125 | | | M2 |
| Silver | 40.9 | 1.0 | 0.30 | ug/l | 80.0 | ND | 51 | 75-125 | | | M2 |
| Thallium | 83.3 | 1.0 | 0.20 | ug/l | 80.0 | ND | 104 | 75-125 | | | |
| Zinc | 82.1 | 20 | 2.5 | ug/l | 80.0 | 111 | -37 | 75-125 | | | M2 |

Matrix Spike Dup Analyzed: 02/11/2008-02/12/2008 (8B11090-MSD1)

Source: IRB0751-01

| | | | | | | | | | | | |
|-----------|------|-----|------|------|------|------|-----|--------|---|----|----|
| Antimony | 48.6 | 2.0 | 0.20 | ug/l | 80.0 | 1.78 | 59 | 75-125 | 1 | 20 | M2 |
| Arsenic | 60.5 | 5.0 | 3.5 | ug/l | 80.0 | ND | 76 | 75-125 | 6 | 20 | |
| Beryllium | 90.1 | 2.5 | 1.0 | ug/l | 80.0 | ND | 113 | 75-125 | 1 | 20 | |
| Cadmium | 42.1 | 1.0 | 0.11 | ug/l | 80.0 | ND | 53 | 75-125 | 1 | 20 | M2 |
| Chromium | 42.5 | 2.0 | 0.70 | ug/l | 80.0 | ND | 53 | 75-125 | 2 | 20 | M2 |
| Copper | 38.9 | 2.0 | 0.75 | ug/l | 80.0 | 4.14 | 43 | 75-125 | 1 | 20 | M2 |
| Lead | 79.0 | 1.0 | 0.30 | ug/l | 80.0 | ND | 99 | 75-125 | 3 | 20 | |
| Nickel | 89.4 | 2.0 | 0.90 | ug/l | 80.0 | 87.2 | 3 | 75-125 | 0 | 20 | M2 |

TestAmerica Irvine

Patty Mata
Project Manager

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

METALS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 8B11090 Extracted: 02/11/08 | | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 02/11/2008-02/12/2008 (8B11090-MSD1) | | | | | | Source: IRB0751-01 | | | | | |
| Selenium | 47.3 | 2.0 | 0.30 | ug/l | 80.0 | ND | 59 | 75-125 | 1 | 20 | M2 |
| Silver | 40.6 | 1.0 | 0.30 | ug/l | 80.0 | ND | 51 | 75-125 | 1 | 20 | M2 |
| Thallium | 81.8 | 1.0 | 0.20 | ug/l | 80.0 | ND | 102 | 75-125 | 2 | 20 | |
| Zinc | 83.1 | 20 | 2.5 | ug/l | 80.0 | 111 | -35 | 75-125 | 1 | 20 | M2 |
| Post Spike Analyzed: 02/12/2008 (8B11090-PS1) | | | | | | Source: IRB0751-01 | | | | | |
| Antimony | 69.4 | NA | N/A | ug/l | 80.0 | 1.78 | 84 | 75-125 | | | |
| Arsenic | 62.5 | NA | N/A | ug/l | 80.0 | -5.84 | 85 | 75-125 | | | |
| Beryllium | 61.0 | NA | N/A | ug/l | 80.0 | 0.410 | 76 | 75-125 | | | |
| Cadmium | 67.8 | NA | N/A | ug/l | 80.0 | 0.295 | 84 | 75-125 | | | |
| Chromium | 72.8 | NA | N/A | ug/l | 80.0 | 1.46 | 89 | 75-125 | | | |
| Copper | 70.2 | NA | N/A | ug/l | 80.0 | 4.14 | 83 | 75-125 | | | |
| Lead | 80.7 | NA | N/A | ug/l | 80.0 | 0.0700 | 101 | 75-125 | | | |
| Nickel | 150 | NA | N/A | ug/l | 80.0 | 87.2 | 78 | 75-125 | | | |
| Selenium | 67.7 | NA | N/A | ug/l | 80.0 | 1.07 | 83 | 75-125 | | | |
| Silver | 66.2 | NA | N/A | ug/l | 80.0 | 0.0300 | 83 | 75-125 | | | |
| Thallium | 81.9 | NA | N/A | ug/l | 80.0 | 0.112 | 102 | 0-200 | | | |
| Zinc | 176 | NA | N/A | ug/l | 80.0 | 111 | 80 | 75-125 | | | |

TestAmerica Irvine

Patty Mata
Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B07067 Extracted: 02/07/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/07/2008 (8B07067-BLK1) | | | | | | | | | | | |
| Nitrate-N | ND | 0.11 | 0.060 | mg/l | | | | | | | |
| LCS Analyzed: 02/07/2008 (8B07067-BS1) | | | | | | | | | | | |
| Nitrate-N | 1.18 | 0.11 | 0.060 | mg/l | 1.13 | | 105 | 90-110 | | | |
| Matrix Spike Analyzed: 02/07/2008 (8B07067-MS1) | | | | | | Source: IRB0607-01 | | | | | |
| Nitrate-N | 5.73 | 0.11 | 0.060 | mg/l | 1.13 | 3.59 | 189 | 80-120 | | | MI |
| Matrix Spike Analyzed: 02/08/2008 (8B07067-MS2) | | | | | | Source: IRB0765-01 | | | | | |
| Nitrate-N | 6.75 | 0.11 | 0.060 | mg/l | 1.13 | 5.54 | 107 | 80-120 | | | |
| Matrix Spike Dup Analyzed: 02/07/2008 (8B07067-MSD1) | | | | | | Source: IRB0607-01 | | | | | |
| Nitrate-N | 5.42 | 0.11 | 0.060 | mg/l | 1.13 | 3.59 | 162 | 80-120 | 6 | 20 | MI |
| <u>Batch: 8B07137 Extracted: 02/07/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/07/2008 (8B07137-BLK1) | | | | | | | | | | | |
| Surfactants (MBAS) | ND | 0.10 | 0.044 | mg/l | | | | | | | |
| LCS Analyzed: 02/07/2008 (8B07137-BS1) | | | | | | | | | | | |
| Surfactants (MBAS) | 0.259 | 0.10 | 0.044 | mg/l | 0.250 | | 104 | 90-110 | | | |
| Matrix Spike Analyzed: 02/07/2008 (8B07137-MS1) | | | | | | Source: IRB0713-01 | | | | | |
| Surfactants (MBAS) | 0.267 | 0.10 | 0.044 | mg/l | 0.250 | ND | 107 | 50-125 | | | |
| Matrix Spike Dup Analyzed: 02/07/2008 (8B07137-MSD1) | | | | | | Source: IRB0713-01 | | | | | |
| Surfactants (MBAS) | 0.272 | 0.10 | 0.044 | mg/l | 0.250 | ND | 109 | 50-125 | 2 | 20 | |

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Project Manager

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|----------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| <u>Batch: 8B08057 Extracted: 02/08/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/08/2008 (8B08057-BLK1) | | | | | | | | | | | |
| Residual Chlorine | ND | 0.10 | 0.10 | mg/l | | | | | | | |
| Duplicate Analyzed: 02/08/2008 (8B08057-DUP1) | | | | | | | | | | | |
| Residual Chlorine | 0.110 | 0.10 | 0.10 | mg/l | | 0.110 | | | 0 | 20 | |
| <u>Batch: 8B08058 Extracted: 02/08/08</u> | | | | | | | | | | | |
| Duplicate Analyzed: 02/08/2008 (8B08058-DUP1) | | | | | | | | | | | |
| Dissolved Oxygen | 5.75 | 1.0 | 1.0 | mg/l | | 5.65 | | | 2 | 20 | |
| <u>Batch: 8B08068 Extracted: 02/08/08</u> | | | | | | | | | | | |
| Duplicate Analyzed: 02/08/2008 (8B08068-DUP1) | | | | | | | | | | | |
| pH | 7.77 | 0.100 | 0.100 | pH Units | | 7.74 | | | 0 | 5 | HFT |
| Duplicate Analyzed: 02/08/2008 (8B08068-DUP2) | | | | | | | | | | | |
| pH | 8.09 | 0.100 | 0.100 | pH Units | | 8.08 | | | 0 | 5 | HFT |
| <u>Batch: 8B08070 Extracted: 02/08/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/08/2008 (8B08070-BLK1) | | | | | | | | | | | |
| Turbidity | 0.100 | 1.0 | 0.040 | NTU | | | | | | | J |
| Duplicate Analyzed: 02/08/2008 (8B08070-DUP1) | | | | | | | | | | | |
| Turbidity | 26.2 | 2.0 | 0.080 | NTU | | 27.2 | | | 4 | 20 | |

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BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|--------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B08074 Extracted: 02/08/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/13/2008 (8B08074-BLK1) | | | | | | | | | | | |
| Biochemical Oxygen Demand | ND | 2.0 | 0.59 | mg/l | | | | | | | |
| LCS Analyzed: 02/13/2008 (8B08074-BS1) | | | | | | | | | | | |
| Biochemical Oxygen Demand | 213 | 100 | 30 | mg/l | 198 | | 108 | 85-115 | | | |
| LCS Dup Analyzed: 02/13/2008 (8B08074-BSD1) | | | | | | | | | | | |
| Biochemical Oxygen Demand | 212 | 100 | 30 | mg/l | 198 | | 107 | 85-115 | 1 | 20 | |
| <u>Batch: 8B08119 Extracted: 02/08/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/08/2008 (8B08119-BLK1) | | | | | | | | | | | |
| Sulfide | ND | 0.10 | 0.020 | mg/l | | | | | | | |
| LCS Analyzed: 02/08/2008 (8B08119-BS1) | | | | | | | | | | | |
| Sulfide | 0.480 | 0.10 | 0.020 | mg/l | 0.460 | | 104 | 80-120 | | | |
| Matrix Spike Analyzed: 02/08/2008 (8B08119-MS1) | | | | | | Source: IRB0672-01 | | | | | |
| Sulfide | 0.626 | 0.10 | 0.020 | mg/l | 0.460 | 0.0721 | 120 | 70-130 | | | |
| Matrix Spike Dup Analyzed: 02/08/2008 (8B08119-MSD1) | | | | | | Source: IRB0672-01 | | | | | |
| Sulfide | 0.608 | 0.10 | 0.020 | mg/l | 0.460 | 0.0721 | 117 | 70-130 | 3 | 30 | |
| <u>Batch: 8B08122 Extracted: 02/08/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/08/2008 (8B08122-BLK1) | | | | | | | | | | | |
| Total Cyanide | ND | 0.0050 | 0.0022 | mg/l | | | | | | | |

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IRB0719 <Page 43 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|--------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B08122 Extracted: 02/08/08</u> | | | | | | | | | | | |
| LCS Analyzed: 02/08/2008 (8B08122-BS1) | | | | | | | | | | | |
| Total Cyanide | 0.194 | 0.0050 | 0.0022 | mg/l | 0.200 | | 97 | 90-110 | | | |
| Matrix Spike Analyzed: 02/08/2008 (8B08122-MS1) | | | | | | | | | | | |
| | | | | | | Source: IRB0719-02 | | | | | |
| Total Cyanide | 0.195 | 0.0050 | 0.0022 | mg/l | 0.200 | ND | 98 | 70-115 | | | |
| Matrix Spike Dup Analyzed: 02/08/2008 (8B08122-MSD1) | | | | | | | | | | | |
| | | | | | | Source: IRB0719-02 | | | | | |
| Total Cyanide | 0.191 | 0.0050 | 0.0022 | mg/l | 0.200 | ND | 95 | 70-115 | 2 | 15 | |
| <u>Batch: 8B11104 Extracted: 02/11/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/11/2008 (8B11104-BLK1) | | | | | | | | | | | |
| Hardness (as CaCO3) | ND | 4.0 | 4.0 | mg/l | | | | | | | |
| LCS Analyzed: 02/11/2008 (8B11104-BS1) | | | | | | | | | | | |
| Hardness (as CaCO3) | 188 | 4.0 | 4.0 | mg/l | 194 | | 97 | 90-110 | | | |
| Duplicate Analyzed: 02/11/2008 (8B11104-DUP1) | | | | | | | | | | | |
| | | | | | | Source: IRB0218-01 | | | | | |
| Hardness (as CaCO3) | 16.0 | 4.0 | 4.0 | mg/l | | 16.0 | | | 0 | 20 | |
| <u>Batch: 8B11126 Extracted: 02/11/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/11/2008 (8B11126-BLK1) | | | | | | | | | | | |
| Total Suspended Solids | ND | 10 | 10 | mg/l | | | | | | | |
| LCS Analyzed: 02/11/2008 (8B11126-BS1) | | | | | | | | | | | |
| Total Suspended Solids | 986 | 10 | 10 | mg/l | 1000 | | 99 | 85-115 | | | |

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Project Manager

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IRB0719 <Page 44 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B11126 Extracted: 02/11/08</u> | | | | | | | | | | | |
| Duplicate Analyzed: 02/11/2008 (8B11126-DUP1) | | | | | | Source: IRB0875-01 | | | | | |
| Total Suspended Solids | ND | 10 | 10 | mg/l | | ND | | | | 10 | |
| <u>Batch: 8B14134 Extracted: 02/14/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/14/2008 (8B14134-BLK1) | | | | | | | | | | | |
| Total Organic Carbon | ND | 1.0 | 0.50 | mg/l | | | | | | | |
| LCS Analyzed: 02/14/2008 (8B14134-BS1) | | | | | | | | | | | |
| Total Organic Carbon | 10.4 | 1.0 | 0.50 | mg/l | 10.0 | | 104 | 90-110 | | | |
| Matrix Spike Analyzed: 02/14/2008 (8B14134-MS1) | | | | | | Source: IRB0795-02 | | | | | |
| Total Organic Carbon | 11.2 | 1.0 | 0.50 | mg/l | 5.00 | 6.27 | 100 | 80-120 | | | |
| Matrix Spike Dup Analyzed: 02/14/2008 (8B14134-MSD1) | | | | | | Source: IRB0795-02 | | | | | |
| Total Organic Carbon | 11.1 | 1.0 | 0.50 | mg/l | 5.00 | 6.27 | 97 | 80-120 | 1 | 20 | |
| <u>Batch: 8B15070 Extracted: 02/15/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/15/2008 (8B15070-BLK1) | | | | | | | | | | | |
| Hexane Extractable Material (Oil & Grease) | ND | 5.0 | 1.4 | mg/l | | | | | | | |
| LCS Analyzed: 02/15/2008 (8B15070-BS1) | | | | | | | | | | | |
| Hexane Extractable Material (Oil & Grease) | 20.6 | 5.0 | 1.4 | mg/l | 20.2 | | 102 | 78-114 | | | MNR1 |
| LCS Dup Analyzed: 02/15/2008 (8B15070-BSD1) | | | | | | | | | | | |
| Hexane Extractable Material (Oil & Grease) | 20.7 | 5.0 | 1.4 | mg/l | 20.2 | | 102 | 78-114 | 1 | 11 | |

TestAmerica Irvine

Patty Mata
Project Manager

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IRB0719 <Page 45 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

METHOD BLANK/QC DATA

INORGANICS

| Analyte | Result | Reporting Limit | MDL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| <u>Batch: 8B15126 Extracted: 02/15/08</u> | | | | | | | | | | | |
| Duplicate Analyzed: 02/15/2008 (8B15126-DUP1) | | | | | | Source: IRB0719-02 | | | | | |
| Salinity | 27.4 | 0.10 | N/A | g/l | | 27.6 | | | 1 | 20 | |
| <u>Batch: 8B18089 Extracted: 02/18/08</u> | | | | | | | | | | | |
| Blank Analyzed: 02/19/2008 (8B18089-BLK1) | | | | | | | | | | | |
| Ammonia-N (Distilled) | ND | 1.0 | 0.22 | mg/l | | | | | | | |
| LCS Analyzed: 02/19/2008 (8B18089-BS1) | | | | | | | | | | | |
| Ammonia-N (Distilled) | 4.60 | 1.0 | 0.22 | mg/l | 5.00 | | 92 | 85-115 | | | |
| Duplicate Analyzed: 02/19/2008 (8B18089-DUP1) | | | | | | Source: IRB1551-01 | | | | | |
| Ammonia-N (Distilled) | 0.822 | 1.0 | 0.22 | mg/l | | 0.859 | | | 4 | 15 | J |
| Matrix Spike Analyzed: 02/19/2008 (8B18089-MS1) | | | | | | Source: IRB1551-01 | | | | | |
| Ammonia-N (Distilled) | 5.70 | 1.0 | 0.22 | mg/l | 5.00 | 0.859 | 97 | 75-125 | | | |
| Matrix Spike Dup Analyzed: 02/19/2008 (8B18089-MSD1) | | | | | | Source: IRB1551-01 | | | | | |
| Ammonia-N (Distilled) | 5.70 | 1.0 | 0.22 | mg/l | 5.00 | 0.859 | 97 | 75-125 | 0 | 15 | |

TestAmerica Irvine

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Project Manager

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IRB0719 <Page 46 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

DATA QUALIFIERS AND DEFINITIONS

| | |
|-------------|--|
| HFT | The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt. |
| J | Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability. |
| M1 | The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS). |
| M13 | The sample spiked had a pH of less than 2. 2-Chloroethylvinylether degrades under acidic conditions. |
| M2 | The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS). |
| MNR1 | There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate. |
| R-7 | LFB/LFBD RPD exceeded the acceptance limit. Recovery met acceptance criteria. |
| RL1 | Reporting limit raised due to sample matrix effects. |
| RL3 | Reporting limit raised due to high concentrations of non-target analytes. |
| Z1 | Surrogate recovery was above acceptance limits. |
| ND | Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified. |
| RPD | Relative Percent Difference |

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD.
The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For 1,2-Diphenylhydrazine:

The result for 1,2-Diphenylhydrazine is based upon the reading of its breakdown product, Azobenzene.

TestAmerica Irvine

Patty Mata
Project Manager

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

Certification Summary

TestAmerica Irvine

| Method | Matrix | Nelac | California |
|---------------|--------|-------|------------|
| EPA 120.1 | Water | X | X |
| EPA 130.2 | Water | X | X |
| EPA 160.2 | Water | X | X |
| EPA 160.5 | Water | X | X |
| EPA 1664A | Water | | |
| EPA 180.1 | Water | X | X |
| EPA 300.0 | Water | X | X |
| EPA 330.5 | Water | X | X |
| EPA 3510/8082 | Water | X | X |
| EPA 360.1 | Water | X | X |
| EPA 376.2 | Water | X | X |
| EPA 405.1 | Water | X | X |
| EPA 415.1 | Water | X | X |
| EPA 425.1 | Water | X | X |
| EPA 6020 | Water | X | X |
| EPA 7470A | Water | X | X |
| EPA 8081A | Water | X | X |
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | X | X |
| SM4500-CN-C,E | Water | X | X |
| SM4500-H,B | Water | X | X |
| SM4500NH3-D | Water | | |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

Subcontracted Laboratories

Aquatic Testing Laboratories-SUB California Cert #1775

4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-Acute 96hr

Samples: IRB0719-01

EnviroMatrix Analytical, Inc.

4340 Viewridge Avenue, Suite A - San Diego, CA 92123

Analysis Performed: Tributyl Tin

Samples: IRB0719-01

TestAmerica Irvine

Patty Mata
Project Manager

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IRB0719 <Page 48 of 49>

BP Carson
2350 E 223rd St
Carson, CA 90810
Attention: Sara Chung

Project ID: BP Carson RW
LVW and RW
Report Number: IRB0719

Sampled: 02/07/08
Received: 02/07/08

TestAmerica West Sacramento

880 Riverside Parkway - West Sacramento, CA 95605

Analysis Performed: 8290-Diox-TCDD only

Samples: IRB0719-01, IRB0719-02

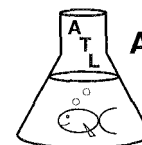
TestAmerica Irvine

Patty Mata
Project Manager

IRBOT7710

AD
2005
2/10/02

LABORATORY REPORT



**Aquatic
Testing
Laboratories**

"dedicated to providing quality aquatic toxicity testing"

Date: February 12, 2008
Client: Test America - Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Patty Mata

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756
CA DOHS ELAP Cert. No.: 1775

Laboratory No.: A-08020803-001
Sample ID.: IRB0719-01

Sample Control: The sample was received by ATL in a chilled state, within the recommended hold time and with the chain of custody record attached.

Date Sampled: 02/07/08
Date Received: 02/08/08
Temp. Received: 2°C
Chlorine (TRC): 0.0 mg/l
Date Tested: 02/08/08 to 02/12/08

Sample Analysis: The following analyses were performed on your sample:

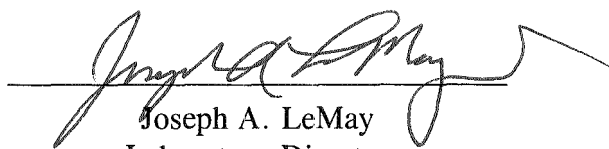
Fathead Minnow 96hr Percent Survival Bioassay (EPA Method 2000.0).

Attached are the test data generated from the analysis of your sample.

Result Summary:

| <u>Sample ID.</u> | <u>Results</u> |
|-------------------|---------------------------|
| IRB0719-01 | 100% Survival (TUa = 0.0) |

Quality Control: Reviewed and approved by:


Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW PERCENT SURVIVAL TEST

EPA Method 2000.0



Lab No.: A-08020803-001

Client/ID: TestAmerica - IRB0719-01

Start Date: 02/08/2008

TEST SUMMARY

Species: *Pimephales promelas*.

Age: 14 (1-14) days.

Regulations: NPDES.

Test solution volume: 250 ml.

Feeding: prior to renewal at 48 hrs.

Number of replicates: 2.

Dilution water: Moderately hard reconstituted water.

Photoperiod: 16/8 hrs light/dark.

Source: In-laboratory Culture.

Test type: Static-Renewal.

Test Protocol: EPA-821-R-02-012.

Endpoints: Percent Survival at 96 hrs.

Test chamber: 600 ml beakers.

Temperature: 20 +/- 1°C.

Number of fish per chamber: 10.

QA/QC Batch No.: RT-080204.

TEST DATA

| | | °C | DO | pH | # Dead | | Analyst & Time of Readings |
|---------|---------|-------------|------------|------------|----------|----------|----------------------------|
| | | | | | A | B | |
| INITIAL | Control | <u>20.0</u> | <u>8.8</u> | <u>7.8</u> | <u>0</u> | <u>0</u> | <u>Rm</u> <u>1500</u> |
| | 100% | <u>20.8</u> | <u>9.6</u> | <u>7.6</u> | <u>0</u> | <u>0</u> | |
| 24 Hr | Control | <u>19.6</u> | <u>8.1</u> | <u>7.4</u> | <u>0</u> | <u>0</u> | <u>Rm</u> <u>1200</u> |
| | 100% | <u>19.5</u> | <u>7.9</u> | <u>7.5</u> | <u>0</u> | <u>0</u> | |
| 48 Hr | Control | <u>19.9</u> | <u>6.8</u> | <u>7.6</u> | <u>0</u> | <u>0</u> | <u>Z</u> <u>1300</u> |
| | 100% | <u>19.6</u> | <u>6.5</u> | <u>7.5</u> | <u>0</u> | <u>0</u> | |
| Renewal | Control | <u>20.0</u> | <u>8.1</u> | <u>7.6</u> | <u>0</u> | <u>0</u> | <u>Z</u> <u>1300</u> |
| | 100% | <u>19.9</u> | <u>8.7</u> | <u>7.6</u> | <u>0</u> | <u>0</u> | |
| 72 Hr | Control | <u>20.1</u> | <u>7.2</u> | <u>7.5</u> | <u>0</u> | <u>0</u> | <u>Rm</u> <u>1500</u> |
| | 100% | <u>20.1</u> | <u>7.5</u> | <u>7.6</u> | <u>0</u> | <u>0</u> | |
| 96 Hr | Control | <u>20.7</u> | <u>7.1</u> | <u>7.5</u> | <u>0</u> | <u>0</u> | <u>Rm</u> <u>1400</u> |
| | 100% | <u>20.6</u> | <u>6.9</u> | <u>7.5</u> | <u>0</u> | <u>0</u> | |

Comments:

Sample as received: Chlorine: 0.0 mg/l; pH: 7.6; Conductivity: 530 umho; Temp: 2°C;

DO: 9.6 mg/l; Alkalinity: 94 mg/l; Hardness: 142 mg/l; NH₃-N: 1.0 mg/l.

Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / No

Control: Alkalinity: 64 mg/l; Hardness: 96 mg/l; Conductivity: 290 umho.

Test solution aerated (not to exceed 100 bubbles/min) to maintain DO >4.0 mg/l? Yes / No

Sample used for renewal is the original sample kept at 0-6°C with minimal headspace.

Dissolved Oxygen (DO) readings in mg/l O₂.

RESULTS

Percent Survival In: Control: 100 % 100% Sample: 100 %

SUBCONTRACT ORDER

TestAmerica Irvine

IRB0719

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB
4350 Transport Street, Unit 107
Ventura, CA 93003
Phone : (805) 650-0546
Fax: (805) 650-0756
Project Location: California
Receipt Temperature: 2 °C Ice: Y N

| Analysis | Units | Due | Expires | Comments |
|-----------------------|------------|----------|-------------------------|--|
| Sample ID: IRB0719-01 | Water | | Sampled: 02/07/08 12:30 | |
| Bioassay-Acute 96hr | % Survival | 02/19/08 | 02/09/08 00:30 | Sub to ATL. 027F Fathead minnow % survival |
| Containers Supplied: | | | | |
| 1 gal Poly (F) | | | | |

Released By

Date/Time

Released By

Date/Time

Received By

Date/Time

Received By

Date/Time

Page 1 of 1

REFERENCE TOXICANT DATA

FATHEAD MINNOW ACUTE

Method 2000.0

Reference Toxicant - SDS



QA/QC Batch No.: RT-080204

TEST SUMMARY

Species: *Pimephales promelas*.

Age: 14 days old.

Regulations: NPDES.

Test chamber volume: 250 ml.

Feeding: Prior to renewal at 48 hrs.

Temperature: 20 +/- 1°C.

Number of replicates: 2.

Dilution water: MHSF.

Source: In-lab culture.

Test type: Static-Renewal.

Test Protocol: EPA-821-R-02-012.

Endpoints: LC50 at 96 hrs.

Test chamber: 600 ml glass beakers.

Aeration: None.

Number of organisms per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

| Date/Time: Analyst: | INITIAL | | | 24 Hr | | | | | | 48 Hr | | | | | |
|----------------------------|------------|-----|-----|-------------|-----|-----|--------|----|------|-------------|-----|--------|---|--|--|
| | 2-4-8 1430 | | | 2-5-08 1330 | | | | | | 2-6-08 1430 | | | | | |
| | Rn | | | Rn | | | | | | Rn | | | | | |
| | °C | DO | pH | °C | DO | pH | # Dead | | °C | DO | pH | # Dead | | | |
| A | | | | | | | B | A | | | | B | | | |
| Control | 19.8 | 8.4 | 7.4 | 19.1 | 7.9 | 7.5 | 0 | 0 | 19.4 | 7.2 | 7.6 | 0 | 0 | | |
| 1.0 mg/l | 19.9 | 8.4 | 7.5 | 19.1 | 7.8 | 7.4 | 0 | 0 | 19.4 | 6.9 | 7.6 | 0 | 0 | | |
| 2.0 mg/l | 19.9 | 8.5 | 7.5 | 19.0 | 7.6 | 7.4 | 0 | 0 | 19.4 | 6.6 | 7.5 | 0 | 0 | | |
| 4.0 mg/l | 20.0 | 8.5 | 7.5 | 19.0 | 8.0 | 7.4 | 0 | 1 | 19.4 | 6.7 | 7.5 | 2 | 0 | | |
| 8.0 mg/l | 20.0 | 8.6 | 7.5 | 19.1 | 8.0 | 7.4 | 10 | 10 | — | — | — | — | — | | |

| Date/Time: Analyst: | RENEWAL | | | 72 Hr | | | | | | 96 Hr | | | | | |
|----------------------------|-------------|-----|-----|-------------|-----|-----|--------|---|------|-------------|-----|--------|---|--|--|
| | 2-6-08 1430 | | | 2-7-08 1200 | | | | | | 2-8-08 1300 | | | | | |
| | Rn | | | Rn | | | | | | Rn | | | | | |
| | °C | DO | pH | °C | DO | pH | # Dead | | °C | DO | pH | # Dead | | | |
| | | | | | | | A | B | | | | A | B | | |
| Control | 20.3 | 8.9 | 7.8 | 19.4 | 7.5 | 7.7 | 0 | 0 | 19.2 | 8.0 | 7.5 | 0 | 0 | | |
| 1.0 mg/l | 20.3 | 8.9 | 7.8 | 19.3 | 7.5 | 7.6 | 0 | 0 | 19.2 | 8.0 | 7.5 | 0 | 0 | | |
| 2.0 mg/l | 20.3 | 8.8 | 7.8 | 19.3 | 7.7 | 7.5 | 0 | 0 | 19.3 | 8.1 | 7.4 | 0 | 0 | | |
| 4.0 mg/l | 20.3 | 8.8 | 7.8 | 19.3 | 7.6 | 7.5 | 0 | 0 | 19.3 | 8.2 | 7.4 | 0 | 1 | | |
| 8.0 mg/l | — | — | — | — | — | — | — | — | — | — | — | — | — | | |

Comments: Control: Alkalinity: 64 mg/l; Hardness: 96 mg/l; Conductivity: 289 umho.

SDS: Alkalinity: 64 mg/l; Hardness: 47 mg/l; Conductivity: 290 umho.

Concentration-response relationship acceptable? (see attached computer analysis):

☒ Yes (response curve normal)

☐ No (dose interrupted indicated or non-normal)

Acute Fish Test-96 Hr Survival

| | | |
|----------------------------|------------------------------------|---|
| Start Date: 2/4/2008 14:30 | Test ID: RT-080204 | Sample ID: REF-Ref Toxicant |
| End Date: 2/8/2008 13:00 | Lab ID: CAATL-Aquatic Testing Labs | Sample Type: SDS-Sodium dodecyl sulfate |
| Sample Date: 2/4/2008 | Protocol: ACUTE-EPA-821-R-02-012 | Test Species: PP-Pimephales promelas |

Comments:

| Conc-mg/L | 1 | 2 |
|-----------|--------|--------|
| D-Control | 1.0000 | 1.0000 |
| 1 | 1.0000 | 1.0000 |
| 2 | 1.0000 | 1.0000 |
| 4 | 0.8000 | 0.8000 |
| 8 | 0.0000 | 0.0000 |

| Transform: Arcsin Square Root | | | | | | | | Number | Total |
|-------------------------------|--------|--------|--------|--------|--------|-------|---|--------|--------|
| Conc-mg/L | Mean | N-Mean | Mean | Min | Max | CV% | N | Resp | Number |
| D-Control | 1.0000 | 1.0000 | 1.4120 | 1.4120 | 1.4120 | 0.000 | 2 | 0 | 20 |
| 1 | 1.0000 | 1.0000 | 1.4120 | 1.4120 | 1.4120 | 0.000 | 2 | 0 | 20 |
| 2 | 1.0000 | 1.0000 | 1.4120 | 1.4120 | 1.4120 | 0.000 | 2 | 0 | 20 |
| 4 | 0.8000 | 0.8000 | 1.1071 | 1.1071 | 1.1071 | 0.000 | 2 | 4 | 20 |
| 8 | 0.0000 | 0.0000 | 0.1588 | 0.1588 | 0.1588 | 0.000 | 2 | 20 | 20 |

Auxiliary Tests

Normality of the data set cannot be confirmed

Equality of variance cannot be confirmed

Statistic

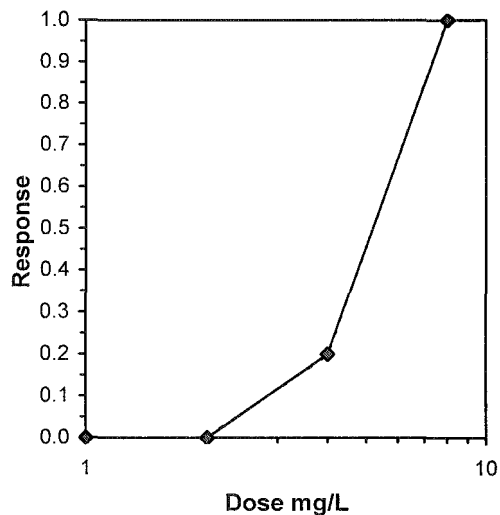
Critical

Skew

Kurt

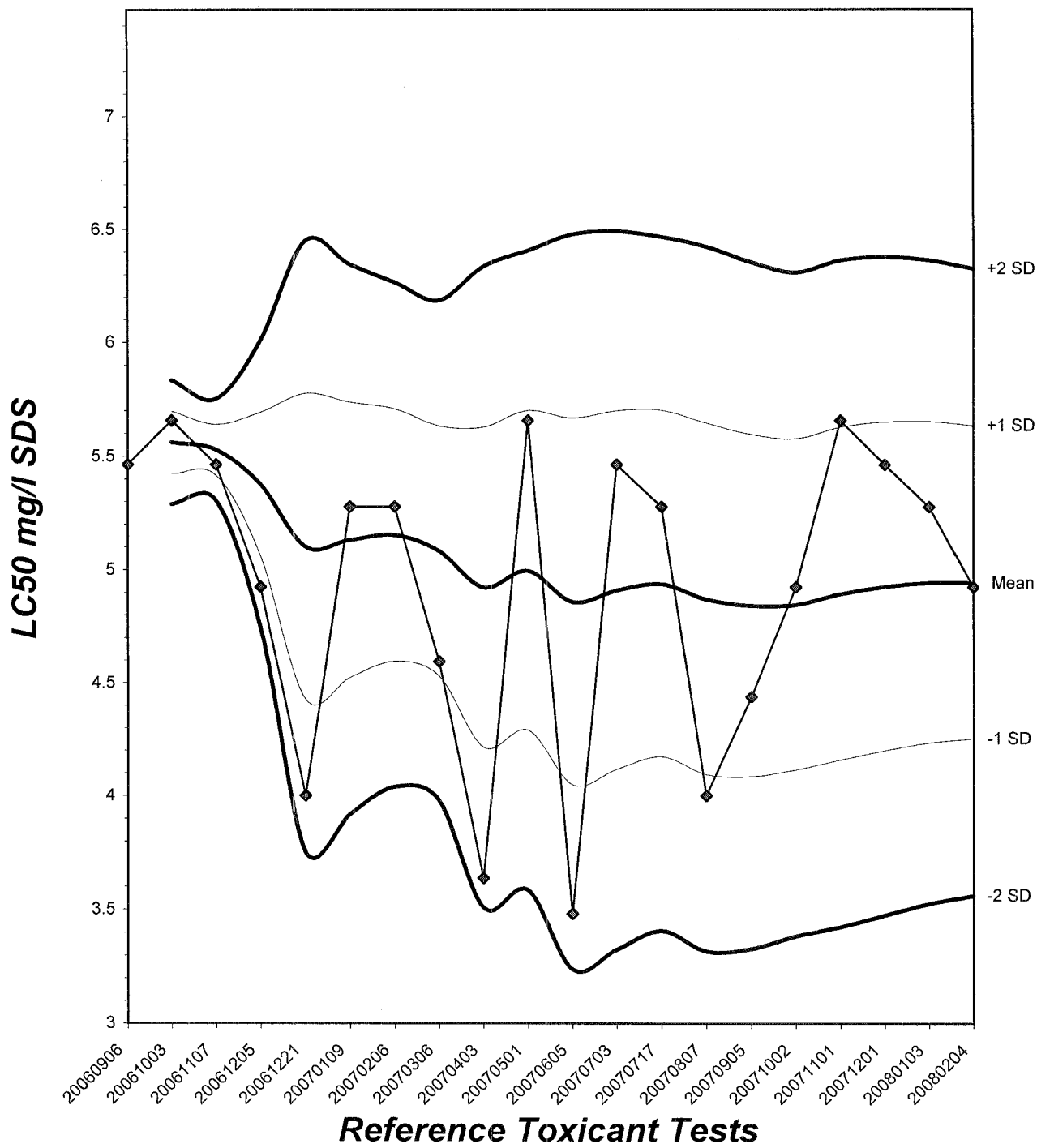
Trimmed Spearman-Kärber

| Trim Level | EC50 | 95% CL | |
|------------|--------|--------|--------|
| 0.0% | 4.9246 | 4.3503 | 5.5747 |
| 5.0% | 5.0215 | 4.3576 | 5.7866 |
| 10.0% | 5.1038 | 4.2923 | 6.0686 |
| 20.0% | 5.1874 | 4.7084 | 5.7150 |
| Auto-0.0% | 4.9246 | 4.3503 | 5.5747 |



Fathead Minnow Acute Laboratory Control Chart

CV% = 14



TEST ORGANISM LOG



FATHEAD MINNOW - LARVAL (*Pimephales promelas*)

QA/QC BATCH NO.: RT-080204

SOURCE: In-Lab Culture

DATE HATCHED: 01-21-08

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

MORTALITIES 48 HOURS PRIOR TO
TO USE IN TESTING: 0

DATE USED IN LAB: 2/4/08

AVERAGE FISH WEIGHT: 0.006 gm

TEST LOADING LIMITS: 0.65 gm/liter

200 ml test solution volume = 0.013 gm mean fish weight limit

250 ml test solution volume = 0.016 gm mean fish weight limit

ACCLIMATION WATER QUALITY:

Temp.: 19.8 °C

pH: 7.4

Ammonia: 20.1 mg/l NH₃-N

DO: 8.4 mg/l

Alkalinity: 64 mg/l

Hardness: 96 mg/l

READINGS RECORDED BY: [Signature]

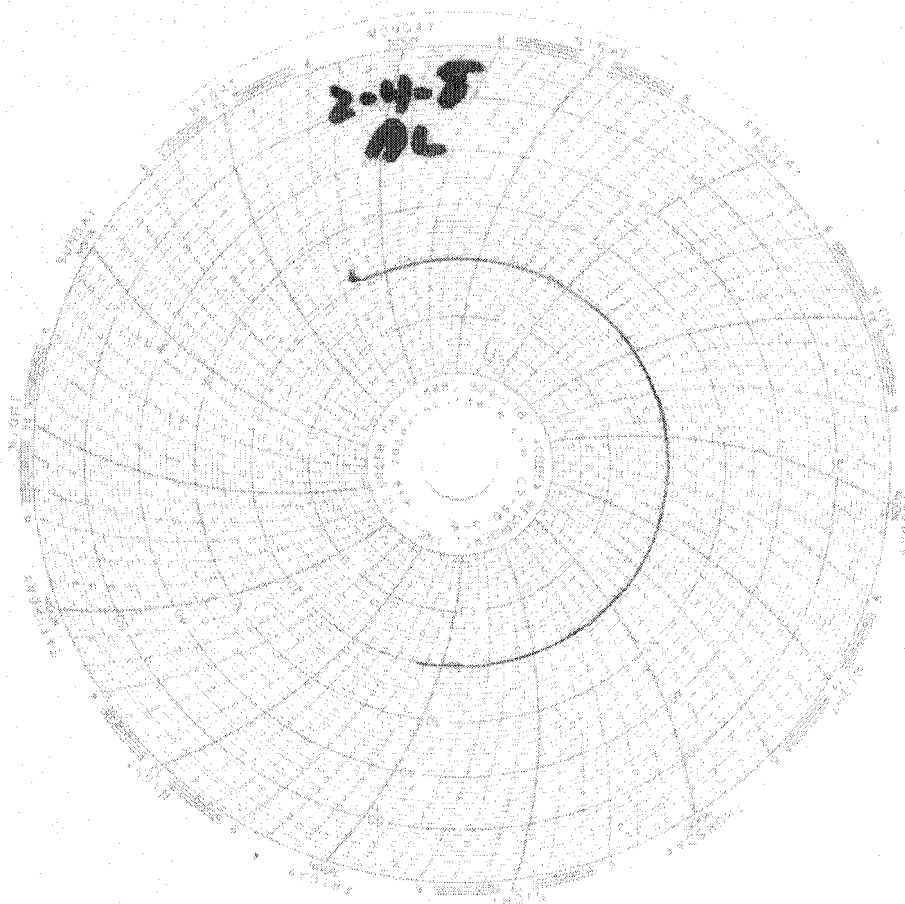
DATE: 2-4-8

Laboratory Temperature Chart

QA/QC Batch No: RT-080202

Date Tested: 02/02/08 to 02/06/08

Acceptable Range: 20 \pm 1°C



February 22, 2008

TestAmerica Project Number: G8B090172
PO/Contract: IRB0719

Patty Mata
TestAmerica Analytical Testing
17461 Derian Ave., Ste 100
Irvine, CA 92614-5817

Dear Ms. Mata,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on February 9, 2008. These samples are associated with your IRB0719 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4442.

Sincerely,



Karen Sellers
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G8B090172

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

WATER, 8290, 2,3,7,8-TCDD

Samples: 1, 2

Sample Data Sheets

Method Blank Report

Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G8B090172

WATER, 8290, 2,3,7,8 -TCDD

Sample(s): 1, 2

The bracketing continuing calibration standard analyzed on February 21, 2008 at 6:34 has 2,3,7,8-TCDD with percent difference value that is between the method recommended criteria of 20% to 25% deviation from the initial calibration curve. Per method guidelines, an average relative response factor (RRF) is calculated from bracketing continuing calibration standards and is used to quantitate any positive results in the associated samples for the affected analytes. There is no impact on the data as a result of this anomaly.

The column performance standard mix (CPSM) CP0220A at 2/20/08 23:10 exceeded the 25% valley resolution requirement for 2,3,7,8 –TCDD. The data was evaluated for impact. As the sample is non-detect for 2,3,7,8 -TCDD there is no adverse impact from this deficiency.

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

| Certifying State | Certificate # | Certifying State | Certificate # |
|------------------|---------------|--------------------|---------------|
| Alaska | UST-055 | New York* | 11666 |
| Arizona | AZ0616 | Oregon* | CA 200005 |
| Arkansas | 04-067-0 | Pennsylvania | 68-1272 |
| California* | 01119CA | South Carolina | 87014002 |
| Colorado | NA | Texas | TX 270-2004A |
| Connecticut | PH-0691 | Utah* | QUAN1 |
| Florida* | E87570 | Virginia | 00178 |
| Georgia | 960 | Washington | C087 |
| Hawaii | NA | West Virginia | 9930C, 334 |
| Kansas* | E10375 | Wisconsin | 998204680 |
| Louisiana* | 01944 | NFESC | NA |
| Michigan | 9947 | USACE | NA |
| Nevada | CA44 | USDA Foreign Plant | 37-82605 |
| New Jersey* | CA005 | USDA Foreign Soil | S-46613 |

*NELAP accredited. A more detailed parameter list is available upon request. Updated 9/21/07

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G8B090172

| <u>WO#</u> | <u>Sample #</u> | <u>Client Sample ID</u> | <u>Sampling Date</u> | <u>Received Date</u> |
|------------|-----------------|-------------------------|----------------------|----------------------|
| KGWCP | 1 | IRB0719-01 | 2/7/2008 12:30 PM | 2/9/2008 09:15 AM |
| KGWCT | 2 | IRB0719-02 | 2/7/2008 12:20 PM | 2/9/2008 09:15 AM |

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

SUBCONTRACT ORDER

TestAmerica Irvine

IRB0719

SENDING LABORATORY:


TestAmerica Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata
Client: BP Carson

RECEIVING LABORATORY:

TestAmerica West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: (916) 373-5600
Fax: (916) 372-1059
Project Location: California
Receipt Temperature: 2°C

Ice: (Y) N

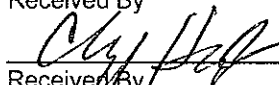
| Analysis | Units | Due | Expires | Interlab Price | Surch | Comments |
|------------------------------|-------|-------------------------|----------------|----------------|-------|----------------------------|
| Sample ID: IRB0719-01 | | | | | | |
| Water | | Sampled: 02/07/08 12:30 | | | | |
| 8290-Diox-TCDD only | mg/l | 02/21/08 | 02/14/08 12:30 | \$0.00 | 0% | Sub TA-West Sac. TCDD only |
| Containers Supplied: | | | | | | |
| 1 L Amber (U) | | | | | | |
| Sample ID: IRB0719-02 | | | | | | |
| Water | | Sampled: 02/07/08 12:20 | | | | |
| 8290-Diox-TCDD only | mg/l | 02/21/08 | 02/14/08 12:20 | \$0.00 | 0% | Sub TA-West Sac. TCDD only |
| Containers Supplied: | | | | | | |
| 1 L Amber (O) | | | | | | |

 2/8/08 17:00
Released By _____ Date/Time _____

Released By

Date/Time

G8B090172

FedEx 2/8/08 17:00
Received By _____ Date/Time _____
 2-9-08 11:15
Received By _____ Date/Time _____

Received By

Date/Time

TestAmerica West Sacramento (916) 373-5600

Page 1 of 1

6 of 15

CLIENT TAL Irvine PM KS LOG # 50326

LOT# (QUANTIMS ID) G8B090172 QUOTE# 74133 LOCATION W21D

DATE RECEIVED 2-9-08 TIME RECEIVED 915 Initials AL Date 2-9-08

DELIVERED BY ☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS
☐ TAL COURIER ☐ VALLEY LOGISTICS ☐ MORGAN HILL COURIER
☐ OTHER

CUSTODY SEAL STATUS ☐ INTACT ☐ BROKEN ☒ N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) ☐ TAL ☒ CLIENT ☐ N/A

TEMPERATURE RECORD (IN °C) IR 4 ☒ 5 ☐ OTHER _____

COC #(S) _____

TEMPERATURE BLANK Observed: NA Corrected: _____

SAMPLE TEMPERATURE

Observed: 2 2 2 Average: 2 Corrected Average: 2

COLLECTOR'S NAME: ☐ Verified from COC ☒ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW ☒ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM ☒ N/A

VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☒ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☐ N/A

☐ CLOUSEAU ☐ TEMPERATURE EXCEEDED (2 °C - 6 °C)*1 ☒ N/A

☐ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☐ PM NOTIFIED

Notes: _____

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

Lot

ID:

G8B090172

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| VOA* | | | | | | | | | | | | | | | | | | | | |
| VOAh* | | | | | | | | | | | | | | | | | | | | |
| AGB | | | | | | | | | | | | | | | | | | | | |
| AGBs | | | | | | | | | | | | | | | | | | | | |
| 250AGB | | | | | | | | | | | | | | | | | | | | |
| 250AGBs | | | | | | | | | | | | | | | | | | | | |
| 250AGBn | | | | | | | | | | | | | | | | | | | | |
| 500AGB | | | | | | | | | | | | | | | | | | | | |
| ____AGJ | | | | | | | | | | | | | | | | | | | | |
| 500AGJ | | | | | | | | | | | | | | | | | | | | |
| 250AGJ | | | | | | | | | | | | | | | | | | | | |
| 125AGJ | | | | | | | | | | | | | | | | | | | | |
| ____CGJ | | | | | | | | | | | | | | | | | | | | |
| 500CGJ | | | | | | | | | | | | | | | | | | | | |
| 250CGJ | | | | | | | | | | | | | | | | | | | | |
| 125CGJ | | | | | | | | | | | | | | | | | | | | |
| PJ | | | | | | | | | | | | | | | | | | | | |
| PJn | | | | | | | | | | | | | | | | | | | | |
| 500PJ | | | | | | | | | | | | | | | | | | | | |
| 500PJn | | | | | | | | | | | | | | | | | | | | |
| 500PJna | | | | | | | | | | | | | | | | | | | | |
| 500PJzn/na | | | | | | | | | | | | | | | | | | | | |
| 250PJ | | | | | | | | | | | | | | | | | | | | |
| 250PJn | | | | | | | | | | | | | | | | | | | | |
| 250PJna | | | | | | | | | | | | | | | | | | | | |
| 250PJzn/na | | | | | | | | | | | | | | | | | | | | |
| Acetate Tube | | | | | | | | | | | | | | | | | | | | |
| ____"CT | | | | | | | | | | | | | | | | | | | | |
| Encore | | | | | | | | | | | | | | | | | | | | |
| Folder/filter | | | | | | | | | | | | | | | | | | | | |
| PUF | | | | | | | | | | | | | | | | | | | | |
| Petri/Filter | | | | | | | | | | | | | | | | | | | | |
| XAD Trap | | | | | | | | | | | | | | | | | | | | |
| Ziploc | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

QA-185 5/05 EM

Page 3

LEAVE NO SPACES BLANK USE "NA" IF NOT APPLICABLE

**WATER, 8290,
2,3,7,8-TCDD only**

TestAmerica Irvine

Client Sample ID: IRB0719-01

Trace Level Organic Compounds

Lot-Sample #....: G8B090172-001 Work Order #....: KGWCP1AA Matrix.....: WATER
 Date Sampled....: 02/07/08 Date Received...: 02/09/08
 Prep Date.....: 02/19/08 Analysis Date...: 02/21/08
 Prep Batch #....: 8051283
 Dilution Factor: 1

| <u>PARAMETER</u> | <u>RESULT</u> | <u>DETECTION LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> |
|------------------|---------------|----------------------------|--------------|---------------|
| 2,3,7,8-TCDD | ND | 1.1 | pg/L | SW846 8290 |

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-----------------------------|----------------------------|
| 13C-2,3,7,8-TCDD | 93 | (40 - 135) |

TestAmerica Irvine

Client Sample ID: IRB0719-02

Trace Level Organic Compounds

Lot-Sample #...: G8B090172-002 Work Order #...: KGWCT1AA Matrix.....: WATER
 Date Sampled...: 02/07/08 Date Received...: 02/09/08
 Prep Date.....: 02/19/08 Analysis Date...: 02/21/08
 Prep Batch #...: 8051283
 Dilution Factor: 1

| <u>PARAMETER</u> | <u>RESULT</u> | <u>DETECTION LIMIT</u> | <u>UNITS</u> | <u>METHOD</u> |
|------------------|---------------|----------------------------|--------------|---------------|
| 2,3,7,8-TCDD | ND | 0.86 | pg/L | SW846 8290 |

| <u>INTERNAL STANDARDS</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|---------------------------|-----------------------------|----------------------------|
| 13C-2,3,7,8-TCDD | 88 | (40 - 135) |

QC DATA ASSOCIATION SUMMARY

G8B090172

Sample Preparation and Analysis Control Numbers

| <u>SAMPLE#</u> | <u>MATRIX</u> | <u>ANALYTICAL METHOD</u> | <u>LEACH BATCH #</u> | <u>PREP BATCH #</u> | <u>MS RUN#</u> |
|----------------|---------------|------------------------------|--------------------------|-------------------------|----------------|
| 001 | WATER | SW846 8290 | | 8051283 | |
| 002 | WATER | SW846 8290 | | 8051283 | |

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8B090172
MB Lot-Sample #: G8B200000-283

Work Order #...: KHDF71AA

Matrix.....: WATER

Analysis Date...: 02/21/08
Dilution Factor: 1

Prep Date.....: 02/19/08
Prep Batch #...: 8051283

| PARAMETER | RESULT | DETECTION LIMIT | UNITS | METHOD |
|--------------|--------|--------------------|-------|------------|
| 2,3,7,8-TCDD | ND | 0.75 | pg/L | SW846 8290 |

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8B090172 Work Order #...: KHDF71AC Matrix.....: WATER
 LCS Lot-Sample#: G8B200000-283
 Prep Date.....: 02/19/08 Analysis Date...: 02/21/08
 Prep Batch #...: 8051283
 Dilution Factor: 1

| <u>PARAMETER</u> | <u>SPIKE AMOUNT</u> | <u>MEASURED AMOUNT</u> | <u>UNITS</u> | <u>PERCENT RECOVERY</u> | <u>METHOD</u> |
|------------------|-------------------------|----------------------------|--------------|-----------------------------|---------------|
| 2,3,7,8-TCDD | 200 | 221 | pg/L | 110 | SW846 8290 |

| <u>INTERNAL STANDARD</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|--------------------------|-----------------------------|----------------------------|
| 13C-2,3,7,8-TCDD | 91 | (40 - 135) |

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

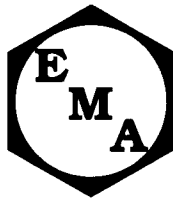
Client Lot #....: G8B090172 Work Order #....: KHDF71AC Matrix.....: WATER
LCS Lot-Sample#: G8B200000-283
Prep Date.....: 02/19/08 Analysis Date...: 02/21/08
Prep Batch #....: 8051283
Dilution Factor: 1

| <u>PARAMETER</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> | <u>METHOD</u> |
|------------------|-----------------------------|----------------------------|---------------|
| 2,3,7,8-TCDD | 110 | (71 - 128) | SW846 8290 |

| <u>INTERNAL STANDARD</u> | <u>PERCENT RECOVERY</u> | <u>RECOVERY LIMITS</u> |
|--------------------------|-----------------------------|----------------------------|
| 13C-2,3,7,8-TCDD | 91 | (40 - 135) |

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
Bold print denotes control parameters



15 February 2008

Test America-Irvine

EMA Log #: 0802150

Attn: Patty Mata

17461 Derian Avenue, Suite 100

Irvine, CA 92614-5817

Project Name: IRB0719

Enclosed are the results of analyses for samples received by the laboratory on 02/08/08 11:00. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that this data is in compliance both technically and for completeness.

A handwritten signature in black ink, appearing to read 'Dan Verdon', is written over a horizontal line.

Dan Verdon

Laboratory Director

CA ELAP Certification #: 2564

Client Name: Test America-Irvine

EMA Log #: 0802150

Project Name: IRB0719

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------|---------------|--------|----------------|----------------|
| IRB0719-01 | 0802150-01 | Water | 02/07/08 12:30 | 02/08/08 11:00 |

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.



Client Name: Test America-Irvine
Project Name: IRB0719

EMA Log #: 0802150

Organotin Compounds by GC - FPD

| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-------|--------------------|-------|----------|---------|----------|----------|----------|-------|
| IRB0719-01 (0802150-01) Water Sampled: 02/07/08 12:30 Received: 02/08/08 11:00 | | | | | | | | | | |
| Tributyltin | ND | 0.004 | 0.005 | ug/l | 1 | 8021103 | 02/11/08 | 02/14/08 | GC - FPD | |
| Dibutyltin | ND | 0.007 | 0.020 | " | " | " | " | " | " | |
| Monobutyltin | ND | 0.012 | 0.020 | " | " | " | " | " | " | |
| Surrogate: Triphenyltin | | 98 % | 71-128 | | | " | " | " | " | |
| Surrogate: Tri-n-propyltin | | 109 % | 67-130 | | | " | " | " | " | |

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.

Client Name: Test America-Irvine
Project Name: IRB0719

EMA Log #: 0802150

Organotin Compounds by GC - FPD - Quality Control

| Analyte | Result | MDL | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------|--------|-------|-----------------|-------|-------------|---------------------------------------|------|-------------|-----|-----------|-------|
| Batch 8021103 | | | | | | | | | | | |
| Blank (8021103-BLK1) | | | | | | Prepared: 02/11/08 Analyzed: 02/14/08 | | | | | |
| Tributyltin | ND | 0.004 | 0.005 | ug/l | | | | | | | |
| Dibutyltin | ND | 0.007 | 0.020 | " | | | | | | | |
| Monobutyltin | ND | 0.012 | 0.020 | " | | | | | | | |
| Surrogate: Triphenyltin | 0.203 | | | " | 0.250 | | 81 | 71-128 | | | |
| Surrogate: Tri-n-propyltin | 0.225 | | | " | 0.250 | | 90 | 67-130 | | | |
| LCS (8021103-BS1) | | | | | | Prepared: 02/11/08 Analyzed: 02/14/08 | | | | | |
| Tributyltin | 0.241 | 0.004 | 0.005 | ug/l | 0.250 | | 96 | 65-138 | | | |
| Dibutyltin | 0.041 | 0.007 | 0.020 | " | 0.249 | | 16 | 5-88 | | | |
| Monobutyltin | 0.017 | 0.012 | 0.020 | " | 0.250 | | 7 | 0-88 | | | J |
| Surrogate: Triphenyltin | 0.211 | | | " | 0.250 | | 84 | 71-128 | | | |
| Surrogate: Tri-n-propyltin | 0.243 | | | " | 0.250 | | 97 | 67-130 | | | |
| LCS Dup (8021103-BSD1) | | | | | | Prepared: 02/11/08 Analyzed: 02/14/08 | | | | | |
| Tributyltin | 0.243 | 0.004 | 0.005 | ug/l | 0.250 | | 97 | 65-138 | 0.8 | 30 | |
| Dibutyltin | 0.020 | 0.007 | 0.020 | " | 0.249 | | 8 | 5-88 | 69 | 30 | QL-02 |
| Monobutyltin | 0.023 | 0.012 | 0.020 | " | 0.250 | | 9 | 0-88 | 30 | 30 | |
| Surrogate: Triphenyltin | 0.195 | | | " | 0.250 | | 78 | 71-128 | | | |
| Surrogate: Tri-n-propyltin | 0.249 | | | " | 0.250 | | 100 | 67-130 | | | |

One 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.

Client Name: Test America-Irvine
Project Name: IRB0719

EMA Log #: 0802150

Notes and Definitions

- OL-02 The RPD between the LCS and LCSD did not meet the acceptance criteria, however both have acceptable recoveries. Sample data not affected.
Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis (if indicated in units column)
- RPD Relative Percent Difference
- MDL Method detection limit (indicated per client's request)

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.



TestAmerica Irvine

IRB0719

0802150

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone (949) 261-1022
Fax: (949) 260-3297
Project Manager: Patty Mata

RECEIVING LABORATORY:

EnviroMatrix Analytical, Inc.
4340 Viewridge Avenue, Suite A
San Diego, CA 92123
Phone : (858) 560-7717
Fax: (858) 560-7763
Project Location: California
Receipt Temperature: _____ °C Ice: Y / N

| Analysis | Units | Due | Expires | Comments |
|-----------------------|-------|----------|-------------------------|--|
| <hr/> | | | | |
| Sample ID: IRB0719-01 | Water | | Sampled: 02/07/08 12:30 | |
| Tributyl Tin-OUT | ug/l | 02/19/08 | 02/14/08 12:30 | Sub Enviromatrix. Need transfer file & J flag. |
| <hr/> | | | | |
| Containers Supplied: | | | | |
| 1 L Amber (V) | | | | |

Sampled by → Darian Wiacek

T = 8°C on ice

Released By

Date/Time

Received By

Date/Time

Released By

Date/Time

Received By

Date/Time