APPENDIX G

Section 38

Outfall 011, February 16, 2009

Test America Analytical Laboratory Report

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

LABORATORY REPORT

Prepared For: MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project: Annual Outfall 011

Sampled: 02/16/09
Received: 02/16/09
Issued: 03/18/09 10:48

NELAP #01108CA California ELAP#2706 CSDLAC #10256 AZ #AZ0671 NV #CA01531

This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

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

ADDITIONAL INFORMATION: This report includes 608 Alpha BHC data from a secondary source for confirmation purposes due to contamination in the primary laboratory. Please see corrective action.

LABORATORY ID	CLIENT ID	MATRIX
ISB1802-01	Outfall 011	Water
ISB1802-02	Trip Blanks	Water

Reviewed By:

TestAmerica Irvine

Joseph Doak
Project Manager

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MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

CORRECTIVE ACTION REPORT

Department: Extractions
Method: EPA 608
QC Batch: 9B20074

Date: 02/26/2009
Matrix: Water

Identification and Definition of Problem:

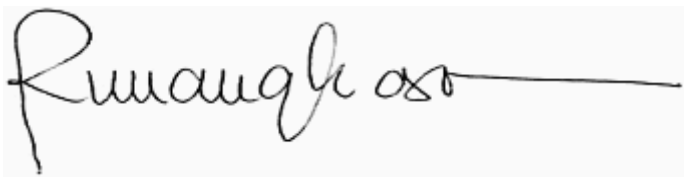
Alpha-BHC was reported as a false positive for samples in batches 9B12048, 9B20074 and 9B23113.

Determination of the Cause of the Problem:

A cause for the error was due to laboratory/equipment contamination during extraction process.

Corrective Action Taken:

The rinsing system for glassware using acid rinse has been established to prevent future carry over from contamination. Also glassware has been ordered as immediate response to solve this issue. All samples were re-extracted and re-analyzed to confirm the contamination level. Samples ISB0755-01, ISB0825-01, ISB1699-01 and ISB1703-01 were re-extracted past the method holding time. All other samples were re-extracted within the holding time. Only samples ISB1699-01, ISB1786-01, ISB1787-01 and ISB2105-01 remained as positive hits. Both results are reported with Corrective Action Report.

Quality Assurance Approval:  Date: 03/09/2009 12:36 PM

Rima Angkasa

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
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Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water)									
Reporting Units: mg/l									
DRO (C13 - C28)	EPA 8015B	9B19076	0.047	0.094	ND	0.943	02/19/09	02/20/09	
Surrogate: n-Octacosane (40-125%)					*74 %*				

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Sampled: 02/16/09
Received: 02/16/09

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: mg/l									
GRO (C4 - C12)	EPA 8015 Mod.	9B21002	0.025	0.10	ND	1	02/21/09	02/21/09	
Surrogate: 4-BFB (FID) (65-140%)					*92 %*				

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Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

PURGEABLES BY GC/MS (EPA 624)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
Benzene	EPA 624	9B17010	0.28	0.50	ND	1	02/17/09	02/17/09	
Bromodichloromethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
Bromoform	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
Bromomethane	EPA 624	9B17010	0.42	1.0	ND	1	02/17/09	02/17/09	
Carbon tetrachloride	EPA 624	9B17010	0.28	0.50	ND	1	02/17/09	02/17/09	
Chlorobenzene	EPA 624	9B17010	0.36	0.50	ND	1	02/17/09	02/17/09	
Chloroethane	EPA 624	9B17010	0.40	1.0	ND	1	02/17/09	02/17/09	
Chloroform	EPA 624	9B17010	0.33	0.50	ND	1	02/17/09	02/17/09	
Chloromethane	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
Dibromochloromethane	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
1,2-Dichlorobenzene	EPA 624	9B17010	0.32	0.50	ND	1	02/17/09	02/17/09	
1,3-Dichlorobenzene	EPA 624	9B17010	0.35	0.50	ND	1	02/17/09	02/17/09	
1,4-Dichlorobenzene	EPA 624	9B17010	0.37	0.50	ND	1	02/17/09	02/17/09	
1,1-Dichloroethane	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
1,2-Dichloroethane	EPA 624	9B17010	0.28	0.50	ND	1	02/17/09	02/17/09	
1,1-Dichloroethene	EPA 624	9B17010	0.42	0.50	ND	1	02/17/09	02/17/09	
trans-1,2-Dichloroethene	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
1,2-Dichloropropane	EPA 624	9B17010	0.35	0.50	ND	1	02/17/09	02/17/09	
cis-1,3-Dichloropropene	EPA 624	9B17010	0.22	0.50	ND	1	02/17/09	02/17/09	L
trans-1,3-Dichloropropene	EPA 624	9B17010	0.32	0.50	ND	1	02/17/09	02/17/09	
Ethylbenzene	EPA 624	9B17010	0.25	0.50	ND	1	02/17/09	02/17/09	
Methylene chloride	EPA 624	9B17010	0.95	1.0	ND	1	02/17/09	02/17/09	
1,1,2,2-Tetrachloroethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
Tetrachloroethene	EPA 624	9B17010	0.32	0.50	ND	1	02/17/09	02/17/09	
Toluene	EPA 624	9B17010	0.36	0.50	ND	1	02/17/09	02/17/09	
1,1,1-Trichloroethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
1,1,2-Trichloroethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
Trichloroethene	EPA 624	9B17010	0.26	0.50	ND	1	02/17/09	02/17/09	
Trichlorofluoromethane	EPA 624	9B17010	0.34	0.50	ND	1	02/17/09	02/17/09	
Trichlorotrifluoroethane (Freon 113)	EPA 624	9B17010	0.50	5.0	ND	1	02/17/09	02/17/09	
Vinyl chloride	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
Xylenes, Total	EPA 624	9B17010	0.90	1.5	ND	1	02/17/09	02/17/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*88 %*				
Surrogate: Dibromofluoromethane (80-120%)					*98 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				

TestAmerica Irvine

Joseph Doak
Project Manager

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MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

PURGEABLES BY GC/MS (EPA 624)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-02 (Trip Blanks - Water)									
Reporting Units: ug/l									
Benzene	EPA 624	9B17010	0.28	0.50	ND	1	02/17/09	02/17/09	
Bromodichloromethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
Bromoform	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
Bromomethane	EPA 624	9B17010	0.42	1.0	ND	1	02/17/09	02/17/09	
Carbon tetrachloride	EPA 624	9B17010	0.28	0.50	ND	1	02/17/09	02/17/09	
Chlorobenzene	EPA 624	9B17010	0.36	0.50	ND	1	02/17/09	02/17/09	
Chloroethane	EPA 624	9B17010	0.40	1.0	ND	1	02/17/09	02/17/09	
Chloroform	EPA 624	9B17010	0.33	0.50	ND	1	02/17/09	02/17/09	
Chloromethane	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
Dibromochloromethane	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
1,2-Dichlorobenzene	EPA 624	9B17010	0.32	0.50	ND	1	02/17/09	02/17/09	
1,3-Dichlorobenzene	EPA 624	9B17010	0.35	0.50	ND	1	02/17/09	02/17/09	
1,4-Dichlorobenzene	EPA 624	9B17010	0.37	0.50	ND	1	02/17/09	02/17/09	
1,1-Dichloroethane	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
1,2-Dichloroethane	EPA 624	9B17010	0.28	0.50	ND	1	02/17/09	02/17/09	
1,1-Dichloroethene	EPA 624	9B17010	0.42	0.50	ND	1	02/17/09	02/17/09	
trans-1,2-Dichloroethene	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
1,2-Dichloropropane	EPA 624	9B17010	0.35	0.50	ND	1	02/17/09	02/17/09	
cis-1,3-Dichloropropene	EPA 624	9B17010	0.22	0.50	ND	1	02/17/09	02/17/09	L
trans-1,3-Dichloropropene	EPA 624	9B17010	0.32	0.50	ND	1	02/17/09	02/17/09	
Ethylbenzene	EPA 624	9B17010	0.25	0.50	ND	1	02/17/09	02/17/09	
Methylene chloride	EPA 624	9B17010	0.95	1.0	ND	1	02/17/09	02/17/09	
1,1,2,2-Tetrachloroethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
Tetrachloroethene	EPA 624	9B17010	0.32	0.50	ND	1	02/17/09	02/17/09	
Toluene	EPA 624	9B17010	0.36	0.50	ND	1	02/17/09	02/17/09	
1,1,1-Trichloroethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
1,1,2-Trichloroethane	EPA 624	9B17010	0.30	0.50	ND	1	02/17/09	02/17/09	
Trichloroethene	EPA 624	9B17010	0.26	0.50	ND	1	02/17/09	02/17/09	
Trichlorofluoromethane	EPA 624	9B17010	0.34	0.50	ND	1	02/17/09	02/17/09	
Trichlorotrifluoroethane (Freon 113)	EPA 624	9B17010	0.50	5.0	ND	1	02/17/09	02/17/09	
Vinyl chloride	EPA 624	9B17010	0.40	0.50	ND	1	02/17/09	02/17/09	
Xylenes, Total	EPA 624	9B17010	0.90	1.5	ND	1	02/17/09	02/17/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*87 %*				
Surrogate: Dibromofluoromethane (80-120%)					*100 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				

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MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

PURGEABLES-- GC/MS (EPA 624)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water)									**P, pH**
Reporting Units: ug/l									
Acrolein	EPA 624	9B19003	4.0	5.0	ND	1	02/19/09	02/19/09	P9
Acrylonitrile	EPA 624	9B19003	0.70	2.0	ND	1	02/19/09	02/19/09	
2-Chloroethyl vinyl ether	EPA 624	9B19003	1.8	5.0	ND	1	02/19/09	02/19/09	P9
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Surrogate: Dibromofluoromethane (80-120%)					*95 %*				
Surrogate: Toluene-d8 (80-120%)					*95 %*				
Sample ID: ISB1802-02 (Trip Blanks - Water)									
Reporting Units: ug/l									
Acrolein	EPA 624	9B18010	4.0	5.0	ND	1	02/18/09	02/18/09	C
Acrylonitrile	EPA 624	9B18010	0.70	2.0	ND	1	02/18/09	02/18/09	C
2-Chloroethyl vinyl ether	EPA 624	9B18010	1.8	5.0	ND	1	02/18/09	02/18/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*89 %*				
Surrogate: Dibromofluoromethane (80-120%)					*98 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				

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Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water)									
Reporting Units: ug/l									
Cyclohexane	EPA 624 (MOD.)	9B17010	N/A	2.5	ND	1	02/17/09	02/17/09	
freon 123a	EPA 624 (MOD.)	9B17010	N/A	2.5	ND	1	02/17/09	02/17/09	
Sample ID: ISB1802-02 (Trip Blanks - Water)									
Reporting Units: ug/l									
Cyclohexane	EPA 624 (MOD.)	9B17010	N/A	2.5	ND	1	02/17/09	02/17/09	
freon 123a	EPA 624 (MOD.)	9B17010	N/A	2.5	ND	1	02/17/09	02/17/09	

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Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

1,4-DIOXANE BY DIRECT INJECTION GCMS - SINGLE ION MONITORING (SIM)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8260B-SIM	9B19013	1.0	2.0	ND	1	02/19/09	02/19/09	
Surrogate: Dibromofluoromethane (80-120%)					*99 %*				

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Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
Acenaphthene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Acenaphthylene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Aniline	EPA 625	9B21046	0.28	9.4	ND	0.943	02/21/09	02/24/09	
Anthracene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Benzidine	EPA 625	9B21046	N/A	4.7	ND	0.943	02/21/09	02/24/09	
Benzo(a)anthracene	EPA 625	9B21046	0.094	4.7	ND	0.943	02/21/09	02/24/09	
Benzo(a)pyrene	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
Benzo(b)fluoranthene	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
Benzo(g,h,i)perylene	EPA 625	9B21046	0.094	4.7	ND	0.943	02/21/09	02/24/09	
Benzo(k)fluoranthene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Benzoic acid	EPA 625	9B21046	2.8	19	ND	0.943	02/21/09	02/24/09	
Benzyl alcohol	EPA 625	9B21046	0.094	4.7	ND	0.943	02/21/09	02/24/09	
4-Bromophenyl phenyl ether	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
Butyl benzyl phthalate	EPA 625	9B21046	0.66	4.7	**1.3**	0.943	02/21/09	02/24/09	J, B
4-Chloro-3-methylphenol	EPA 625	9B21046	0.19	1.9	ND	0.943	02/21/09	02/24/09	
4-Chloroaniline	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
Bis(2-chloroethoxy)methane	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Bis(2-chloroethyl)ether	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Bis(2-chloroisopropyl)ether	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Bis(2-ethylhexyl)phthalate	EPA 625	9B21046	1.6	4.7	ND	0.943	02/21/09	02/24/09	
2-Chloronaphthalene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
2-Chlorophenol	EPA 625	9B21046	0.19	0.94	ND	0.943	02/21/09	02/24/09	
4-Chlorophenyl phenyl ether	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Chrysene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Dibenz(a,h)anthracene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Dibenzofuran	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Di-n-butyl phthalate	EPA 625	9B21046	0.19	1.9	ND	0.943	02/21/09	02/24/09	
1,2-Dichlorobenzene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
1,3-Dichlorobenzene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
1,4-Dichlorobenzene	EPA 625	9B21046	0.19	0.47	ND	0.943	02/21/09	02/24/09	
3,3'-Dichlorobenzidine	EPA 625	9B21046	N/A	4.7	ND	0.943	02/21/09	02/24/09	
2,4-Dichlorophenol	EPA 625	9B21046	0.19	1.9	ND	0.943	02/21/09	02/24/09	
Diethyl phthalate	EPA 625	9B21046	0.094	0.94	**0.26**	0.943	02/21/09	02/24/09	J
2,4-Dimethylphenol	EPA 625	9B21046	0.28	1.9	ND	0.943	02/21/09	02/24/09	
Dimethyl phthalate	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
4,6-Dinitro-2-methylphenol	EPA 625	9B21046	0.19	4.7	ND	0.943	02/21/09	02/24/09	
2,4-Dinitrophenol	EPA 625	9B21046	0.85	4.7	ND	0.943	02/21/09	02/24/09	
2,4-Dinitrotoluene	EPA 625	9B21046	0.19	4.7	ND	0.943	02/21/09	02/24/09	
2,6-Dinitrotoluene	EPA 625	9B21046	0.094	4.7	ND	0.943	02/21/09	02/24/09	
Di-n-octyl phthalate	EPA 625	9B21046	0.094	4.7	ND	0.943	02/21/09	02/24/09	
1,2-Diphenylhydrazine/Azobenzene	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	

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Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
Fluoranthene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Fluorene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Hexachlorobenzene	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
Hexachlorobutadiene	EPA 625	9B21046	0.19	1.9	ND	0.943	02/21/09	02/24/09	
Hexachlorocyclopentadiene	EPA 625	9B21046	0.094	4.7	ND	0.943	02/21/09	02/24/09	
Hexachloroethane	EPA 625	9B21046	0.19	2.8	ND	0.943	02/21/09	02/24/09	
Indeno(1,2,3-cd)pyrene	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
Isophorone	EPA 625	9B21046	0.094	0.94	**0.094**	0.943	02/21/09	02/24/09	J
2-Methylnaphthalene	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
2-Methylphenol	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
4-Methylphenol	EPA 625	9B21046	0.19	4.7	ND	0.943	02/21/09	02/24/09	
Naphthalene	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
2-Nitroaniline	EPA 625	9B21046	0.094	4.7	ND	0.943	02/21/09	02/24/09	
3-Nitroaniline	EPA 625	9B21046	0.19	4.7	ND	0.943	02/21/09	02/24/09	
4-Nitroaniline	EPA 625	9B21046	0.47	4.7	ND	0.943	02/21/09	02/24/09	
Nitrobenzene	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
2-Nitrophenol	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
4-Nitrophenol	EPA 625	9B21046	2.4	4.7	ND	0.943	02/21/09	02/24/09	
N-Nitroso-di-n-propylamine	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
N-Nitrosodimethylamine	EPA 625	9B21046	0.094	1.9	ND	0.943	02/21/09	02/24/09	
N-Nitrosodiphenylamine	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
Pentachlorophenol	EPA 625	9B21046	0.094	1.9	**1.5**	0.943	02/21/09	02/24/09	J
Phenanthrene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
Phenol	EPA 625	9B21046	0.28	0.94	ND	0.943	02/21/09	02/24/09	
Pyrene	EPA 625	9B21046	0.094	0.47	ND	0.943	02/21/09	02/24/09	
1,2,4-Trichlorobenzene	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
2,4,5-Trichlorophenol	EPA 625	9B21046	0.19	1.9	ND	0.943	02/21/09	02/24/09	
2,4,6-Trichlorophenol	EPA 625	9B21046	0.094	0.94	ND	0.943	02/21/09	02/24/09	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*73 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*71 %*				
Surrogate: 2-Fluorophenol (30-120%)					*60 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*69 %*				
Surrogate: Phenol-d6 (35-120%)					*64 %*				
Surrogate: Terphenyl-d14 (50-125%)					*87 %*				

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Joseph Doak
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
4,4'-DDD	EPA 608	9B20074	0.0019	0.0047	ND	0.943	02/20/09	02/22/09	
4,4'-DDE	EPA 608	9B20074	0.0028	0.0047	ND	0.943	02/20/09	02/22/09	
4,4'-DDT	EPA 608	9B20074	0.0038	0.0094	ND	0.943	02/20/09	02/22/09	
Aldrin	EPA 608	9B20074	0.0014	0.0047	ND	0.943	02/20/09	02/22/09	
alpha-BHC	EPA 608	9B20074	0.0024	0.0094	**0.012**	0.943	02/20/09	02/22/09	N2
beta-BHC	EPA 608	9B20074	0.0038	0.0094	ND	0.943	02/20/09	02/22/09	
delta-BHC	EPA 608	9B20074	0.0033	0.0047	ND	0.943	02/20/09	02/22/09	
Dieldrin	EPA 608	9B20074	0.0019	0.0047	ND	0.943	02/20/09	02/22/09	
Endosulfan I	EPA 608	9B20074	0.0019	0.0047	ND	0.943	02/20/09	02/22/09	
Endosulfan II	EPA 608	9B20074	0.0028	0.0047	ND	0.943	02/20/09	02/22/09	
Endosulfan sulfate	EPA 608	9B20074	0.0028	0.0094	ND	0.943	02/20/09	02/22/09	
Endrin	EPA 608	9B20074	0.0019	0.0047	ND	0.943	02/20/09	02/22/09	
Endrin aldehyde	EPA 608	9B20074	0.0019	0.0094	ND	0.943	02/20/09	02/22/09	C
Endrin ketone	EPA 608	9B20074	0.0028	0.0094	ND	0.943	02/20/09	02/22/09	
gamma-BHC (Lindane)	EPA 608	9B20074	0.0028	0.019	ND	0.943	02/20/09	02/22/09	
Heptachlor	EPA 608	9B20074	0.0028	0.0094	ND	0.943	02/20/09	02/22/09	
Heptachlor epoxide	EPA 608	9B20074	0.0024	0.0047	ND	0.943	02/20/09	02/22/09	
Methoxychlor	EPA 608	9B20074	0.0033	0.0047	ND	0.943	02/20/09	02/22/09	
Chlordane	EPA 608	9B20074	0.038	0.094	ND	0.943	02/20/09	02/22/09	
Toxaphene	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/22/09	
Surrogate: Decachlorobiphenyl (45-120%)					*77 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*77 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*68 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*68 %*				

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Joseph Doak
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01RE1 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
4,4'-DDD	EPA 608	9B23113	0.0019	0.0047	ND	0.943	02/23/09	02/25/09	
4,4'-DDE	EPA 608	9B23113	0.0028	0.0047	ND	0.943	02/23/09	02/25/09	
4,4'-DDT	EPA 608	9B23113	0.0038	0.0094	ND	0.943	02/23/09	02/25/09	
Aldrin	EPA 608	9B23113	0.0014	0.0047	ND	0.943	02/23/09	02/25/09	
alpha-BHC	EPA 608	9B23113	0.0024	0.0094	ND	0.943	02/23/09	02/25/09	
beta-BHC	EPA 608	9B23113	0.0038	0.0094	ND	0.943	02/23/09	02/25/09	
delta-BHC	EPA 608	9B23113	0.0033	0.0047	ND	0.943	02/23/09	02/25/09	
Dieldrin	EPA 608	9B23113	0.0019	0.0047	ND	0.943	02/23/09	02/25/09	
Endosulfan I	EPA 608	9B23113	0.0019	0.0047	ND	0.943	02/23/09	02/25/09	
Endosulfan II	EPA 608	9B23113	0.0028	0.0047	ND	0.943	02/23/09	02/25/09	
Endosulfan sulfate	EPA 608	9B23113	0.0028	0.0094	ND	0.943	02/23/09	02/25/09	
Endrin	EPA 608	9B23113	0.0019	0.0047	ND	0.943	02/23/09	02/25/09	
Endrin aldehyde	EPA 608	9B23113	0.0019	0.0094	ND	0.943	02/23/09	02/25/09	
Endrin ketone	EPA 608	9B23113	0.0028	0.0094	ND	0.943	02/23/09	02/25/09	
gamma-BHC (Lindane)	EPA 608	9B23113	0.0028	0.019	ND	0.943	02/23/09	02/25/09	
Heptachlor	EPA 608	9B23113	0.0028	0.0094	ND	0.943	02/23/09	02/25/09	
Heptachlor epoxide	EPA 608	9B23113	0.0024	0.0047	ND	0.943	02/23/09	02/25/09	
Methoxychlor	EPA 608	9B23113	0.0033	0.0047	ND	0.943	02/23/09	02/25/09	
Chlordane	EPA 608	9B23113	0.038	0.094	ND	0.943	02/23/09	02/25/09	
Toxaphene	EPA 608	9B23113	0.24	0.47	ND	0.943	02/23/09	02/25/09	
Surrogate: Decachlorobiphenyl (45-120%)					*82 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*82 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*78 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*78 %*				

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
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Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
Aroclor 1016	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/21/09	
Aroclor 1221	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/21/09	
Aroclor 1232	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/21/09	
Aroclor 1242	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/21/09	
Aroclor 1248	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/21/09	
Aroclor 1254	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/21/09	
Aroclor 1260	EPA 608	9B20074	0.24	0.47	ND	0.943	02/20/09	02/21/09	
Surrogate: Decachlorobiphenyl (45-120%)					*91 %*				

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Joseph Doak
Project Manager

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MWH-Pasadena/Boeing
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Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

HEXANE EXTRACTABLE MATERIAL

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: mg/l									
Hexane Extractable Material (Oil & Grease)	EPA 1664A	9B24074	1.3	4.7	**1.5**	1	02/24/09	02/24/09	J

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Project Manager

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MWH-Pasadena/Boeing
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Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: mg/l									
Hardness as CaCO3	SM2340B	[CALC]	N/A	0.33	**39**	1	02/17/09	02/17/09	
Barium	EPA 200.7	9B17091	0.0060	0.010	**0.068**	1	02/17/09	02/17/09	
Boron	EPA 200.7	9B17091	0.020	0.050	**0.033**	1	02/17/09	02/17/09	J
Calcium	EPA 200.7	9B17091	0.050	0.10	**8.8**	1	02/17/09	02/17/09	
Iron	EPA 200.7	9B17091	0.015	0.040	**11**	1	02/17/09	02/17/09	
Magnesium	EPA 200.7	9B17091	0.012	0.020	**4.1**	1	02/17/09	02/17/09	

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Project Manager

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Sampled: 02/16/09
Received: 02/16/09

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
Arsenic	EPA 200.7	9B17091	7.0	10	**7.9**	1	02/17/09	02/17/09	J
Antimony	EPA 200.8	9B17103	0.20	2.0	**0.65**	1	02/17/09	02/18/09	J
Beryllium	EPA 200.7	9B17091	0.90	2.0	ND	1	02/17/09	02/17/09	
Chromium	EPA 200.7	9B17091	2.0	5.0	**25**	1	02/17/09	02/17/09	B
Cobalt	EPA 200.7	9B17091	2.0	10	**3.0**	1	02/17/09	02/17/09	J
Manganese	EPA 200.7	9B17091	7.0	20	**150**	1	02/17/09	02/17/09	
Nickel	EPA 200.7	9B17091	2.0	10	**14**	1	02/17/09	02/17/09	B
Cadmium	EPA 200.8	9B17103	0.11	1.0	**0.18**	1	02/17/09	02/18/09	J
Vanadium	EPA 200.7	9B17091	3.0	10	**25**	1	02/17/09	02/17/09	
Zinc	EPA 200.7	9B17091	6.0	20	**60**	1	02/17/09	02/17/09	
Copper	EPA 200.8	9B17103	0.75	2.0	**6.5**	1	02/17/09	02/18/09	
Lead	EPA 200.8	9B17103	0.30	1.0	**7.1**	1	02/17/09	02/18/09	
Selenium	EPA 200.8	9B17103	0.30	2.0	ND	1	02/17/09	02/18/09	
Silver	EPA 200.8	9B17103	0.30	1.0	ND	1	02/17/09	02/18/09	
Thallium	EPA 200.8	9B17103	0.20	1.0	ND	1	02/17/09	02/18/09	

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Joseph Doak
Project Manager

TestAmerica
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MWH-Pasadena/Boeing
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Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: mg/l									
Hardness as CaCO3	SM2340B-Diss	[CALC]	N/A	0.33	**25**	1	02/20/09	02/23/09	
Barium	EPA 200.7-Diss	9B20105	0.0060	0.010	**0.0082**	1	02/20/09	02/23/09	J
Boron	EPA 200.7-Diss	9B20105	0.020	0.050	ND	1	02/20/09	02/24/09	
Calcium	EPA 200.7-Diss	9B20105	0.050	0.10	**7.0**	1	02/20/09	02/23/09	
Iron	EPA 200.7-Diss	9B20105	0.015	0.040	**0.34**	1	02/20/09	02/23/09	
Magnesium	EPA 200.7-Diss	9B20105	0.012	0.020	**1.7**	1	02/20/09	02/23/09	

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Project Manager

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MWH-Pasadena/Boeing
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Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
Arsenic	EPA 200.7-Diss	9B20105	7.0	10	ND	1	02/20/09	02/23/09	
Antimony	EPA 200.8-Diss	9B20106	0.20	2.0	**0.58**	1	02/20/09	02/25/09	J
Beryllium	EPA 200.7-Diss	9B20105	0.90	2.0	ND	1	02/20/09	02/23/09	
Chromium	EPA 200.7-Diss	9B20105	2.0	5.0	ND	1	02/20/09	02/23/09	
Cobalt	EPA 200.7-Diss	9B20105	2.0	10	ND	1	02/20/09	02/23/09	
Manganese	EPA 200.7-Diss	9B20105	7.0	20	**23**	1	02/20/09	02/23/09	
Nickel	EPA 200.7-Diss	9B20105	2.0	10	ND	1	02/20/09	02/23/09	
Cadmium	EPA 200.8-Diss	9B20106	0.11	1.0	ND	1	02/20/09	02/23/09	C
Vanadium	EPA 200.7-Diss	9B20105	3.0	10	ND	1	02/20/09	02/23/09	
Zinc	EPA 200.7-Diss	9B20105	6.0	20	ND	1	02/20/09	02/23/09	
Copper	EPA 200.8-Diss	9B20106	0.75	2.0	**1.7**	1	02/20/09	02/23/09	J
Lead	EPA 200.8-Diss	9B20106	0.30	1.0	ND	1	02/20/09	02/23/09	
Selenium	EPA 200.8-Diss	9B20106	0.30	2.0	**0.48**	1	02/20/09	02/23/09	J
Silver	EPA 200.8-Diss	9B20106	0.30	1.0	ND	1	02/20/09	02/23/09	
Thallium	EPA 200.8-Diss	9B20106	0.20	1.0	ND	1	02/20/09	02/23/09	C

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MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: mg/l									
Ammonia-N (Distilled)	SM4500NH3-C	9B24128	0.50	0.50	**0.56**	1	02/24/09	02/24/09	
Biochemical Oxygen Demand	SM5210B	9B17161	0.50	2.0	**2.1**	1	02/17/09	02/22/09	
Chloride	EPA 300.0	9B16057	0.25	0.50	**12**	1	02/16/09	02/17/09	
Fluoride	SM 4500-F-C	9B17074	0.020	0.10	**0.12**	1	02/17/09	02/17/09	B
Nitrate-N	EPA 300.0	9B16057	0.060	0.11	**0.97**	1	02/16/09	02/17/09	
Nitrite-N	EPA 300.0	9B16057	0.090	0.15	ND	1	02/16/09	02/17/09	
Nitrate/Nitrite-N	EPA 300.0	9B16057	0.15	0.26	**0.97**	1	02/16/09	02/17/09	
Residual Chlorine	EPA 330.5	9B17105	0.10	0.10	ND	1	02/17/09	02/17/09	HFT
Sulfate	EPA 300.0	9B16057	0.20	0.50	**4.3**	1	02/16/09	02/17/09	
Surfactants (MBAS)	SM5540-C	9B17098	0.025	0.10	ND	1	02/17/09	02/17/09	
Total Dissolved Solids	SM2540C	9B18065	10	10	**77**	1	02/18/09	02/18/09	
Total Organic Carbon	SM5310B	9B24001	0.50	1.0	**5.9**	1	02/24/09	02/24/09	
Total Suspended Solids	SM 2540D	9B21068	1.0	10	**160**	1	02/21/09	02/21/09	

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Joseph Doak
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ml/l									
Total Settleable Solids	SM2540F	9B17065	0.10	0.10	ND	1	02/17/09	02/17/09	pHa

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	9B17067	0.40	10	**210**	10	02/17/09	02/17/09	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/l									
Chromium VI	EPA 218.6	9B16073	0.25	1.0	ND	1	02/16/09	02/16/09	
Perchlorate	EPA 314.0	9B17060	0.90	1.0	ND	1	02/17/09	02/17/09	
Total Cyanide	SM4500-CN-C,E	9B17089	2.2	5.0	ND	1	02/17/09	02/17/09	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: umhos/cm									
Specific Conductance	EPA 120.1	9B18054	1.0	1.0	**85**	1	02/18/09	02/18/09	

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CFR136A 608

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/L									
alpha-BHC	CFR136A 608	9064381	0.0053	0.05	ND	1	03/05/09	03/10/09	HTV
Surrogate: Decachlorobiphenyl (32-144%)					*59 %*				
Surrogate: Tetrachloro-m-xylene (52-117%)					*88 %*				

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MCAWW 245.1

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/L									
Mercury	MCAWW 245.1	9050174	0.027	0.2	ND	1	02/19/09	02/19/09	

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MCAWW 245.1-DISS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB1802-01 (Outfall 011 - Water) - cont.									
Reporting Units: ug/L									
Mercury	MCAWW 245.1-DISS	9050182	0.027	0.2	ND	1	02/19/09	02/19/09	

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Sampled: 02/16/09
Received: 02/16/09

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Outfall 011 (ISB1802-01) - Water					
EPA 180.1	2	02/16/2009 14:30	02/16/2009 19:00	02/17/2009 09:30	02/17/2009 12:55
EPA 218.6	1	02/16/2009 14:30	02/16/2009 19:00	02/16/2009 21:30	02/16/2009 22:18
EPA 300.0	2	02/16/2009 14:30	02/16/2009 19:00	02/16/2009 16:00	02/17/2009 02:24
EPA 330.5	1	02/16/2009 14:30	02/16/2009 19:00	02/17/2009 12:30	02/17/2009 12:30
EPA 624	3	02/16/2009 14:30	02/16/2009 19:00	02/19/2009 00:00	02/19/2009 14:08
Filtration	1	02/16/2009 14:30	02/16/2009 19:00	02/17/2009 00:29	02/17/2009 00:33
SM2540F	2	02/16/2009 14:30	02/16/2009 19:00	02/17/2009 09:45	02/17/2009 09:45
SM5210B	2	02/16/2009 14:30	02/16/2009 19:00	02/17/2009 23:16	02/22/2009 11:00
SM5540-C	2	02/16/2009 14:30	02/16/2009 19:00	02/17/2009 18:19	02/17/2009 22:59
Sample ID: Trip Blanks (ISB1802-02) - Water					
EPA 624	3	02/16/2009 16:15	02/16/2009 19:00	02/18/2009 00:00	02/18/2009 15:11

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Joseph Doak
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

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METHOD BLANK/QC DATA

EXTRACTABLE FUEL HYDROCARBONS (CADHS/8015 Modified)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B19076 Extracted: 02/19/09											
Blank Analyzed: 02/19/2009 (9B19076-BLK1)											
DRO (C13 - C28)	ND	0.10	0.050	mg/l							
EFH (C10 - C28)	ND	0.10	0.050	mg/l							
Surrogate: n-Octacosane	*0.106*			*mg/l*	*0.200*		*53*	*40-125*			
LCS Analyzed: 02/19/2009 (9B19076-BS1)											**MNR1**
EFH (C10 - C28)	0.498	0.10	0.050	mg/l	1.00		50	40-115			
Surrogate: n-Octacosane	*0.129*			*mg/l*	*0.200*		*65*	*40-125*			
LCS Dup Analyzed: 02/19/2009 (9B19076-BSD1)											
EFH (C10 - C28)	0.575	0.10	0.050	mg/l	1.00		58	40-115	14	25	
Surrogate: n-Octacosane	*0.144*			*mg/l*	*0.200*		*72*	*40-125*			

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Project Manager

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/CADHS Mod. 8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21002 Extracted: 02/21/09											
Blank Analyzed: 02/21/2009 (9B21002-BLK1)											
GRO (C4 - C12)	ND	0.10	0.025	mg/l							
Surrogate: 4-BFB (FID)	*0.00986*			*mg/l*	*0.0100*		*99*	*65-140*			
LCS Analyzed: 02/21/2009 (9B21002-BS1)											
GRO (C4 - C12)	0.814	0.10	0.025	mg/l	0.800		102	80-120			
Surrogate: 4-BFB (FID)	*0.0138*			*mg/l*	*0.0100*		*138*	*65-140*			
Matrix Spike Analyzed: 02/21/2009 (9B21002-MS1)						**Source: ISB1906-03**					
GRO (C4 - C12)	0.270	0.10	0.025	mg/l	0.220	0.0336	107	65-140			
Surrogate: 4-BFB (FID)	*0.0119*			*mg/l*	*0.0100*		*119*	*65-140*			
Matrix Spike Dup Analyzed: 02/21/2009 (9B21002-MSD1)						**Source: ISB1906-03**					
GRO (C4 - C12)	0.275	0.10	0.025	mg/l	0.220	0.0336	110	65-140	2	20	
Surrogate: 4-BFB (FID)	*0.0126*			*mg/l*	*0.0100*		*126*	*65-140*			

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Project Manager

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METHOD BLANK/QC DATA

PURGEABLES BY GC/MS (EPA 624)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17010 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17010-BLK1)											
Benzene	ND	0.50	0.28	ug/l							
Bromodichloromethane	ND	0.50	0.30	ug/l							
Bromoform	ND	0.50	0.40	ug/l							
Bromomethane	ND	1.0	0.42	ug/l							
Carbon tetrachloride	ND	0.50	0.28	ug/l							
Chlorobenzene	ND	0.50	0.36	ug/l							
Chloroethane	ND	1.0	0.40	ug/l							
Chloroform	ND	0.50	0.33	ug/l							
Chloromethane	ND	0.50	0.40	ug/l							
Dibromochloromethane	ND	0.50	0.40	ug/l							
1,2-Dichlorobenzene	ND	0.50	0.32	ug/l							
1,3-Dichlorobenzene	ND	0.50	0.35	ug/l							
1,4-Dichlorobenzene	ND	0.50	0.37	ug/l							
1,1-Dichloroethane	ND	0.50	0.40	ug/l							
1,2-Dichloroethane	ND	0.50	0.28	ug/l							
1,1-Dichloroethene	ND	0.50	0.42	ug/l							
trans-1,2-Dichloroethene	ND	0.50	0.30	ug/l							
1,2-Dichloropropane	ND	0.50	0.35	ug/l							
cis-1,3-Dichloropropene	ND	0.50	0.22	ug/l							
trans-1,3-Dichloropropene	ND	0.50	0.32	ug/l							
Ethylbenzene	ND	0.50	0.25	ug/l							
Methylene chloride	ND	1.0	0.95	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	0.30	ug/l							
Tetrachloroethene	ND	0.50	0.32	ug/l							
Toluene	ND	0.50	0.36	ug/l							
1,1,1-Trichloroethane	ND	0.50	0.30	ug/l							
1,1,2-Trichloroethane	ND	0.50	0.30	ug/l							
Trichloroethene	ND	0.50	0.26	ug/l							
Trichlorofluoromethane	ND	0.50	0.34	ug/l							
Trichlorotrifluoroethane (Freon 113)	ND	5.0	0.50	ug/l							
Vinyl chloride	ND	0.50	0.40	ug/l							
Xylenes, Total	ND	1.5	0.90	ug/l							
Surrogate: 4-Bromofluorobenzene	*22.4*			*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*23.9*			*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*23.9*			*ug/l*	*25.0*		*96*	*80-120*			

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METHOD BLANK/QC DATA

PURGEABLES BY GC/MS (EPA 624)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17010 Extracted: 02/17/09											
LCS Analyzed: 02/17/2009 (9B17010-BS1)											
Benzene	26.4	0.50	0.28	ug/l	25.0		106	70-120			
Bromodichloromethane	29.0	0.50	0.30	ug/l	25.0		116	70-135			
Bromoform	26.1	0.50	0.40	ug/l	25.0		104	55-130			
Bromomethane	28.1	1.0	0.42	ug/l	25.0		112	65-140			
Carbon tetrachloride	32.2	0.50	0.28	ug/l	25.0		129	65-140			
Chlorobenzene	25.0	0.50	0.36	ug/l	25.0		100	75-120			
Chloroethane	29.0	1.0	0.40	ug/l	25.0		116	60-140			
Chloroform	25.9	0.50	0.33	ug/l	25.0		104	70-130			
Chloromethane	27.8	0.50	0.40	ug/l	25.0		111	50-140			
Dibromochloromethane	28.0	0.50	0.40	ug/l	25.0		112	70-140			
1,2-Dichlorobenzene	24.6	0.50	0.32	ug/l	25.0		98	75-120			
1,3-Dichlorobenzene	25.0	0.50	0.35	ug/l	25.0		100	75-120			
1,4-Dichlorobenzene	22.5	0.50	0.37	ug/l	25.0		90	75-120			
1,1-Dichloroethane	26.9	0.50	0.40	ug/l	25.0		108	70-125			
1,2-Dichloroethane	24.9	0.50	0.28	ug/l	25.0		99	60-140			
1,1-Dichloroethene	25.6	0.50	0.42	ug/l	25.0		103	70-125			
trans-1,2-Dichloroethene	22.0	0.50	0.30	ug/l	25.0		88	70-125			
1,2-Dichloropropane	27.4	0.50	0.35	ug/l	25.0		109	70-125			
cis-1,3-Dichloropropene	32.9	0.50	0.22	ug/l	25.0		132	75-125			*L*
trans-1,3-Dichloropropene	26.1	0.50	0.32	ug/l	25.0		104	70-125			
Ethylbenzene	26.5	0.50	0.25	ug/l	25.0		106	75-125			
Methylene chloride	25.1	1.0	0.95	ug/l	25.0		101	55-130			
1,1,2,2-Tetrachloroethane	27.9	0.50	0.30	ug/l	25.0		112	55-130			
Tetrachloroethene	26.2	0.50	0.32	ug/l	25.0		105	70-125			
Toluene	27.0	0.50	0.36	ug/l	25.0		108	70-120			
1,1,1-Trichloroethane	28.3	0.50	0.30	ug/l	25.0		113	65-135			
1,1,2-Trichloroethane	26.4	0.50	0.30	ug/l	25.0		106	70-125			
Trichloroethene	25.2	0.50	0.26	ug/l	25.0		101	70-125			
Trichlorofluoromethane	25.8	0.50	0.34	ug/l	25.0		103	65-145			
Vinyl chloride	26.9	0.50	0.40	ug/l	25.0		108	55-135			
Xylenes, Total	79.8	1.5	0.90	ug/l	75.0		106	70-125			
Surrogate: 4-Bromofluorobenzene	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Dibromofluoromethane	*24.0*			*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
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METHOD BLANK/QC DATA

PURGEABLES BY GC/MS (EPA 624)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17010 Extracted: 02/17/09											
Matrix Spike Analyzed: 02/17/2009 (9B17010-MS1)						**Source: ISB1785-01**					
Benzene	27.6	0.50	0.28	ug/l	25.0	0.840	107	65-125			
Bromodichloromethane	31.1	0.50	0.30	ug/l	25.0	1.21	120	70-135			
Bromoform	28.0	0.50	0.40	ug/l	25.0	ND	112	55-135			
Bromomethane	28.6	1.0	0.42	ug/l	25.0	ND	114	55-145			
Carbon tetrachloride	31.0	0.50	0.28	ug/l	25.0	ND	124	65-140			
Chlorobenzene	25.7	0.50	0.36	ug/l	25.0	ND	103	75-125			
Chloroethane	29.0	1.0	0.40	ug/l	25.0	ND	116	55-140			
Chloroform	44.7	0.50	0.33	ug/l	25.0	19.2	102	65-135			
Chloromethane	29.1	0.50	0.40	ug/l	25.0	ND	116	45-145			
Dibromochloromethane	31.1	0.50	0.40	ug/l	25.0	0.980	120	65-140			
1,2-Dichlorobenzene	25.2	0.50	0.32	ug/l	25.0	ND	101	75-125			
1,3-Dichlorobenzene	24.9	0.50	0.35	ug/l	25.0	ND	100	75-125			
1,4-Dichlorobenzene	23.0	0.50	0.37	ug/l	25.0	ND	92	75-125			
1,1-Dichloroethane	28.5	0.50	0.40	ug/l	25.0	ND	114	65-130			
1,2-Dichloroethane	28.9	0.50	0.28	ug/l	25.0	2.41	106	60-140			
1,1-Dichloroethene	26.8	0.50	0.42	ug/l	25.0	ND	107	60-130			
trans-1,2-Dichloroethene	22.7	0.50	0.30	ug/l	25.0	ND	91	65-130			
1,2-Dichloropropane	28.7	0.50	0.35	ug/l	25.0	ND	115	65-130			
cis-1,3-Dichloropropene	34.2	0.50	0.22	ug/l	25.0	ND	137	70-130			*M7*
trans-1,3-Dichloropropene	28.0	0.50	0.32	ug/l	25.0	ND	112	65-135			
Ethylbenzene	26.8	0.50	0.25	ug/l	25.0	ND	107	65-130			
Methylene chloride	27.2	1.0	0.95	ug/l	25.0	ND	109	50-135			
1,1,2,2-Tetrachloroethane	29.3	0.50	0.30	ug/l	25.0	ND	117	55-135			
Tetrachloroethene	25.5	0.50	0.32	ug/l	25.0	ND	102	65-130			
Toluene	27.3	0.50	0.36	ug/l	25.0	ND	109	70-125			
1,1,1-Trichloroethane	28.4	0.50	0.30	ug/l	25.0	ND	114	65-140			
1,1,2-Trichloroethane	28.4	0.50	0.30	ug/l	25.0	ND	114	65-130			
Trichloroethene	24.6	0.50	0.26	ug/l	25.0	ND	98	65-125			
Trichlorofluoromethane	25.6	0.50	0.34	ug/l	25.0	ND	102	60-145			
Vinyl chloride	27.2	0.50	0.40	ug/l	25.0	ND	109	45-140			
Xylenes, Total	81.5	1.5	0.90	ug/l	75.0	ND	109	60-130			
Surrogate: 4-Bromofluorobenzene	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			

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Joseph Doak
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

PURGEABLES BY GC/MS (EPA 624)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17010 Extracted: 02/17/09											
Matrix Spike Dup Analyzed: 02/17/2009 (9B17010-MSD1)						**Source: ISB1785-01**					
Benzene	27.7	0.50	0.28	ug/l	25.0	0.840	108	65-125	1	20	
Bromodichloromethane	30.2	0.50	0.30	ug/l	25.0	1.21	116	70-135	3	20	
Bromoform	26.4	0.50	0.40	ug/l	25.0	ND	106	55-135	6	25	
Bromomethane	27.5	1.0	0.42	ug/l	25.0	ND	110	55-145	4	25	
Carbon tetrachloride	30.3	0.50	0.28	ug/l	25.0	ND	121	65-140	2	25	
Chlorobenzene	25.2	0.50	0.36	ug/l	25.0	ND	101	75-125	2	20	
Chloroethane	28.7	1.0	0.40	ug/l	25.0	ND	115	55-140	1	25	
Chloroform	43.9	0.50	0.33	ug/l	25.0	19.2	99	65-135	2	20	
Chloromethane	27.8	0.50	0.40	ug/l	25.0	ND	111	45-145	5	25	
Dibromochloromethane	29.3	0.50	0.40	ug/l	25.0	0.980	113	65-140	6	25	
1,2-Dichlorobenzene	24.6	0.50	0.32	ug/l	25.0	ND	98	75-125	2	20	
1,3-Dichlorobenzene	24.8	0.50	0.35	ug/l	25.0	ND	99	75-125	1	20	
1,4-Dichlorobenzene	22.4	0.50	0.37	ug/l	25.0	ND	90	75-125	2	20	
1,1-Dichloroethane	28.1	0.50	0.40	ug/l	25.0	ND	112	65-130	2	20	
1,2-Dichloroethane	27.1	0.50	0.28	ug/l	25.0	2.41	99	60-140	6	20	
1,1-Dichloroethene	26.1	0.50	0.42	ug/l	25.0	ND	104	60-130	3	20	
trans-1,2-Dichloroethene	22.8	0.50	0.30	ug/l	25.0	ND	91	65-130	0	20	
1,2-Dichloropropane	29.4	0.50	0.35	ug/l	25.0	ND	118	65-130	2	20	
cis-1,3-Dichloropropene	34.4	0.50	0.22	ug/l	25.0	ND	137	70-130	0	20	*M7*
trans-1,3-Dichloropropene	27.5	0.50	0.32	ug/l	25.0	ND	110	65-135	2	25	
Ethylbenzene	25.6	0.50	0.25	ug/l	25.0	ND	103	65-130	4	20	
Methylene chloride	26.5	1.0	0.95	ug/l	25.0	ND	106	50-135	2	20	
1,1,2,2-Tetrachloroethane	28.6	0.50	0.30	ug/l	25.0	ND	114	55-135	2	30	
Tetrachloroethene	25.7	0.50	0.32	ug/l	25.0	ND	103	65-130	1	20	
Toluene	27.6	0.50	0.36	ug/l	25.0	ND	110	70-125	1	20	
1,1,1-Trichloroethane	27.5	0.50	0.30	ug/l	25.0	ND	110	65-140	3	20	
1,1,2-Trichloroethane	27.9	0.50	0.30	ug/l	25.0	ND	112	65-130	2	25	
Trichloroethene	25.0	0.50	0.26	ug/l	25.0	ND	100	65-125	1	20	
Trichlorofluoromethane	24.7	0.50	0.34	ug/l	25.0	ND	99	60-145	4	25	
Vinyl chloride	24.3	0.50	0.40	ug/l	25.0	ND	97	45-140	11	30	
Xylenes, Total	78.5	1.5	0.90	ug/l	75.0	ND	105	60-130	4	20	
Surrogate: 4-Bromofluorobenzene	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*24.6*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

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METHOD BLANK/QC DATA

PURGEABLES-- GC/MS (EPA 624)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B18010 Extracted: 02/18/09											
Blank Analyzed: 02/18/2009 (9B18010-BLK1)											
Acrolein	ND	5.0	4.0	ug/l							
Acrylonitrile	ND	2.0	0.70	ug/l							
2-Chloroethyl vinyl ether	ND	5.0	1.8	ug/l							
Surrogate: 4-Bromofluorobenzene	*21.7*			*ug/l*	*25.0*		*87*	*80-120*			
Surrogate: Dibromofluoromethane	*22.1*			*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Toluene-d8	*23.6*			*ug/l*	*25.0*		*95*	*80-120*			
LCS Analyzed: 02/18/2009 (9B18010-BS1)											
2-Chloroethyl vinyl ether	23.9	5.0	1.8	ug/l	25.0		95	25-170			
Surrogate: 4-Bromofluorobenzene	*22.6*			*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*			*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*23.7*			*ug/l*	*25.0*		*95*	*80-120*			
Matrix Spike Analyzed: 02/18/2009 (9B18010-MS1)						**Source: ISB1785-01**					
2-Chloroethyl vinyl ether	26.3	5.0	1.8	ug/l	25.0	ND	105	25-170			
Surrogate: 4-Bromofluorobenzene	*22.8*			*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.1*			*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 02/18/2009 (9B18010-MSD1)						**Source: ISB1785-01**					
2-Chloroethyl vinyl ether	24.8	5.0	1.8	ug/l	25.0	ND	99	25-170	6	25	
Surrogate: 4-Bromofluorobenzene	*22.7*			*ug/l*	*25.0*		*91*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.2*			*ug/l*	*25.0*		*97*	*80-120*			
Batch: 9B19003 Extracted: 02/19/09											
Blank Analyzed: 02/19/2009 (9B19003-BLK1)											
Acrolein	ND	5.0	4.0	ug/l							
Acrylonitrile	ND	2.0	0.70	ug/l							
2-Chloroethyl vinyl ether	ND	5.0	1.8	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*23.5*			*ug/l*	*25.0*		*94*	*80-120*			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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METHOD BLANK/QC DATA

PURGEABLES-- GC/MS (EPA 624)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B19003 Extracted: 02/19/09											
LCS Analyzed: 02/19/2009 (9B19003-BS1)											
2-Chloroethyl vinyl ether	24.9	5.0	1.8	ug/l	25.0		100	25-170			
Surrogate: 4-Bromofluorobenzene	*25.9*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Analyzed: 02/19/2009 (9B19003-MS1)						**Source: ISB2088-01**					
2-Chloroethyl vinyl ether	ND	5.0	1.8	ug/l	25.0	ND		25-170			*M13*
Surrogate: 4-Bromofluorobenzene	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*23.7*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*23.9*			*ug/l*	*25.0*		*96*	*80-120*			
Matrix Spike Dup Analyzed: 02/19/2009 (9B19003-MSD1)						**Source: ISB2088-01**					
2-Chloroethyl vinyl ether	ND	5.0	1.8	ug/l	25.0	ND		25-170		25	*M13*
Surrogate: 4-Bromofluorobenzene	*24.4*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*23.4*			*ug/l*	*25.0*		*94*	*80-120*			
Surrogate: Toluene-d8	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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METHOD BLANK/QC DATA

PURGEABLES BY GC/MS, TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17010 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17010-BLK1)											
Cyclohexane	ND	2.5	N/A	ug/l							
freon 123a	ND	2.5	N/A	ug/l							

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Joseph Doak
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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METHOD BLANK/QC DATA

1,4-DIOXANE BY DIRECT INJECTION GCMS - SINGLE ION MONITORING (SIM)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B19013 Extracted: 02/19/09											
Blank Analyzed: 02/19/2009 (9B19013-BLK1)											
1,4-Dioxane	ND	2.0	1.0	ug/l							
Surrogate: Dibromofluoromethane	*0.990*			*ug/l*	*1.00*		*99*	*80-120*			
LCS Analyzed: 02/19/2009 (9B19013-BS1)											
1,4-Dioxane	11.0	2.0	1.0	ug/l	10.0		110	70-125			
Surrogate: Dibromofluoromethane	*1.03*			*ug/l*	*1.00*		*103*	*80-120*			
Matrix Spike Analyzed: 02/19/2009 (9B19013-MS1)						**Source: ISB1803-01**					
1,4-Dioxane	11.7	2.0	1.0	ug/l	10.0	ND	117	70-130			
Surrogate: Dibromofluoromethane	*1.03*			*ug/l*	*1.00*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 02/19/2009 (9B19013-MSD1)						**Source: ISB1803-01**					
1,4-Dioxane	10.7	2.0	1.0	ug/l	10.0	ND	107	70-130	10	30	
Surrogate: Dibromofluoromethane	*1.01*			*ug/l*	*1.00*		*101*	*80-120*			

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Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
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METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21046 Extracted: 02/21/09											
Blank Analyzed: 02/24/2009 (9B21046-BLK1)											
Acenaphthene	ND	0.50	0.10	ug/l							
Acenaphthylene	ND	0.50	0.10	ug/l							
Aniline	ND	10	0.30	ug/l							
Anthracene	ND	0.50	0.10	ug/l							
Benzidine	ND	5.0	N/A	ug/l							
Benzo(a)anthracene	ND	5.0	0.10	ug/l							
Benzo(a)pyrene	ND	2.0	0.10	ug/l							
Benzo(b)fluoranthene	ND	2.0	0.10	ug/l							
Benzo(g,h,i)perylene	0.400	5.0	0.10	ug/l							*J*
Benzo(k)fluoranthene	ND	0.50	0.10	ug/l							
Benzoic acid	ND	20	3.0	ug/l							
Benzyl alcohol	ND	5.0	0.10	ug/l							
4-Bromophenyl phenyl ether	ND	1.0	0.10	ug/l							
Butyl benzyl phthalate	1.04	5.0	0.70	ug/l							*J*
4-Chloro-3-methylphenol	ND	2.0	0.20	ug/l							
4-Chloroaniline	ND	2.0	0.10	ug/l							
Bis(2-chloroethoxy)methane	ND	0.50	0.10	ug/l							
Bis(2-chloroethyl)ether	ND	0.50	0.10	ug/l							
Bis(2-chloroisopropyl)ether	ND	0.50	0.10	ug/l							
Bis(2-ethylhexyl)phthalate	ND	5.0	1.7	ug/l							
2-Chloronaphthalene	ND	0.50	0.10	ug/l							
2-Chlorophenol	ND	1.0	0.20	ug/l							
4-Chlorophenyl phenyl ether	ND	0.50	0.10	ug/l							
Chrysene	ND	0.50	0.10	ug/l							
Dibenz(a,h)anthracene	ND	0.50	0.10	ug/l							
Dibenzofuran	ND	0.50	0.10	ug/l							
Di-n-butyl phthalate	ND	2.0	0.20	ug/l							
1,2-Dichlorobenzene	ND	0.50	0.10	ug/l							
1,3-Dichlorobenzene	ND	0.50	0.10	ug/l							
1,4-Dichlorobenzene	ND	0.50	0.20	ug/l							
3,3'-Dichlorobenzidine	ND	5.0	N/A	ug/l							
2,4-Dichlorophenol	ND	2.0	0.20	ug/l							
Diethyl phthalate	ND	1.0	0.10	ug/l							
2,4-Dimethylphenol	ND	2.0	0.30	ug/l							
Dimethyl phthalate	ND	0.50	0.10	ug/l							

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21046 Extracted: 02/21/09											
Blank Analyzed: 02/24/2009 (9B21046-BLK1)											
4,6-Dinitro-2-methylphenol	ND	5.0	0.20	ug/l							
2,4-Dinitrophenol	ND	5.0	0.90	ug/l							
2,4-Dinitrotoluene	ND	5.0	0.20	ug/l							
2,6-Dinitrotoluene	ND	5.0	0.10	ug/l							
Di-n-octyl phthalate	ND	5.0	0.10	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	1.0	0.10	ug/l							
Fluoranthene	ND	0.50	0.10	ug/l							
Fluorene	ND	0.50	0.10	ug/l							
Hexachlorobenzene	ND	1.0	0.10	ug/l							
Hexachlorobutadiene	ND	2.0	0.20	ug/l							
Hexachlorocyclopentadiene	ND	5.0	0.10	ug/l							
Hexachloroethane	ND	3.0	0.20	ug/l							
Indeno(1,2,3-cd)pyrene	0.240	2.0	0.10	ug/l							*J*
Isophorone	ND	1.0	0.10	ug/l							
2-Methylnaphthalene	ND	1.0	0.10	ug/l							
2-Methylphenol	ND	2.0	0.10	ug/l							
4-Methylphenol	ND	5.0	0.20	ug/l							
Naphthalene	ND	1.0	0.10	ug/l							
2-Nitroaniline	ND	5.0	0.10	ug/l							
3-Nitroaniline	ND	5.0	0.20	ug/l							
4-Nitroaniline	ND	5.0	0.50	ug/l							
Nitrobenzene	ND	1.0	0.10	ug/l							
2-Nitrophenol	ND	2.0	0.10	ug/l							
4-Nitrophenol	ND	5.0	2.5	ug/l							
N-Nitroso-di-n-propylamine	ND	2.0	0.10	ug/l							
N-Nitrosodimethylamine	ND	2.0	0.10	ug/l							
N-Nitrosodiphenylamine	ND	1.0	0.10	ug/l							
Pentachlorophenol	ND	2.0	0.10	ug/l							
Phenanthrene	ND	0.50	0.10	ug/l							
Phenol	ND	1.0	0.30	ug/l							
Pyrene	ND	0.50	0.10	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	0.10	ug/l							
2,4,5-Trichlorophenol	ND	2.0	0.20	ug/l							
2,4,6-Trichlorophenol	ND	1.0	0.10	ug/l							
Surrogate: 2,4,6-Tribromophenol	*13.8*			*ug/l*	*20.0*		*69*	*40-120*			

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
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Attention: Bronwyn Kelly

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Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21046 Extracted: 02/21/09											
Blank Analyzed: 02/24/2009 (9B21046-BLK1)											
Surrogate: 2-Fluorobiphenyl	*9.04*			*ug/l*	*10.0*		*90*	*50-120*			
Surrogate: 2-Fluorophenol	*15.3*			*ug/l*	*20.0*		*76*	*30-120*			
Surrogate: Nitrobenzene-d5	*7.86*			*ug/l*	*10.0*		*79*	*45-120*			
Surrogate: Phenol-d6	*15.6*			*ug/l*	*20.0*		*78*	*35-120*			
Surrogate: Terphenyl-d14	*10.4*			*ug/l*	*10.0*		*104*	*50-125*			
LCS Analyzed: 02/24/2009 (9B21046-BS1)											**MNR1**
Acenaphthene	6.62	0.50	0.10	ug/l	10.0		66	60-120			
Acenaphthylene	6.70	0.50	0.10	ug/l	10.0		67	60-120			
Aniline	8.40	10	0.30	ug/l	10.0		84	35-120			*J*
Anthracene	7.20	0.50	0.10	ug/l	10.0		72	65-120			
Benzidine	7.98	5.0	N/A	ug/l	10.0		80	30-160			
Benzo(a)anthracene	7.48	5.0	0.10	ug/l	10.0		75	65-120			
Benzo(a)pyrene	8.30	2.0	0.10	ug/l	10.0		83	55-130			
Benzo(b)fluoranthene	7.16	2.0	0.10	ug/l	10.0		72	55-125			
Benzo(g,h,i)perylene	8.96	5.0	0.10	ug/l	10.0		90	45-135			
Benzo(k)fluoranthene	6.86	0.50	0.10	ug/l	10.0		69	50-125			
Benzoic acid	6.80	20	3.0	ug/l	10.0		68	25-120			*J*
Benzyl alcohol	6.38	5.0	0.10	ug/l	10.0		64	50-120			
4-Bromophenyl phenyl ether	7.76	1.0	0.10	ug/l	10.0		78	60-120			
Butyl benzyl phthalate	7.56	5.0	0.70	ug/l	10.0		76	55-130			
4-Chloro-3-methylphenol	7.62	2.0	0.20	ug/l	10.0		76	60-120			
4-Chloroaniline	6.22	2.0	0.10	ug/l	10.0		62	55-120			
Bis(2-chloroethoxy)methane	6.62	0.50	0.10	ug/l	10.0		66	55-120			
Bis(2-chloroethyl)ether	6.50	0.50	0.10	ug/l	10.0		65	50-120			
Bis(2-chloroisopropyl)ether	6.40	0.50	0.10	ug/l	10.0		64	45-120			
Bis(2-ethylhexyl)phthalate	7.94	5.0	1.7	ug/l	10.0		79	65-130			
2-Chloronaphthalene	6.18	0.50	0.10	ug/l	10.0		62	60-120			
2-Chlorophenol	6.20	1.0	0.20	ug/l	10.0		62	45-120			
4-Chlorophenyl phenyl ether	6.84	0.50	0.10	ug/l	10.0		68	65-120			
Chrysene	7.12	0.50	0.10	ug/l	10.0		71	65-120			
Dibenz(a,h)anthracene	7.86	0.50	0.10	ug/l	10.0		79	50-135			
Dibenzofuran	6.92	0.50	0.10	ug/l	10.0		69	65-120			
Di-n-butyl phthalate	7.70	2.0	0.20	ug/l	10.0		77	60-125			
1,2-Dichlorobenzene	5.46	0.50	0.10	ug/l	10.0		55	40-120			
1,3-Dichlorobenzene	5.04	0.50	0.10	ug/l	10.0		50	35-120			

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21046 Extracted: 02/21/09											
LCS Analyzed: 02/24/2009 (9B21046-BS1)											**MNR1**
1,4-Dichlorobenzene	5.18	0.50	0.20	ug/l	10.0		52	35-120			
3,3'-Dichlorobenzidine	5.80	5.0	N/A	ug/l	10.0		58	45-135			
2,4-Dichlorophenol	6.46	2.0	0.20	ug/l	10.0		65	55-120			
Diethyl phthalate	6.80	1.0	0.10	ug/l	10.0		68	55-120			
2,4-Dimethylphenol	5.68	2.0	0.30	ug/l	10.0		57	40-120			
Dimethyl phthalate	7.10	0.50	0.10	ug/l	10.0		71	30-120			
4,6-Dinitro-2-methylphenol	8.12	5.0	0.20	ug/l	10.0		81	45-120			
2,4-Dinitrophenol	7.58	5.0	0.90	ug/l	10.0		76	40-120			
2,4-Dinitrotoluene	6.94	5.0	0.20	ug/l	10.0		69	65-120			
2,6-Dinitrotoluene	6.82	5.0	0.10	ug/l	10.0		68	65-120			
Di-n-octyl phthalate	7.96	5.0	0.10	ug/l	10.0		80	65-135			
1,2-Diphenylhydrazine/Azobenzene	7.22	1.0	0.10	ug/l	10.0		72	60-120			
Fluoranthene	7.46	0.50	0.10	ug/l	10.0		75	60-120			
Fluorene	7.06	0.50	0.10	ug/l	10.0		71	65-120			
Hexachlorobenzene	6.90	1.0	0.10	ug/l	10.0		69	60-120			
Hexachlorobutadiene	4.78	2.0	0.20	ug/l	10.0		48	40-120			
Hexachlorocyclopentadiene	6.26	5.0	0.10	ug/l	10.0		63	25-120			
Hexachloroethane	4.80	3.0	0.20	ug/l	10.0		48	35-120			
Indeno(1,2,3-cd)pyrene	8.22	2.0	0.10	ug/l	10.0		82	45-135			
Isophorone	5.88	1.0	0.10	ug/l	10.0		59	50-120			
2-Methylnaphthalene	6.74	1.0	0.10	ug/l	10.0		67	55-120			
2-Methylphenol	6.30	2.0	0.10	ug/l	10.0		63	50-120			
4-Methylphenol	6.38	5.0	0.20	ug/l	10.0		64	50-120			
Naphthalene	6.02	1.0	0.10	ug/l	10.0		60	55-120			
2-Nitroaniline	7.14	5.0	0.10	ug/l	10.0		71	65-120			
3-Nitroaniline	7.16	5.0	0.20	ug/l	10.0		72	60-120			
4-Nitroaniline	6.96	5.0	0.50	ug/l	10.0		70	55-125			
Nitrobenzene	6.48	1.0	0.10	ug/l	10.0		65	55-120			
2-Nitrophenol	6.20	2.0	0.10	ug/l	10.0		62	50-120			
4-Nitrophenol	7.04	5.0	2.5	ug/l	10.0		70	45-120			
N-Nitroso-di-n-propylamine	6.84	2.0	0.10	ug/l	10.0		68	45-120			
N-Nitrosodimethylamine	6.54	2.0	0.10	ug/l	10.0		65	45-120			
N-Nitrosodiphenylamine	7.80	1.0	0.10	ug/l	10.0		78	60-120			
Pentachlorophenol	7.38	2.0	0.10	ug/l	10.0		74	50-120			
Phenanthrene	6.90	0.50	0.10	ug/l	10.0		69	65-120			

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21046 Extracted: 02/21/09											
LCS Analyzed: 02/24/2009 (9B21046-BS1)											**MNR1**
Phenol	6.46	1.0	0.30	ug/l	10.0		65	40-120			
Pyrene	7.34	0.50	0.10	ug/l	10.0		73	55-125			
1,2,4-Trichlorobenzene	5.36	1.0	0.10	ug/l	10.0		54	45-120			
2,4,5-Trichlorophenol	7.14	2.0	0.20	ug/l	10.0		71	55-120			
2,4,6-Trichlorophenol	7.28	1.0	0.10	ug/l	10.0		73	55-120			
Surrogate: 2,4,6-Tribromophenol	*13.6*			*ug/l*	*20.0*		*68*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*6.66*			*ug/l*	*10.0*		*67*	*50-120*			
Surrogate: 2-Fluorophenol	*11.8*			*ug/l*	*20.0*		*59*	*30-120*			
Surrogate: Nitrobenzene-d5	*6.64*			*ug/l*	*10.0*		*66*	*45-120*			
Surrogate: Phenol-d6	*12.4*			*ug/l*	*20.0*		*62*	*35-120*			
Surrogate: Terphenyl-d14	*8.10*			*ug/l*	*10.0*		*81*	*50-125*			
LCS Dup Analyzed: 02/24/2009 (9B21046-BSD1)											
Acenaphthene	7.68	0.50	0.10	ug/l	10.0		77	60-120	15	20	
Acenaphthylene	7.72	0.50	0.10	ug/l	10.0		77	60-120	14	20	
Aniline	8.34	10	0.30	ug/l	10.0		83	35-120	1	30	*J*
Anthracene	8.58	0.50	0.10	ug/l	10.0		86	65-120	17	20	
Benzidine	8.72	5.0	N/A	ug/l	10.0		87	30-160	9	35	
Benzo(a)anthracene	9.10	5.0	0.10	ug/l	10.0		91	65-120	20	20	
Benzo(a)pyrene	9.66	2.0	0.10	ug/l	10.0		97	55-130	15	25	
Benzo(b)fluoranthene	8.76	2.0	0.10	ug/l	10.0		88	55-125	20	25	
Benzo(g,h,i)perylene	9.76	5.0	0.10	ug/l	10.0		98	45-135	9	25	
Benzo(k)fluoranthene	8.24	0.50	0.10	ug/l	10.0		82	50-125	18	20	
Benzoic acid	7.98	20	3.0	ug/l	10.0		80	25-120	16	30	*J*
Benzyl alcohol	8.12	5.0	0.10	ug/l	10.0		81	50-120	24	20	*R-7*
4-Bromophenyl phenyl ether	9.08	1.0	0.10	ug/l	10.0		91	60-120	16	25	
Butyl benzyl phthalate	8.86	5.0	0.70	ug/l	10.0		89	55-130	16	20	
4-Chloro-3-methylphenol	8.56	2.0	0.20	ug/l	10.0		86	60-120	12	25	
4-Chloroaniline	8.30	2.0	0.10	ug/l	10.0		83	55-120	29	25	*R-7*
Bis(2-chloroethoxy)methane	8.32	0.50	0.10	ug/l	10.0		83	55-120	23	20	*R-7*
Bis(2-chloroethyl)ether	7.74	0.50	0.10	ug/l	10.0		77	50-120	17	20	
Bis(2-chloroisopropyl)ether	7.66	0.50	0.10	ug/l	10.0		77	45-120	18	20	
Bis(2-ethylhexyl)phthalate	9.40	5.0	1.7	ug/l	10.0		94	65-130	17	20	
2-Chloronaphthalene	7.28	0.50	0.10	ug/l	10.0		73	60-120	16	20	
2-Chlorophenol	7.40	1.0	0.20	ug/l	10.0		74	45-120	18	25	
4-Chlorophenyl phenyl ether	8.24	0.50	0.10	ug/l	10.0		82	65-120	19	20	

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Joseph Doak
Project Manager

TestAmerica
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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21046 Extracted: 02/21/09											
LCS Dup Analyzed: 02/24/2009 (9B21046-BSD1)											
Chrysene	8.42	0.50	0.10	ug/l	10.0		84	65-120	17	20	
Dibenz(a,h)anthracene	9.22	0.50	0.10	ug/l	10.0		92	50-135	16	25	
Dibenzofuran	8.40	0.50	0.10	ug/l	10.0		84	65-120	19	20	
Di-n-butyl phthalate	9.26	2.0	0.20	ug/l	10.0		93	60-125	18	20	
1,2-Dichlorobenzene	6.46	0.50	0.10	ug/l	10.0		65	40-120	17	25	
1,3-Dichlorobenzene	5.94	0.50	0.10	ug/l	10.0		59	35-120	16	25	
1,4-Dichlorobenzene	5.98	0.50	0.20	ug/l	10.0		60	35-120	14	25	
3,3'-Dichlorobenzidine	7.12	5.0	N/A	ug/l	10.0		71	45-135	20	25	
2,4-Dichlorophenol	7.76	2.0	0.20	ug/l	10.0		78	55-120	18	20	
Diethyl phthalate	8.38	1.0	0.10	ug/l	10.0		84	55-120	21	30	
2,4-Dimethylphenol	7.34	2.0	0.30	ug/l	10.0		73	40-120	25	25	
Dimethyl phthalate	8.68	0.50	0.10	ug/l	10.0		87	30-120	20	30	
4,6-Dinitro-2-methylphenol	9.90	5.0	0.20	ug/l	10.0		99	45-120	20	25	
2,4-Dinitrophenol	9.34	5.0	0.90	ug/l	10.0		93	40-120	21	25	
2,4-Dinitrotoluene	8.52	5.0	0.20	ug/l	10.0		85	65-120	20	20	
2,6-Dinitrotoluene	8.46	5.0	0.10	ug/l	10.0		85	65-120	21	20	*R-7*
Di-n-octyl phthalate	9.22	5.0	0.10	ug/l	10.0		92	65-135	15	20	
1,2-Diphenylhydrazine/Azobenzene	8.52	1.0	0.10	ug/l	10.0		85	60-120	17	25	
Fluoranthene	8.82	0.50	0.10	ug/l	10.0		88	60-120	17	20	
Fluorene	8.46	0.50	0.10	ug/l	10.0		85	65-120	18	20	
Hexachlorobenzene	8.02	1.0	0.10	ug/l	10.0		80	60-120	15	20	
Hexachlorobutadiene	5.56	2.0	0.20	ug/l	10.0		56	40-120	15	25	
Hexachlorocyclopentadiene	7.52	5.0	0.10	ug/l	10.0		75	25-120	18	30	
Hexachloroethane	5.46	3.0	0.20	ug/l	10.0		55	35-120	13	25	
Indeno(1,2,3-cd)pyrene	9.54	2.0	0.10	ug/l	10.0		95	45-135	15	25	
Isophorone	7.96	1.0	0.10	ug/l	10.0		80	50-120	30	20	*R-7*
2-Methylnaphthalene	7.94	1.0	0.10	ug/l	10.0		79	55-120	16	20	
2-Methylphenol	7.76	2.0	0.10	ug/l	10.0		78	50-120	21	20	*R-7*
4-Methylphenol	7.82	5.0	0.20	ug/l	10.0		78	50-120	20	20	
Naphthalene	7.06	1.0	0.10	ug/l	10.0		71	55-120	16	20	
2-Nitroaniline	8.56	5.0	0.10	ug/l	10.0		86	65-120	18	20	
3-Nitroaniline	8.30	5.0	0.20	ug/l	10.0		83	60-120	15	25	
4-Nitroaniline	8.76	5.0	0.50	ug/l	10.0		88	55-125	23	20	*R-7*
Nitrobenzene	7.66	1.0	0.10	ug/l	10.0		77	55-120	17	25	
2-Nitrophenol	7.36	2.0	0.10	ug/l	10.0		74	50-120	17	25	

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Joseph Doak
Project Manager

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17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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METHOD BLANK/QC DATA

ACID & BASE/NEUTRALS BY GC/MS (EPA 625)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B21046 Extracted: 02/21/09											
LCS Dup Analyzed: 02/24/2009 (9B21046-BSD1)											
4-Nitrophenol	8.86	5.0	2.5	ug/l	10.0		89	45-120	23	30	
N-Nitroso-di-n-propylamine	8.88	2.0	0.10	ug/l	10.0		89	45-120	26	20	*R-7*
N-Nitrosodimethylamine	7.60	2.0	0.10	ug/l	10.0		76	45-120	15	20	
N-Nitrosodiphenylamine	9.12	1.0	0.10	ug/l	10.0		91	60-120	16	20	
Pentachlorophenol	8.92	2.0	0.10	ug/l	10.0		89	50-120	19	25	
Phenanthrene	8.18	0.50	0.10	ug/l	10.0		82	65-120	17	20	
Phenol	7.54	1.0	0.30	ug/l	10.0		75	40-120	15	25	
Pyrene	8.76	0.50	0.10	ug/l	10.0		88	55-125	18	25	
1,2,4-Trichlorobenzene	6.38	1.0	0.10	ug/l	10.0		64	45-120	17	20	
2,4,5-Trichlorophenol	8.24	2.0	0.20	ug/l	10.0		82	55-120	14	30	
2,4,6-Trichlorophenol	8.32	1.0	0.10	ug/l	10.0		83	55-120	13	30	
Surrogate: 2,4,6-Tribromophenol	*15.9*			*ug/l*	*20.0*		*79*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*7.68*			*ug/l*	*10.0*		*77*	*50-120*			
Surrogate: 2-Fluorophenol	*13.5*			*ug/l*	*20.0*		*68*	*30-120*			
Surrogate: Nitrobenzene-d5	*7.84*			*ug/l*	*10.0*		*78*	*45-120*			
Surrogate: Phenol-d6	*14.7*			*ug/l*	*20.0*		*74*	*35-120*			
Surrogate: Terphenyl-d14	*9.44*			*ug/l*	*10.0*		*94*	*50-125*			

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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Received: 02/16/09

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B20074 Extracted: 02/20/09											
Blank Analyzed: 02/21/2009 (9B20074-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	0.00634	0.0050	0.0025	ug/l							*B, N2*
beta-BHC	ND	0.010	0.0040	ug/l							
delta-BHC	ND	0.0050	0.0035	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							
gamma-BHC (Lindane)	ND	0.020	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	0.040	ug/l							
Toxaphene	ND	0.50	0.25	ug/l							
Surrogate: Decachlorobiphenyl	*0.416*			*ug/l*	*0.500*		*83*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.380*			*ug/l*	*0.500*		*76*	*35-115*			
LCS Analyzed: 02/20/2009 (9B20074-BS1)											**MNR1**
4,4'-DDD	0.525	0.0050	0.0020	ug/l	0.500		105	55-120			
4,4'-DDE	0.489	0.0050	0.0030	ug/l	0.500		98	50-120			
4,4'-DDT	0.465	0.010	0.0040	ug/l	0.500		93	55-120			
Aldrin	0.424	0.0050	0.0015	ug/l	0.500		85	40-115			
alpha-BHC	0.494	0.0050	0.0025	ug/l	0.500		99	45-115			
beta-BHC	0.482	0.010	0.0040	ug/l	0.500		96	55-115			
delta-BHC	0.500	0.0050	0.0035	ug/l	0.500		100	55-115			
Dieldrin	0.474	0.0050	0.0020	ug/l	0.500		95	55-115			
Endosulfan I	0.438	0.0050	0.0020	ug/l	0.500		88	55-115			
Endosulfan II	0.471	0.0050	0.0030	ug/l	0.500		94	55-120			
Endosulfan sulfate	0.474	0.010	0.0030	ug/l	0.500		95	60-120			
Endrin	0.486	0.0050	0.0020	ug/l	0.500		97	55-115			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B20074 Extracted: 02/20/09											
LCS Analyzed: 02/20/2009 (9B20074-BS1)											**MNR1**
Endrin aldehyde	0.555	0.010	0.0020	ug/l	0.500		111	50-120			
Endrin ketone	0.452	0.010	0.0030	ug/l	0.500		90	55-120			
gamma-BHC (Lindane)	0.451	0.020	0.0030	ug/l	0.500		90	45-115			
Heptachlor	0.442	0.010	0.0030	ug/l	0.500		88	45-115			
Heptachlor epoxide	0.440	0.0050	0.0025	ug/l	0.500		88	55-115			
Methoxychlor	0.478	0.0050	0.0035	ug/l	0.500		96	60-120			
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 Dup Analyzed: 02/20/2009 (9B20074-BSD1)											
4,4'-DDD	0.494	0.0050	0.0020	ug/l	0.500		99	55-120	6	30	
4,4'-DDE	0.453	0.0050	0.0030	ug/l	0.500		91	50-120	8	30	
4,4'-DDT	0.438	0.010	0.0040	ug/l	0.500		88	55-120	6	30	
Aldrin	0.396	0.0050	0.0015	ug/l	0.500		79	40-115	7	30	
alpha-BHC	0.454	0.0050	0.0025	ug/l	0.500		91	45-115	9	30	
beta-BHC	0.438	0.010	0.0040	ug/l	0.500		88	55-115	10	30	
delta-BHC	0.472	0.0050	0.0035	ug/l	0.500		94	55-115	6	30	
Dieldrin	0.452	0.0050	0.0020	ug/l	0.500		90	55-115	5	30	
Endosulfan I	0.419	0.0050	0.0020	ug/l	0.500		84	55-115	4	30	
Endosulfan II	0.454	0.0050	0.0030	ug/l	0.500		91	55-120	4	30	
Endosulfan sulfate	0.453	0.010	0.0030	ug/l	0.500		91	60-120	5	30	
Endrin	0.456	0.0050	0.0020	ug/l	0.500		91	55-115	6	30	
Endrin aldehyde	0.469	0.010	0.0020	ug/l	0.500		94	50-120	17	30	
Endrin ketone	0.436	0.010	0.0030	ug/l	0.500		87	55-120	4	30	
gamma-BHC (Lindane)	0.415	0.020	0.0030	ug/l	0.500		83	45-115	8	30	
Heptachlor	0.410	0.010	0.0030	ug/l	0.500		82	45-115	8	30	
Heptachlor epoxide	0.422	0.0050	0.0025	ug/l	0.500		84	55-115	4	30	
Methoxychlor	0.449	0.0050	0.0035	ug/l	0.500		90	60-120	6	30	
Surrogate: Decachlorobiphenyl	*0.378*			*ug/l*	*0.500*		*76*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.338*			*ug/l*	*0.500*		*68*	*35-115*			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B23113 Extracted: 02/23/09											
Blank Analyzed: 02/24/2009 (9B23113-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							
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							
gamma-BHC (Lindane)	ND	0.020	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	0.040	ug/l							
Toxaphene	ND	0.50	0.25	ug/l							
Surrogate: Decachlorobiphenyl	*0.456*			*ug/l*	*0.500*		*91*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.462*			*ug/l*	*0.500*		*92*	*35-115*			
LCS Analyzed: 02/24/2009 (9B23113-BS1)											**MNR1**
4,4'-DDD	0.501	0.0050	0.0020	ug/l	0.500		100	55-120			
4,4'-DDE	0.510	0.0050	0.0030	ug/l	0.500		102	50-120			
4,4'-DDT	0.531	0.010	0.0040	ug/l	0.500		106	55-120			
Aldrin	0.470	0.0050	0.0015	ug/l	0.500		94	40-115			
alpha-BHC	0.534	0.0050	0.0025	ug/l	0.500		107	45-115			
beta-BHC	0.509	0.010	0.0040	ug/l	0.500		102	55-115			
delta-BHC	0.523	0.0050	0.0035	ug/l	0.500		105	55-115			
Dieldrin	0.493	0.0050	0.0020	ug/l	0.500		99	55-115			
Endosulfan I	0.457	0.0050	0.0020	ug/l	0.500		91	55-115			
Endosulfan II	0.492	0.0050	0.0030	ug/l	0.500		98	55-120			
Endosulfan sulfate	0.486	0.010	0.0030	ug/l	0.500		97	60-120			
Endrin	0.498	0.0050	0.0020	ug/l	0.500		100	55-115			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B23113 Extracted: 02/23/09											
LCS Analyzed: 02/24/2009 (9B23113-BS1)											**MNR1**
Endrin aldehyde	0.522	0.010	0.0020	ug/l	0.500		104	50-120			
Endrin ketone	0.469	0.010	0.0030	ug/l	0.500		94	55-120			
gamma-BHC (Lindane)	0.485	0.020	0.0030	ug/l	0.500		97	45-115			
Heptachlor	0.501	0.010	0.0030	ug/l	0.500		100	45-115			
Heptachlor epoxide	0.468	0.0050	0.0025	ug/l	0.500		94	55-115			
Methoxychlor	0.527	0.0050	0.0035	ug/l	0.500		105	60-120			
Surrogate: Decachlorobiphenyl	*0.439*			*ug/l*	*0.500*		*88*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.405*			*ug/l*	*0.500*		*81*	*35-115*			
LCS Dup Analyzed: 02/24/2009 (9B23113-BSD1)											
4,4'-DDD	0.506	0.0050	0.0020	ug/l	0.500		101	55-120	1	30	
4,4'-DDE	0.507	0.0050	0.0030	ug/l	0.500		101	50-120	1	30	
4,4'-DDT	0.530	0.010	0.0040	ug/l	0.500		106	55-120	0	30	
Aldrin	0.467	0.0050	0.0015	ug/l	0.500		93	40-115	1	30	
alpha-BHC	0.510	0.0050	0.0025	ug/l	0.500		102	45-115	5	30	
beta-BHC	0.507	0.010	0.0040	ug/l	0.500		101	55-115	0	30	
delta-BHC	0.520	0.0050	0.0035	ug/l	0.500		104	55-115	1	30	
Dieldrin	0.490	0.0050	0.0020	ug/l	0.500		98	55-115	1	30	
Endosulfan I	0.456	0.0050	0.0020	ug/l	0.500		91	55-115	0	30	
Endosulfan II	0.487	0.0050	0.0030	ug/l	0.500		97	55-120	1	30	
Endosulfan sulfate	0.488	0.010	0.0030	ug/l	0.500		98	60-120	0	30	
Endrin	0.496	0.0050	0.0020	ug/l	0.500		99	55-115	0	30	
Endrin aldehyde	0.525	0.010	0.0020	ug/l	0.500		105	50-120	1	30	
Endrin ketone	0.470	0.010	0.0030	ug/l	0.500		94	55-120	0	30	
gamma-BHC (Lindane)	0.482	0.020	0.0030	ug/l	0.500		96	45-115	1	30	
Heptachlor	0.496	0.010	0.0030	ug/l	0.500		99	45-115	1	30	
Heptachlor epoxide	0.465	0.0050	0.0025	ug/l	0.500		93	55-115	1	30	
Methoxychlor	0.532	0.0050	0.0035	ug/l	0.500		106	60-120	1	30	
Surrogate: Decachlorobiphenyl	*0.441*			*ug/l*	*0.500*		*88*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.401*			*ug/l*	*0.500*		*80*	*35-115*			

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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METHOD BLANK/QC DATA

TOTAL PCBS (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B20074 Extracted: 02/20/09											
Blank Analyzed: 02/21/2009 (9B20074-BLK1)											
Aroclor 1016	ND	0.50	0.25	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	0.25	ug/l							
Surrogate: Decachlorobiphenyl	*0.480*			*ug/l*	*0.500*		*96*	*45-120*			
LCS Analyzed: 02/20/2009 (9B20074-BS2)											**MNR1**
Aroclor 1016	3.62	0.50	0.25	ug/l	4.00		91	50-115			
Aroclor 1260	3.73	0.50	0.25	ug/l	4.00		93	60-120			
Surrogate: Decachlorobiphenyl	*0.476*			*ug/l*	*0.500*		*95*	*45-120*			
LCS Dup Analyzed: 02/20/2009 (9B20074-BSD2)											
Aroclor 1016	3.72	0.50	0.25	ug/l	4.00		93	50-115	3	30	
Aroclor 1260	3.73	0.50	0.25	ug/l	4.00		93	60-120	0	25	
Surrogate: Decachlorobiphenyl	*0.476*			*ug/l*	*0.500*		*95*	*45-120*			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
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METHOD BLANK/QC DATA

HEXANE EXTRACTABLE MATERIAL

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B24074 Extracted: 02/24/09											
Blank Analyzed: 02/24/2009 (9B24074-BLK1)											
Hexane Extractable Material (Oil & Grease)	ND	5.0	1.4	mg/l							
LCS Analyzed: 02/24/2009 (9B24074-BS1)											
Hexane Extractable Material (Oil & Grease)	19.2	5.0	1.4	mg/l	20.0		96	78-114			
LCS Dup Analyzed: 02/24/2009 (9B24074-BSD1)											
Hexane Extractable Material (Oil & Grease)	18.8	5.0	1.4	mg/l	20.0		94	78-114	2	11	
Matrix Spike Analyzed: 02/24/2009 (9B24074-MS1)						**Source: ISB2624-01**					
Hexane Extractable Material (Oil & Grease)	21.1	4.8	1.3	mg/l	19.1	3.73	90	78-114			

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Project Manager

TestAmerica
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MWH-Pasadena/Boeing
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METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17091 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17091-BLK1)											
Arsenic	ND	10	7.0	ug/l							
Barium	ND	0.010	0.0060	mg/l							
Beryllium	ND	2.0	0.90	ug/l							
Boron	ND	0.050	0.020	mg/l							
Calcium	ND	0.10	0.050	mg/l							
Chromium	4.13	5.0	2.0	ug/l							*J*
Cobalt	ND	10	2.0	ug/l							
Iron	0.0168	0.040	0.015	mg/l							*J*
Magnesium	ND	0.020	0.012	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	2.91	10	2.0	ug/l							*B, J*
Vanadium	ND	10	3.0	ug/l							
Zinc	ND	20	6.0	ug/l							
LCS Analyzed: 02/17/2009 (9B17091-BS1)											
Arsenic	499	10	7.0	ug/l	500		100	85-115			
Barium	0.531	0.010	0.0060	mg/l	0.500		106	85-115			
Beryllium	478	2.0	0.90	ug/l	500		96	85-115			
Boron	0.497	0.050	0.020	mg/l	0.500		99	85-115			
Calcium	2.41	0.10	0.050	mg/l	2.50		96	85-115			
Chromium	477	5.0	2.0	ug/l	500		95	85-115			
Cobalt	461	10	2.0	ug/l	500		92	85-115			
Iron	0.487	0.040	0.015	mg/l	0.500		97	85-115			
Magnesium	2.41	0.020	0.012	mg/l	2.50		97	85-115			
Manganese	475	20	7.0	ug/l	500		95	85-115			
Nickel	486	10	2.0	ug/l	500		97	85-115			
Vanadium	497	10	3.0	ug/l	500		99	85-115			
Zinc	482	20	6.0	ug/l	500		96	85-115			

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Project Manager

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METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17091 Extracted: 02/17/09											
Matrix Spike Analyzed: 02/17/2009 (9B17091-MS1)						**Source: ISB1812-01**					
Arsenic	552	10	7.0	ug/l	500	48.0	101	70-130			
Barium	1.81	0.010	0.0060	mg/l	0.500	1.27	108	70-130			
Beryllium	483	2.0	0.90	ug/l	500	ND	97	70-130			
Boron	2.46	0.050	0.020	mg/l	0.500	1.91	109	70-130			
Calcium	39.5	0.10	0.050	mg/l	2.50	37.3	90	70-130			*MHA*
Chromium	483	5.0	2.0	ug/l	500	6.42	95	70-130			
Cobalt	467	10	2.0	ug/l	500	ND	93	70-130			
Iron	1.36	0.040	0.015	mg/l	0.500	0.753	122	70-130			
Magnesium	14.0	0.020	0.012	mg/l	2.50	11.5	98	70-130			*MHA*
Manganese	549	20	7.0	ug/l	500	68.9	96	70-130			
Nickel	487	10	2.0	ug/l	500	9.87	95	70-130			
Vanadium	502	10	3.0	ug/l	500	ND	100	70-130			
Zinc	511	20	6.0	ug/l	500	26.8	97	70-130			
Matrix Spike Analyzed: 02/17/2009 (9B17091-MS2)						**Source: ISB1812-02**					
Arsenic	494	10	7.0	ug/l	500	ND	99	70-130			
Barium	0.841	0.010	0.0060	mg/l	0.500	0.323	104	70-130			
Beryllium	470	2.0	0.90	ug/l	500	ND	94	70-130			
Boron	1.20	0.050	0.020	mg/l	0.500	0.720	95	70-130			
Calcium	133	0.10	0.050	mg/l	2.50	133	20	70-130			*MHA*
Chromium	463	5.0	2.0	ug/l	500	4.84	92	70-130			
Cobalt	451	10	2.0	ug/l	500	ND	90	70-130			
Iron	0.961	0.040	0.015	mg/l	0.500	0.487	95	70-130			
Magnesium	35.7	0.020	0.012	mg/l	2.50	33.8	79	70-130			*MHA*
Manganese	519	20	7.0	ug/l	500	53.2	93	70-130			
Nickel	463	10	2.0	ug/l	500	4.44	92	70-130			
Vanadium	489	10	3.0	ug/l	500	3.53	97	70-130			
Zinc	511	20	6.0	ug/l	500	38.2	95	70-130			

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Joseph Doak
Project Manager

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METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17091 Extracted: 02/17/09											
Matrix Spike Dup Analyzed: 02/17/2009 (9B17091-MSD1)						**Source: ISB1812-01**					
Arsenic	545	10	7.0	ug/l	500	48.0	99	70-130	1	20	
Barium	1.78	0.010	0.0060	mg/l	0.500	1.27	101	70-130	2	20	
Beryllium	477	2.0	0.90	ug/l	500	ND	95	70-130	1	20	
Boron	2.40	0.050	0.020	mg/l	0.500	1.91	97	70-130	2	20	
Calcium	39.4	0.10	0.050	mg/l	2.50	37.3	85	70-130	0	20	*MHA*
Chromium	472	5.0	2.0	ug/l	500	6.42	93	70-130	2	20	
Cobalt	460	10	2.0	ug/l	500	ND	92	70-130	1	20	
Iron	1.25	0.040	0.015	mg/l	0.500	0.753	100	70-130	8	20	
Magnesium	13.8	0.020	0.012	mg/l	2.50	11.5	91	70-130	1	20	*MHA*
Manganese	541	20	7.0	ug/l	500	68.9	94	70-130	1	20	
Nickel	479	10	2.0	ug/l	500	9.87	94	70-130	2	20	
Vanadium	494	10	3.0	ug/l	500	ND	99	70-130	1	20	
Zinc	505	20	6.0	ug/l	500	26.8	96	70-130	1	20	
Batch: 9B17103 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17103-BLK1)											
Antimony	ND	2.0	0.20	ug/l							
Cadmium	ND	1.0	0.11	ug/l							
Copper	ND	2.0	0.75	ug/l							
Lead	ND	1.0	0.30	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							
LCS Analyzed: 02/17/2009 (9B17103-BS1)											
Antimony	76.1	2.0	0.20	ug/l	80.0		95	85-115			
Cadmium	75.4	1.0	0.11	ug/l	80.0		94	85-115			
Copper	75.3	2.0	0.75	ug/l	80.0		94	85-115			
Lead	76.5	1.0	0.30	ug/l	80.0		96	85-115			
Selenium	76.6	2.0	0.30	ug/l	80.0		96	85-115			
Silver	75.3	1.0	0.30	ug/l	80.0		94	85-115			
Thallium	68.4	1.0	0.20	ug/l	80.0		85	85-115			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17103 Extracted: 02/17/09											
Matrix Spike Analyzed: 02/17/2009 (9B17103-MS1)						**Source: ISB1211-01**					
Antimony	80.5	2.0	0.20	ug/l	80.0	0.249	100	70-130			
Cadmium	75.7	1.0	0.11	ug/l	80.0	ND	95	70-130			
Copper	74.1	2.0	0.75	ug/l	80.0	2.96	89	70-130			
Lead	76.0	1.0	0.30	ug/l	80.0	ND	95	70-130			
Selenium	81.1	2.0	0.30	ug/l	80.0	4.90	95	70-130			
Silver	73.3	1.0	0.30	ug/l	80.0	ND	92	70-130			
Thallium	68.4	1.0	0.20	ug/l	80.0	ND	85	70-130			
Matrix Spike Analyzed: 02/17/2009 (9B17103-MS2)						**Source: ISB1480-01**					
Antimony	79.8	2.0	0.20	ug/l	80.0	0.319	99	70-130			
Cadmium	75.0	1.0	0.11	ug/l	80.0	ND	94	70-130			
Copper	72.3	2.0	0.75	ug/l	80.0	2.36	87	70-130			
Lead	76.8	1.0	0.30	ug/l	80.0	1.39	94	70-130			
Selenium	76.2	2.0	0.30	ug/l	80.0	1.18	94	70-130			
Silver	72.6	1.0	0.30	ug/l	80.0	ND	91	70-130			
Thallium	67.7	1.0	0.20	ug/l	80.0	ND	85	70-130			
Matrix Spike Dup Analyzed: 02/17/2009 (9B17103-MSD1)						**Source: ISB1211-01**					
Antimony	78.4	2.0	0.20	ug/l	80.0	0.249	98	70-130	3	20	
Cadmium	74.3	1.0	0.11	ug/l	80.0	ND	93	70-130	2	20	
Copper	74.2	2.0	0.75	ug/l	80.0	2.96	89	70-130	0	20	
Lead	76.0	1.0	0.30	ug/l	80.0	ND	95	70-130	0	20	
Selenium	81.1	2.0	0.30	ug/l	80.0	4.90	95	70-130	0	20	
Silver	71.9	1.0	0.30	ug/l	80.0	ND	90	70-130	2	20	
Thallium	68.5	1.0	0.20	ug/l	80.0	ND	86	70-130	0	20	

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B20105 Extracted: 02/20/09											
Blank Analyzed: 02/21/2009-02/24/2009 (9B20105-BLK1)											
Arsenic	ND	10	7.0	ug/l							
Barium	ND	0.010	0.0060	mg/l							
Beryllium	ND	2.0	0.90	ug/l							
Boron	ND	0.050	0.020	mg/l							
Calcium	ND	0.10	0.050	mg/l							
Chromium	ND	5.0	2.0	ug/l							
Cobalt	ND	10	2.0	ug/l							
Iron	ND	0.040	0.015	mg/l							
Magnesium	ND	0.020	0.012	mg/l							
Manganese	ND	20	7.0	ug/l							
Nickel	ND	10	2.0	ug/l							
Vanadium	ND	10	3.0	ug/l							
Zinc	ND	20	6.0	ug/l							
LCS Analyzed: 02/21/2009-02/24/2009 (9B20105-BS1)											
Arsenic	490	10	7.0	ug/l	500		98	85-115			
Barium	0.492	0.010	0.0060	mg/l	0.500		98	85-115			
Beryllium	479	2.0	0.90	ug/l	500		96	85-115			
Boron	0.473	0.050	0.020	mg/l	0.500		95	85-115			
Calcium	2.54	0.10	0.050	mg/l	2.50		101	85-115			
Chromium	488	5.0	2.0	ug/l	500		98	85-115			
Cobalt	478	10	2.0	ug/l	500		96	85-115			
Iron	0.508	0.040	0.015	mg/l	0.500		102	85-115			
Magnesium	2.50	0.020	0.012	mg/l	2.50		100	85-115			
Manganese	490	20	7.0	ug/l	500		98	85-115			
Nickel	483	10	2.0	ug/l	500		97	85-115			
Vanadium	484	10	3.0	ug/l	500		97	85-115			
Zinc	477	20	6.0	ug/l	500		95	85-115			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B20105 Extracted: 02/20/09											
Matrix Spike Analyzed: 02/21/2009-02/24/2009 (9B20105-MS1)						**Source: ISB1822-01**					
Arsenic	470	10	7.0	ug/l	500	ND	94	70-130			
Barium	0.508	0.010	0.0060	mg/l	0.500	0.0401	94	70-130			
Beryllium	468	2.0	0.90	ug/l	500	ND	94	70-130			
Boron	0.525	0.050	0.020	mg/l	0.500	0.0464	96	70-130			
Calcium	73.3	0.10	0.050	mg/l	2.50	70.6	109	70-130			*MHA*
Chromium	477	5.0	2.0	ug/l	500	2.34	95	70-130			
Cobalt	468	10	2.0	ug/l	500	ND	94	70-130			
Iron	0.532	0.040	0.015	mg/l	0.500	0.0482	97	70-130			
Magnesium	49.5	0.020	0.012	mg/l	2.50	47.2	93	70-130			*MHA*
Manganese	494	20	7.0	ug/l	500	13.6	96	70-130			
Nickel	468	10	2.0	ug/l	500	2.07	93	70-130			
Vanadium	475	10	3.0	ug/l	500	ND	95	70-130			
Zinc	461	20	6.0	ug/l	500	ND	92	70-130			
Matrix Spike Analyzed: 02/21/2009-02/24/2009 (9B20105-MS2)						**Source: ISB1823-01**					
Arsenic	489	10	7.0	ug/l	500	ND	98	70-130			
Barium	0.500	0.010	0.0060	mg/l	0.500	0.0102	98	70-130			
Beryllium	479	2.0	0.90	ug/l	500	ND	96	70-130			
Boron	0.484	0.050	0.020	mg/l	0.500	0.0201	93	70-130			
Calcium	9.85	0.10	0.050	mg/l	2.50	7.36	100	70-130			
Chromium	492	5.0	2.0	ug/l	500	ND	98	70-130			
Cobalt	478	10	2.0	ug/l	500	ND	96	70-130			
Iron	1.62	0.040	0.015	mg/l	0.500	1.11	103	70-130			
Magnesium	3.78	0.020	0.012	mg/l	2.50	1.29	100	70-130			
Manganese	499	20	7.0	ug/l	500	10.0	98	70-130			
Nickel	487	10	2.0	ug/l	500	ND	97	70-130			
Vanadium	487	10	3.0	ug/l	500	3.58	97	70-130			
Zinc	478	20	6.0	ug/l	500	ND	96	70-130			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B20105 Extracted: 02/20/09											
Matrix Spike Dup Analyzed: 02/21/2009-02/24/2009 (9B20105-MSD1)						**Source: ISB1822-01**					
Arsenic	476	10	7.0	ug/l	500	ND	95	70-130	1	20	
Barium	0.516	0.010	0.0060	mg/l	0.500	0.0401	95	70-130	2	20	
Beryllium	468	2.0	0.90	ug/l	500	ND	94	70-130	0	20	
Boron	0.522	0.050	0.020	mg/l	0.500	0.0464	95	70-130	1	20	
Calcium	72.8	0.10	0.050	mg/l	2.50	70.6	90	70-130	1	20	*MHA*
Chromium	484	5.0	2.0	ug/l	500	2.34	96	70-130	1	20	
Cobalt	468	10	2.0	ug/l	500	ND	94	70-130	0	20	
Iron	0.531	0.040	0.015	mg/l	0.500	0.0482	97	70-130	0	20	
Magnesium	48.9	0.020	0.012	mg/l	2.50	47.2	70	70-130	1	20	*MHA*
Manganese	494	20	7.0	ug/l	500	13.6	96	70-130	0	20	
Nickel	474	10	2.0	ug/l	500	2.07	94	70-130	1	20	
Vanadium	475	10	3.0	ug/l	500	ND	95	70-130	0	20	
Zinc	461	20	6.0	ug/l	500	ND	92	70-130	0	20	
Batch: 9B20106 Extracted: 02/20/09											
Blank Analyzed: 02/23/2009 (9B20106-BLK1)											
Antimony	ND	2.0	0.20	ug/l							
Cadmium	ND	1.0	0.11	ug/l							
Copper	ND	2.0	0.75	ug/l							
Lead	ND	1.0	0.30	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							
LCS Analyzed: 02/23/2009 (9B20106-BS1)											
Antimony	85.1	2.0	0.20	ug/l	80.0		106	85-115			
Cadmium	83.3	1.0	0.11	ug/l	80.0		104	85-115			
Copper	78.1	2.0	0.75	ug/l	80.0		98	85-115			
Lead	83.7	1.0	0.30	ug/l	80.0		105	85-115			
Selenium	76.6	2.0	0.30	ug/l	80.0		96	85-115			
Silver	82.4	1.0	0.30	ug/l	80.0		103	85-115			
Thallium	83.4	1.0	0.20	ug/l	80.0		104	85-115			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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DISSOLVED METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B20106 Extracted: 02/20/09											
Matrix Spike Analyzed: 02/23/2009 (9B20106-MS1)						**Source: ISB1693-01**					
Antimony	85.2	2.0	0.20	ug/l	80.0	0.558	106	70-130			
Cadmium	82.0	1.0	0.11	ug/l	80.0	ND	103	70-130			
Copper	78.5	2.0	0.75	ug/l	80.0	1.32	97	70-130			
Lead	83.6	1.0	0.30	ug/l	80.0	ND	105	70-130			
Selenium	74.0	2.0	0.30	ug/l	80.0	ND	92	70-130			
Silver	79.7	1.0	0.30	ug/l	80.0	ND	100	70-130			
Thallium	83.6	1.0	0.20	ug/l	80.0	ND	105	70-130			
Matrix Spike Analyzed: 02/23/2009 (9B20106-MS2)						**Source: ISB1694-01**					
Antimony	87.7	2.0	0.20	ug/l	80.0	0.567	109	70-130			
Cadmium	82.9	1.0	0.11	ug/l	80.0	ND	104	70-130			
Copper	76.3	2.0	0.75	ug/l	80.0	1.12	94	70-130			
Lead	81.7	1.0	0.30	ug/l	80.0	ND	102	70-130			
Selenium	74.5	2.0	0.30	ug/l	80.0	ND	93	70-130			
Silver	80.1	1.0	0.30	ug/l	80.0	ND	100	70-130			
Thallium	81.6	1.0	0.20	ug/l	80.0	ND	102	70-130			
Matrix Spike Dup Analyzed: 02/23/2009 (9B20106-MSD1)						**Source: ISB1693-01**					
Antimony	88.4	2.0	0.20	ug/l	80.0	0.558	110	70-130	4	20	
Cadmium	84.3	1.0	0.11	ug/l	80.0	ND	105	70-130	3	20	
Copper	78.9	2.0	0.75	ug/l	80.0	1.32	97	70-130	0	20	
Lead	83.6	1.0	0.30	ug/l	80.0	ND	105	70-130	0	20	
Selenium	75.7	2.0	0.30	ug/l	80.0	ND	95	70-130	2	20	
Silver	82.0	1.0	0.30	ug/l	80.0	ND	102	70-130	3	20	
Thallium	83.1	1.0	0.20	ug/l	80.0	ND	104	70-130	1	20	

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B16057 Extracted: 02/16/09											
Blank Analyzed: 02/16/2009 (9B16057-BLK1)											
Chloride	ND	0.50	0.25	mg/l							
Nitrate-N	ND	0.11	0.060	mg/l							
Nitrite-N	ND	0.15	0.090	mg/l							
Nitrate/Nitrite-N	ND	0.26	0.15	mg/l							
Sulfate	ND	0.50	0.20	mg/l							
LCS Analyzed: 02/16/2009 (9B16057-BS1)											
Chloride	4.54	0.50	0.25	mg/l	5.00		91	90-110			*M-3*
Nitrate-N	1.11	0.11	0.060	mg/l	1.13		98	90-110			
Nitrite-N	1.55	0.15	0.090	mg/l	1.52		102	90-110			
Sulfate	9.13	0.50	0.20	mg/l	10.0		91	90-110			
Matrix Spike Analyzed: 02/16/2009 (9B16057-MS1)						**Source: ISB1719-03**					
Nitrate-N	4.50	0.11	0.060	mg/l	1.13	3.20	115	80-120			
Nitrite-N	2.06	0.15	0.090	mg/l	1.52	ND	136	80-120			*M1*
Sulfate	16.3	0.50	0.20	mg/l	10.0	5.12	112	80-120			
Matrix Spike Analyzed: 02/17/2009 (9B16057-MS2)						**Source: ISB1806-01**					
Chloride	13.9	0.50	0.25	mg/l	5.00	8.38	111	80-120			
Nitrate-N	1.88	0.11	0.060	mg/l	1.13	0.664	108	80-120			
Nitrite-N	1.70	0.15	0.090	mg/l	1.52	ND	112	80-120			
Sulfate	15.8	0.50	0.20	mg/l	10.0	4.54	113	80-120			
Matrix Spike Dup Analyzed: 02/16/2009 (9B16057-MSD1)						**Source: ISB1719-03**					
Nitrate-N	4.51	0.11	0.060	mg/l	1.13	3.20	116	80-120	0	20	
Nitrite-N	2.07	0.15	0.090	mg/l	1.52	ND	136	80-120	1	20	*M1*
Sulfate	16.0	0.50	0.20	mg/l	10.0	5.12	109	80-120	2	20	

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B16073 Extracted: 02/16/09											
Blank Analyzed: 02/16/2009 (9B16073-BLK1)											
Chromium VI	ND	1.0	0.25	ug/l							
LCS Analyzed: 02/16/2009 (9B16073-BS1)											
Chromium VI	50.8	1.0	0.25	ug/l	50.0		102	90-110			
Matrix Spike Analyzed: 02/16/2009 (9B16073-MS1)						**Source: ISB1796-01**					
Chromium VI	55.1	1.0	0.25	ug/l	50.0	ND	110	90-110			
Matrix Spike Dup Analyzed: 02/16/2009 (9B16073-MSD1)						**Source: ISB1796-01**					
Chromium VI	57.8	1.0	0.25	ug/l	50.0	ND	116	90-110	5	10	*M1*
Batch: 9B17060 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17060-BLK1)											
Perchlorate	ND	1.0	0.90	ug/l							
LCS Analyzed: 02/17/2009 (9B17060-BS1)											
Perchlorate	23.8	1.0	0.90	ug/l	25.0		95	85-115			
Matrix Spike Analyzed: 02/17/2009 (9B17060-MS1)						**Source: ISB1802-01**					
Perchlorate	23.9	1.0	0.90	ug/l	25.0	ND	96	80-120			
Matrix Spike Dup Analyzed: 02/17/2009 (9B17060-MSD1)						**Source: ISB1802-01**					
Perchlorate	23.1	1.0	0.90	ug/l	25.0	ND	92	80-120	3	20	
Batch: 9B17067 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17067-BLK1)											
Turbidity	ND	1.0	0.040	NTU							

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17067 Extracted: 02/17/09											
Duplicate Analyzed: 02/17/2009 (9B17067-DUP1)						**Source: ISB1815-01**					
Turbidity	20.2	1.0	0.040	NTU		20.9			3	20	
Duplicate Analyzed: 02/17/2009 (9B17067-DUP2)						**Source: ISB1831-01**					
Turbidity	430	20	0.80	NTU		440			2	20	
Batch: 9B17074 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17074-BLK1)											
Fluoride	0.0351	0.10	0.020	mg/l							*J*
LCS Analyzed: 02/17/2009 (9B17074-BS1)											
Fluoride	0.994	0.10	0.020	mg/l	1.00		99	90-110			
Matrix Spike Analyzed: 02/17/2009 (9B17074-MS1)						**Source: ISB1785-01**					
Fluoride	0.959	0.10	0.020	mg/l	1.00	0.100	86	80-120			
Matrix Spike Dup Analyzed: 02/17/2009 (9B17074-MSD1)						**Source: ISB1785-01**					
Fluoride	0.911	0.10	0.020	mg/l	1.00	0.100	81	80-120	5	20	
Batch: 9B17089 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17089-BLK1)											
Total Cyanide	ND	5.0	2.2	ug/l							
LCS Analyzed: 02/17/2009 (9B17089-BS1)											
Total Cyanide	206	5.0	2.2	ug/l	200		103	90-110			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17089 Extracted: 02/17/09											
Matrix Spike Analyzed: 02/17/2009 (9B17089-MS1)						**Source: ISB1786-01**					
Total Cyanide	206	5.0	2.2	ug/l	200	ND	103	70-115			
Matrix Spike Dup Analyzed: 02/17/2009 (9B17089-MSD1)						**Source: ISB1786-01**					
Total Cyanide	199	5.0	2.2	ug/l	200	ND	99	70-115	4	15	
Batch: 9B17098 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17098-BLK1)											
Surfactants (MBAS)	ND	0.10	0.025	mg/l							
LCS Analyzed: 02/17/2009 (9B17098-BS1)											
Surfactants (MBAS)	0.253	0.10	0.025	mg/l	0.250		101	90-110			
Matrix Spike Analyzed: 02/17/2009 (9B17098-MS1)						**Source: ISB1834-01**					
Surfactants (MBAS)	0.0697	0.10	0.025	mg/l	0.250	ND	28	50-125			*M2, J*
Matrix Spike Dup Analyzed: 02/17/2009 (9B17098-MSD1)						**Source: ISB1834-01**					
Surfactants (MBAS)	0.0709	0.10	0.025	mg/l	0.250	ND	28	50-125	2	20	*M2, J*
Batch: 9B17105 Extracted: 02/17/09											
Blank Analyzed: 02/17/2009 (9B17105-BLK1)											
Residual Chlorine	ND	0.10	0.10	mg/l							
Duplicate Analyzed: 02/17/2009 (9B17105-DUP1)						**Source: ISB1785-01**					
Residual Chlorine	ND	0.10	0.10	mg/l		ND				20	

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B17161 Extracted: 02/17/09											
Blank Analyzed: 02/22/2009 (9B17161-BLK1)											
Biochemical Oxygen Demand	ND	2.0	0.50	mg/l							
LCS Analyzed: 02/22/2009 (9B17161-BS1)											
Biochemical Oxygen Demand	178	100	25	mg/l	198		90	85-115			
LCS Dup Analyzed: 02/22/2009 (9B17161-BSD1)											
Biochemical Oxygen Demand	186	100	25	mg/l	198		94	85-115	4	20	
Batch: 9B18054 Extracted: 02/18/09											
Duplicate Analyzed: 02/18/2009 (9B18054-DUP1)						**Source: ISB1930-01**					
Specific Conductance	255	1.0	1.0	umhos/cm		257			1	5	
Duplicate Analyzed: 02/18/2009 (9B18054-DUP2)						**Source: ISB1758-01**					
Specific Conductance	326	1.0	1.0	umhos/cm		324			1	5	
Reference Analyzed: 02/18/2009 (9B18054-SRM1)											
Specific Conductance	982	1.0	1.0	umhos/cm	994		99	90-110			
Batch: 9B18065 Extracted: 02/18/09											
Blank Analyzed: 02/18/2009 (9B18065-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 02/18/2009 (9B18065-BS1)											
Total Dissolved Solids	982	10	10	mg/l	1000		98	90-110			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B18065 Extracted: 02/18/09											
Duplicate Analyzed: 02/18/2009 (9B18065-DUP1)						**Source: ISB1930-01**					
Total Dissolved Solids	177	10	10	mg/l		172			3	10	
Batch: 9B21068 Extracted: 02/21/09											
Blank Analyzed: 02/21/2009 (9B21068-BLK1)											
Total Suspended Solids	ND	10	1.0	mg/l							
LCS Analyzed: 02/21/2009 (9B21068-BS1)											
Total Suspended Solids	990	10	1.0	mg/l	1000		99	85-115			
Duplicate Analyzed: 02/21/2009 (9B21068-DUP1)						**Source: ISB1750-01**					
Total Suspended Solids	105	10	1.0	mg/l		106			1	10	
Batch: 9B24001 Extracted: 02/24/09											
Blank Analyzed: 02/24/2009 (9B24001-BLK1)											
Total Organic Carbon	ND	1.0	0.50	mg/l							
LCS Analyzed: 02/24/2009 (9B24001-BS1)											
Total Organic Carbon	9.88	1.0	0.50	mg/l	10.0		99	90-110			
Matrix Spike Analyzed: 02/24/2009 (9B24001-MS1)						**Source: ISB1736-03**					
Total Organic Carbon	10.7	1.0	0.50	mg/l	5.00	4.90	116	80-120			
Matrix Spike Dup Analyzed: 02/24/2009 (9B24001-MSD1)						**Source: ISB1736-03**					
Total Organic Carbon	10.8	1.0	0.50	mg/l	5.00	4.90	119	80-120	1	20	

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B24128 Extracted: 02/24/09											
Blank Analyzed: 02/24/2009 (9B24128-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.50	mg/l							
LCS Analyzed: 02/24/2009 (9B24128-BS1)											
Ammonia-N (Distilled)	10.6	0.50	0.50	mg/l	10.0		106	80-115			
Matrix Spike Analyzed: 02/24/2009 (9B24128-MS1)						**Source: ISB1703-01**					
Ammonia-N (Distilled)	10.1	0.50	0.50	mg/l	10.0	0.560	95	70-120			
Matrix Spike Dup Analyzed: 02/24/2009 (9B24128-MSD1)						**Source: ISB1703-01**					
Ammonia-N (Distilled)	10.1	0.50	0.50	mg/l	10.0	0.560	95	70-120	0	15	

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
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METHOD BLANK/QC DATA

CFR136A 608

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9064381 Extracted: 03/05/09											
Blank Analyzed: 03/10/2009 (D9C050000381B)						**Source:**					
alpha-BHC	ND	0.05	0.0053	ug/L				-			
Surrogate: Decachlorobiphenyl	*0.19*			*ug/L*	*0.2*		*97*	*32-144*			
Surrogate: Tetrachloro-m-xylene	*0.13*			*ug/L*	*0.2*		*65*	*52-117*			
LCS Analyzed: 03/10/2009 (D9C050000381C)						**Source:**					
alpha-BHC	0.479	0.05	0.0053	ug/L	0.5		96	66-115	7	50	
Surrogate: Decachlorobiphenyl	*0.201*			*ug/L*	*0.2*		*100*	*68-122*			
Surrogate: Tetrachloro-m-xylene	*0.111*			*ug/L*	*0.2*		*55*	*54-115*			
LCS Dup Analyzed: 03/10/2009 (D9C050000381L)						**Source:**					
alpha-BHC	0.514	0.05	0.0053	ug/L	0.5		103	66-115	7	50	
Surrogate: Decachlorobiphenyl	*0.204*			*ug/L*	*0.2*		*102*	*68-122*			
Surrogate: Tetrachloro-m-xylene	*0.16*			*ug/L*	*0.2*		*80*	*54-115*			

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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METHOD BLANK/QC DATA

MCAWW 245.1

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9050174 Extracted: 02/19/09											
Blank Analyzed: 02/19/2009 (D9B190000174B)						**Source:**					
Mercury	ND	0.2	0.027	ug/L				-			
LCS Analyzed: 02/19/2009 (D9B190000174C)						**Source:**					
Mercury	4.78	0.2	0.027	ug/L	5		96	90-110			
Matrix Spike Dup Analyzed: 02/19/2009 (D9B190119001D)						**Source: D9B190119001**					
Mercury	4.29	0.2	0.027	ug/L	5	0.032	85	90-110	0	10	*N*
Matrix Spike Analyzed: 02/19/2009 (D9B190119001S)						**Source: D9B190119001**					
Mercury	4.29	0.2	0.027	ug/L	5	0.032	85	90-110	0	10	*N*

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Joseph Doak
Project Manager

TestAmerica
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MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
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METHOD BLANK/QC DATA

MCAWW 245.1-DISS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9050182 Extracted: 02/19/09											
Blank Analyzed: 02/19/2009 (D9B190000182B)						**Source:**					
Mercury	ND	0.2	0.027	ug/L				-			
LCS Analyzed: 02/19/2009 (D9B190000182C)						**Source:**					
Mercury	4.63	0.2	0.027	ug/L	5		93	90-110			
Matrix Spike Dup Analyzed: 02/19/2009 (D9B190119001D)						**Source: D9B190119001**					
Mercury	4.55	0.2	0.027	ug/L	5	0.03	90	90-110	0	10	
Matrix Spike Analyzed: 02/19/2009 (D9B190119001S)						**Source: D9B190119001**					
Mercury	4.57	0.2	0.027	ug/L	5	0.03	91	90-110	0	10	

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Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits appear in bold on this page.

LabNumber	Analysis	Analyte	Units	Result	MRL	Compliance Limit
ISB1802-01	1664-HEM	Hexane Extractable Material (Oil & Greas	mg/l	1.52	4.7	10
ISB1802-01	**608-Pest Boeing 001/002 Q (LL)**	**alpha-BHC**	**ug/l**	**0.012**	**0.0094**	**0.01**
ISB1802-01	624-Boeing 001/002 Q (Fr113+X), L	1,1-Dichloroethene	ug/l	0	0.50	3.2
ISB1802-01	624-Boeing 001/002 Q (Fr113+X), L	Trichloroethene	ug/l	0	0.50	5
ISB1802-01	625+NDMA, LL	2,4,6-Trichlorophenol	ug/l	0	0.94	6.5
ISB1802-01	625+NDMA, LL	2,4-Dinitrotoluene	ug/l	0	4.7	9.1
ISB1802-01	625+NDMA, LL	Bis(2-ethylhexyl)phthalate	ug/l	1.43	4.7	4
ISB1802-01	625+NDMA, LL	N-Nitrosodimethylamine	ug/l	0	1.9	8.1
ISB1802-01	625+NDMA, LL	Pentachlorophenol	ug/l	1.49	1.9	8.2
ISB1802-01	Antimony-200.8	Antimony	ug/l	0.65	2.0	6
ISB1802-01	Arsenic-200.7	Arsenic	ug/l	7.93	10	10
ISB1802-01	Barium-200.7	Barium	mg/l	0.068	0.010	1
ISB1802-01	Beryllium-200.7	Beryllium	ug/l	0.46	2.0	4
ISB1802-01	BOD - SM5210B	Biochemical Oxygen Demand	mg/l	2.07	2.0	20
ISB1802-01	Cadmium-200.8	Cadmium	ug/l	0.18	1.0	2
ISB1802-01	Chloride - 300.0	Chloride	mg/l	12	0.50	150
ISB1802-01	Chlorine, Residual (330.5)	Residual Chlorine	mg/l	0	0.10	0.1
ISB1802-01	Chromium VI-218.6	Chromium VI	ug/l	0	1.0	8.1
ISB1802-01	**Chromium-200.7**	**Chromium**	**ug/l**	**25**	**5.0**	**8.1**
ISB1802-01	Copper-200.8	Copper	ug/l	6.45	2.0	7.1
ISB1802-01	Cyanide, Total-4500CN-E (5ppb)	Total Cyanide	ug/l	-1	5.0	4.3
ISB1802-01	Fluoride SM4500F,C	Fluoride	mg/l	0.12	0.10	1.6
ISB1802-01	**Iron-200.7**	**Iron**	**mg/l**	**11**	**0.040**	**0.3**
ISB1802-01	**Lead-200.8**	**Lead**	**ug/l**	**7.15**	**1.0**	**2.6**
ISB1802-01	**Manganese-200.7**	**Manganese**	**ug/l**	**148**	**20**	**50**
ISB1802-01	MBAS - SM5540-C	Surfactants (MBAS)	mg/l	0.0078	0.10	0.5
ISB1802-01	Nickel-200.7	Nickel	ug/l	14	10	35
ISB1802-01	Nitrate-N, 300.0	Nitrate-N	mg/l	0.97	0.11	8
ISB1802-01	Nitrite-N, 300.0	Nitrite-N	mg/l	0	0.15	1
ISB1802-01	Nitrogen, NO3+NO2 -N	Nitrate/Nitrite-N	mg/l	0.97	0.26	8
ISB1802-01	Selenium-200.8	Selenium	ug/l	0	2.0	4.1
ISB1802-01	Settleable Solids - SM2540F	Total Settleable Solids	ml/l	0	0.10	0.1
ISB1802-01	Silver-200.8	Silver	ug/l	0.088	1.0	2
ISB1802-01	Sulfate-300.0	Sulfate	mg/l	4.33	0.50	300
ISB1802-01	TDS - SM2540C	Total Dissolved Solids	mg/l	77	10	950
ISB1802-01	Thallium-200.8	Thallium	ug/l	0.089	1.0	2
ISB1802-01	**TSS - SM2540D**	**Total Suspended Solids**	**mg/l**	**156**	**10**	**15**

TestAmerica Irvine

Joseph Doak
Project Manager

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
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ISB1802-01	**Zinc-200.7**	**Zinc**	**ug/l**	**60**	**20**	**54**

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits appear in bold on this page.

LabNumber	Analysis	Analyte	Units	Result	MRL	Compliance Limit
ISB1802-01RE1	608-Pest Boeing 001/002 Q (LL)	alpha-BHC	ug/l	0.0023	0.0094	0.01

Compliance Check

The results obtained from the analytical testing of this data set were checked against compliance limits received from the client. Any results at or above the compliance limits appear in bold on this page.

LabNumber	Analysis	Analyte	Units	Result	MRL	Compliance Limit
ISB1802-02	624-Boeing 001/002 Q (Fr113+X), L1,1-Dichloroethene		ug/l	0	0.50	3.2
ISB1802-02	624-Boeing 001/002 Q (Fr113+X), LTrichloroethene		ug/l	0	0.50	5

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Joseph Doak
Project Manager

TestAmerica
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MWH-Pasadena/Boeing
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DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
HTV	Holding Time Violation
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.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
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).
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. 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.
N	Spike sample recovery is outside control limits.
N2	See corrective action report.
P	The sample, as received, was not preserved in accordance to the referenced analytical method.
P9	This analyte has been shown to degrade upon preservation with HCl and cannot accurately be quantitated.
pH	pH = =4
pHa	pH = 5
R-7	LFB/LFBD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For TICs:

All identifications are tentative and concentrations are estimates based upon spectral comparison to the EPA/NIH library.

For 1,2-Diphenylhydrazine:

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

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

For Extractable Fuel Hydrocarbons (EFH, DRO, ORO) :

Unless otherwise noted, Extractable Fuel Hydrocarbons (EFH, DRO, ORO) are quantitated against a Diesel Fuel Standard.

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Joseph Doak
Project Manager

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Certification Summary

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Method	Matrix	Nelac	California
EPA 120.1	Water	X	X
EPA 1664A	Water	X	X
EPA 180.1	Water	X	X
EPA 200.7-Diss	Water	X	X
EPA 200.7	Water	X	X
EPA 200.8-Diss	Water	X	X
EPA 200.8	Water	X	X
EPA 218.6	Water	X	X
EPA 300.0	Water	X	X
EPA 314.0	Water	X	X
EPA 330.5	Water	X	X
EPA 608	Water	X	X
EPA 624 (MOD.)	Water		X
EPA 624	Water	X	X
EPA 625	Water	X	X
EPA 8015 Mod.	Water	X	X
EPA 8015B	Water	X	X
EPA 8260B-SIM	Water	X	X
Filtration	Water	N/A	N/A
SM 2540D	Water	X	X
SM 4500-F-C	Water	X	X
SM2340B-Diss	Water		
SM2340B	Water	X	X
SM2540C	Water	X	
SM2540F	Water	X	X
SM4500-CN-C,E	Water	X	X
SM4500NH3-C	Water	X	X
SM5210B	Water	X	X
SM5310B	Water	X	X
SM5540-C	Water	X	X

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

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

Aquatic Testing Laboratories-SUB *California Cert #1775*
4350 Transport Street, Unit 107 - Ventura, CA 93003

Analysis Performed: Bioassay-7 dy Chrnic
Samples: ISB1802-01

Analysis Performed: Bioassay-Acute 96hr
Samples: ISB1802-01

TestAmerica Denver
4955 Yarrow Street - Arvada, CO 80002

Method Performed: CFR136A 608
Samples: ISB1802-01

Method Performed: MCAWW 245.1
Samples: ISB1802-01

Method Performed: MCAWW 245.1-DISS
Samples: ISB1802-01

TestAmerica St. Louis
13715 Rider Trail North - Earth City, MO 63045

Analysis Performed: Gamma Spec
Samples: ISB1802-01

Analysis Performed: Gross Alpha
Samples: ISB1802-01

Analysis Performed: Gross Beta
Samples: ISB1802-01

Analysis Performed: Radium, Combined
Samples: ISB1802-01

Analysis Performed: Strontium 90
Samples: ISB1802-01

Analysis Performed: Tritium
Samples: ISB1802-01

Analysis Performed: Uranium, Combined
Samples: ISB1802-01

Truesdail Laboratories-SUB *California Cert #1237*
14201 Franklin Avenue - Tustin, CA 92680

Analysis Performed: Hydrazine
Samples: ISB1802-01

TestAmerica Irvine

Joseph Doak
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

17461 Derian Avenue. Suite 100, Irvine, CA 92614 (949) 261-1022 Fax:(949) 260-3297

MWH-Pasadena/Boeing
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 011
Report Number: ISB1802

Sampled: 02/16/09
Received: 02/16/09

Vista Analytical *NELAC Cert #02102CA, California Cert #1640, Nevada Cert #CA-413*
1104 Windfield Way - El Dorado Hills, CA 95762

Analysis Performed: 1613-Dioxin-HR-Alta
Samples: ISB1802-01

TestAmerica Irvine

Joseph Doak
Project Manager

Test America Version 12/20/07 — CHAIN OF CUSTODY FORM

ISB1802

Client Name/Address: MWH-Arcadia, 618 Michillinda Avenue, Suite 200, Arcadia, CA 91007	Project: Boeing-SSFL NPDES **Annual Outfall 011**
Test America Contact: Joseph Doak	
Project Manager: Bronwyn Kelly	Phone Number: (626) 568-6691
Sampler: [illegible]	Fax Number: (626) 568-6515

Field readings: Temp = 46; pH = 7.3; Time of readings = 14:30

ANALYSIS REQUIRED

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle #	Total Recoverable Metals: Cu, Pb, Hg, B, Ba, Fe, Mn, Sb, As, Be, Cd, Cr, Ni, Se, Ag, Tl, Zn, Co, V, Hardness as $CaCO_3$	Cr (VI) (218.6)	Settleable Solids	TCDD (and all congeners)	Oil & Grease (1664-HEM)	Cyanide (total recoverable)	BOD_5 (20 degrees C)	Surfactants (MBAS)	Cl^-, SO_4, NO_3+NO_2-N, F, Perchlorate	Nitrate-N, Nitrite-N	Turbidity, TDS, TSS, Conductivity	Ammonia-N (350.2)	Alpha BHC (608) + Pesticides + PP	2,4,6 TCP, 2,4 Dinitrotoluene, Bis(2- ethylhexyl)phthalate, NDMA, PCP (SVOCs 625) + PP	Comments
Outfall 011	W	1L Poly	1	2-16-09 14:30	HNO_3	~~1A~~	X														24 TAT – Fe exceeded on 2/3/08
Outfall 011 Dup	W	1L Poly	1	↓	HNO_3	~~1B~~	X														24 TAT
Outfall 011	W	500 ml Poly	1	↓	None	1C		X													24 TAT
Outfall 011	W	1L Poly	1	↓	None	~~2~~			X												
Outfall 011	W	1L Amber	2	↓	None	~~3A, 3B~~				X											
Outfall 011	W	1L Amber	2	↓	HCl	~~4A, 4B~~					X										
Outfall 011	W	500 ml Poly	1	↓	NaOH	5						X									
Outfall 011	W	1L Poly	1	↓	None	6							X								
Outfall 011	W	500 ml Poly	2	↓	None	7A, 7B								X							
Outfall 011	W	500 ml Poly	2	↓	None	8A, 8B									X						24 TAT
Outfall 011	W	500 ml Poly	1	↓	None	9										X					24 TAT
Outfall 011	W	500 ml Poly	2	↓	None	10A, 10B											X				
Outfall 011	W	500 ml Poly	1	↓	H_2SO_4	11												X			
Outfall 011	W	1L Amber	2	↓	None	12A, 12B													X		
Outfall 011	W	1L Amber	2	2-16-09 14:30	None	13A, 13B														X	

Relinquished By	Date/Time	Received By	Date/Time
[signature]	2/16/9 1615	[signature] TAL	02/16/09 16[illegible]
[signature] TAI	02/16/09 2030		
		[signature]	2/16/09 2013

Turn around Time: (check) 24 Hours ____ 5 Days ____ 48 Hours ____ 10 Days ____ 72 Hours ____ Normal X

Sample Integrity: (check) Intact X On Ice: 4.6/4.0

Data Requirements: (check) No Level IV ____ All Level IV ____ NPDES Level IV X

CHAIN OF CUSTODY FORM

Client Name/Address:
MWH-Arcadia
618 Michillinda Avenue, Suite 200
Arcadia, CA 91007

Test America Contact: Joseph Doak

Project Manager: Bronwyn Kelly
J manuel
Sampler: R Bowden

Project:
Boeing-SSFL NPDES
Annual Outfall 011

Phone Number:
(626) 568-6691
Fax Number:
(626) 568-6515

ANALYSIS REQUIRED

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle #	VOCs 624 + xylenes + Freon 113, Freon 123A, Cyclohexane + PP	VOCs 624 +A+A+2CVE	1,4-Dioxane	Total Organic Carbon	Total Residual Chlorine	Gross Alpha(900.0), Gross Beta(900.0), Tritium (H-3) (906.0), Sr-90 (905.0), Total Combined Radium 226 (903.0 or 903.1) & Radium 228 (904.0), Uranium (908.0), K-40, CS-137 (901.0 or 901.1)	PCBs	8015 - gas	8015 - diesel/jet fuel	Monomethylhydrazine	Acute and Chronic Toxicity	Total Dissolved Metals: Cu, Pb, Hg, B, Ba, Fe, Mn, Sb, As, Be, Cd, Cr, Ni, Se, Ag, Tl, Zn, Co, V, Hardness as $CaCO_3$	Comments
Outfall 011	W	VOAs	5	2-16-09 14:30	HCl	14A, 14B, 14C, 14D, 14E	X												
Outfall 011	W	VOAs	3		None	15A, 15B, 15C		X											
Outfall 011	W	VOAs	3		HCl	16A, 16B, 16C			X										
Outfall 011	W	250 ml Glass	1		HCl	17				X									
Outfall 011	W	150 ml Poly	1		None	18					X								TRC Exceeded on 2/3/08
Outfall 011	W	2.5 Gal Cube 500 ml Amber	1 1		None None	19A 19B						X							Unfiltered and unpreserved analysis
Outfall 011	W	1L Amber	2		None	20A, 20B							X						
Outfall 011	W	VOAs	1		HCl	21A								X					
Outfall 011 Dup	W	VOAs	2		HCl	21B, 21C								X					
Outfall 011	W	1L Amber	1		None	22A									X				
Outfall 011 Dup	W	1L Amber	1		None	22B									X				
Outfall 011	W	1L Amber	2		None	23A, 23B										X			
Outfall 011	W	1 Gal Cube	2		None	24A, 24B											X		
Outfall 011	W	1L Poly	1	2-16-09 14:30	None	25												X	Filter w/in 24hrs of receipt at lab. Fe Exceeded on 2/3/08
Trip Blanks	W	VOAs	3		HCl	26A, 26B, 26C	X												
Trip Blanks	W	VOAs	3		None	27A, 27B, 27C		X											

Relinquished By: R Bowden Date/Time: 2/16/9 1615
Received By: TAI Date/Time: 02/16/09 1615

Relinquished By: TAI 02/16/09 2030 Date/Time:
Received By: Date/Time:

Relinquished By: Date/Time:
Received By: Date/Time: 2/16/09 2030

Turn around Time: (check)
24 Hours _____ 5 Days _____
48 Hours _____ 10 Days _____
72 Hours _____ Normal X

Sample Integrity: (check)
Intact ✓ On Ice: X 4-6/4.0

Data Requirements: (check)
No Level IV ____ All Level IV ____
NPDES Level IV X

NPDES - 2737

LABORATORY REPORT

Aquatic Testing Laboratories

"dedicated to providing quality aquatic toxicity testing"

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

Date: February 25, 2009

Client: TestAmerica, Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Joseph Doak

Laboratory No.: A-09021707
Sample I.D.: ISB1802-01 (Outfall 011)

Sample Control: The sample was received by ATL within the recommended hold time, chilled and with the chain of custody record attached. Testing conducted on only one sample per client instruction (rain runoff sample).

Date Sampled:	02/16/09
Date Received:	02/17/09
Temp. Received:	0.5°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	02/17/09 to 02/24/09

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

Fathead Minnow 96hr Percent Survival Bioassay (EPA Method 2000.0), *Ceriodaphnia dubia* Survival and Reproduction Test (EPA Method 1002).

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

Result Summary:

Acute:	**Survival**	**TUa**
Fathead Minnow:	100%	0.0
Chronic:	**NOEC**	**TUc**
Ceriodaphnia Survival:	100%	1.0
Ceriodaphnia Reproduction:	100%	1.0

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-09021707-001
Client/ID: TestAmerica - ISB1802-01

Start Date: 02/17/2009

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-090203.

TEST DATA

		°C	DO	pH	# Dead		Analyst & Time of Readings
					A	B	
INITIAL	Control	20.6	8.8	8.0	0	0	1400
	100%	19.7	10.8	7.5	0	0	
24 Hr	Control	19.7	8.4	7.4	0	0	1300
	100%	19.9	8.3	6.8	0	0	
48 Hr	Control	20.0	7.7	7.3	0	0	1300
	100%	20.0	7.7	6.9	0	0	
Renewal	Control	20.4	8.9	7.7	0	0	1300
	100%	19.7	10.6	6.5	0	0	
72 Hr	Control	19.5	8.0	7.3	0	0	1230
	100%	19.8	7.6	6.8	0	0	
96 Hr	Control	20.2	7.9	7.6	0	0	1400
	100%	20.5	7.9	6.9	0	0	

Comments:
Sample as received: Chlorine: 0.0 mg/l; pH: 7.5; Conductivity: 65 umho; Temp: 0.5°C;
DO: 10.8 mg/l; Alkalinity: 18 mg/l; Hardness: 31 mg/l; NH_3-N: 0.3 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / (No)
Control: Alkalinity: 61 mg/l; Hardness: 94 mg/l; Conductivity: 300 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 O_2.

RESULTS

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

Aquatic
Testing
Laboratories

CERIODAPHNIA SURVIVAL AND REPRODUCTION TEST

- *Test and Results Summary*
- *Data Summary and Statistical Analyses*
- *Raw Test Data: Water Quality & Test Organism Measurements*

CERIODAPHNIA CHRONIC BIOASSAY
EPA METHOD 1002.0

Aquatic Testing Laboratories

Lab No.: A-09021707-001
Client/ID: Test America – ISB1802-01 (Outfall 011)

Date Tested: 02/17/09 to 02/24/09

TEST SUMMARY

Test type: Daily static-renewal.
Species: *Ceriodaphnia dubia*.
Age: < 24 hrs; all released within 8 hrs.
Test vessel size: 30 ml.
Number of test organisms per vessel: 1.
Temperature: 25 +/- 1°C.
Dilution water: Mod. hard reconstituted (MHRW).
QA/QC Batch No.: RT-090203.

Endpoints: Survival and Reproduction.
Source: In-laboratory culture.
Food: .1 ml YTC, algae per day.
Test solution volume: 15 ml.
Number of replicates: 10.
Photoperiod: 16/8 hrs. light/dark cycle.
Test duration: 7 days.
Statistics: ToxCalc computer program.

RESULTS SUMMARY

Sample Concentration	Percent Survival	Mean Number of Young Per Female
Control	100%	17.4
100% Sample	100%	25.9
* Sample not statistically significantly less than Control.		

CHRONIC TOXICITY

Survival NOEC	100%
Survival TUc	1.0
Reproduction NOEC	100%
Reproduction TUc	1.0

QA/QC TEST ACCEPTABILITY

Parameter	Result
Control survival ≥80%	Pass (100% survival)
≥15 young per surviving control female	Pass (17.4 young)
≥60% surviving controls had 3 broods	Pass (80% with 3 broods)
PMSD <47% for reproduction; if >47% and no toxicity at IWC, the test must be repeated	Pass (PMSD = 16.6%)
Statistically significantly different concentrations relative difference >13%	Pass (no concentration significantly different)
Concentration response relationship acceptable	Pass (no significant response at concentration tested)

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	2/17/2009 15:00	Test ID:	9021707c	Sample ID:	ISB1802-01
End Date:	2/24/2009 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	EFF2-Industrial
Sample Date:	2/16/2009 14:30	Protocol:	FWCH 4TH-EPA-821-R-02-0	Test Species:	CD-Ceriodaphnia dubia

Comments:

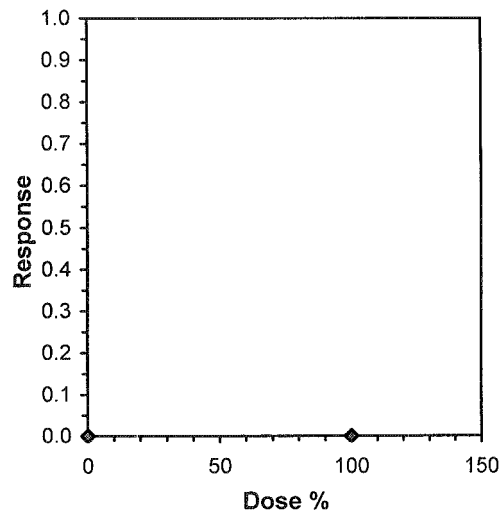
Conc-%	1	2	3	4	5	6	7	8	9	10
D-Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Conc-%	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's Exact P	1-Tailed Critical	Isotonic Mean	Isotonic N-Mean
D-Control	1.0000	1.0000	0	10	10	10			1.0000	1.0000
100	1.0000	1.0000	0	10	10	10	1.0000	0.0500	1.0000	1.0000

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Fisher's Exact Test	100	>100		1
Treatments vs D-Control				

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	2/17/2009 15:00	Test ID:	9021707c	Sample ID:	ISB1802-01
End Date:	2/24/2009 15:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	EFF2-Industrial
Sample Date:	2/16/2009 14:30	Protocol:	FWCH 4TH-EPA-821-R-02-0	Test Species:	CD-Ceriodaphnia dubia

Comments:

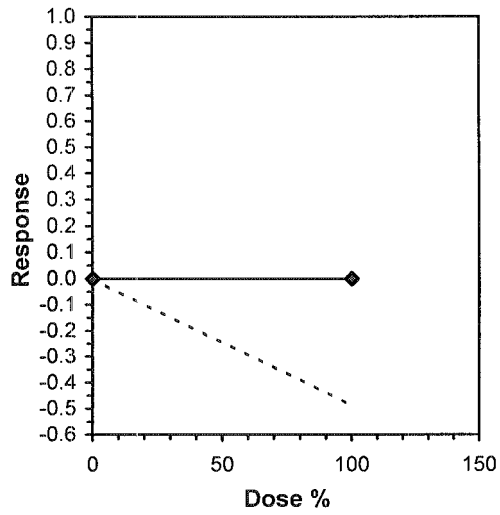
Conc-%	1	2	3	4	5	6	7	8	9	10
D-Control	27.000	18.000	18.000	11.000	17.000	20.000	16.000	16.000	12.000	19.000
100	28.000	27.000	24.000	30.000	27.000	25.000	28.000	27.000	22.000	21.000

			Transform: Untransformed					1-Tailed			Isotonic	
Conc-%	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
D-Control	17.400	1.0000	17.400	11.000	27.000	25.444	10				21.650	1.0000
100	25.900	1.4885	25.900	21.000	30.000	10.989	10	-5.107	1.734	2.886	21.650	1.0000

Auxiliary Tests	Statistic		Critical		Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.05)	0.94304		0.905		0.47809	1.59213
F-Test indicates equal variances (p = 0.20)	2.41975		6.54109			
Hypothesis Test (1-tail, 0.05)	**MSDu**	**MSDp**	**MSB**	**MSE**	**F-Prob**	**df**
Homoscedastic t Test indicates no significant differences Treatments vs D-Control	2.88606	0.16587	361.25	13.85	7.4E-05	1, 18

Linear Interpolation (200 Resamples)

Point	%	SD	95% CL	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



ToxCalc v5.0.23

Reviewed by:

NPDES - 2743

CERIODAPHNIA DUBIA CHRONIC BIOASSAY
EPA METHOD 1002.0 Raw Data Sheet

Aquatic Testing Laboratories

Lab No.: A-09021707-001
Client ID: TestAmerica - ISB1802-01

Start Date: 02/17/2009

		DAY 1		DAY 2		DAY 3		DAY 4		DAY 5		DAY 6		DAY 7	
		0 hr	24hr	0 hr	24hr	0 hr	24hr	0 hr	24hr	0 hr	24hr	0 hr	24hr	0 hr	24hr
Analyst Initials:															
Time of Readings:		1500	1400	1400	1500	1500	1500	1500	1600	1600	1500	1500	1600	1600	1500
Control	DO	9.0	9.2	9.2	8.4	8.9	9.3	9.4	9.1	9.6	9.3	8.9	8.8	8.9	8.5
	pH	7.9	7.7	7.7	7.8	7.7	7.8	7.6	7.9	7.6	7.8	7.6	8.0	7.7	7.7
	Temp	25.7	24.5	25.4	24.3	25.5	24.2	25.5	24.4	25.4	24.1	25.4	24.4	25.2	24.2
100%	DO	11.0	8.6	10.5	9.0	10.7	9.7	10.5	9.8	9.7	9.1	9.9	8.6	9.4	9.0
	pH	6.5	7.2	6.5	7.5	6.5	7.6	6.3	7.6	6.3	7.4	6.4	7.2	6.3	7.2
	Temp	25.5	24.2	25.6	24.1	25.7	24.2	25.9	24.0	24.8	24.4	25.3	24.3	24.7	24.3

Additional Parameters	Control	100% Sample
Conductivity (umohms)	302	65
Alkalinity (mg/l $CaCO_3$)	61	18
Hardness (mg/l $CaCO_3$)	94	31
Ammonia (mg/l NH_3-N)	<0.1	0.3

Source of Neonates

Replicate:	A	B	C	D	E	F	G	H	I	J
Brood ID:	A1	B2	C3	D2	E1	F2	G3	H1	I1	J3

Sample	Day	Number of Young Produced										Total Live Young	No. Live Adults	Analyst Initials
		A	B	C	D	E	F	G	H	I	J			
Control	1	0	0	0	0	0	0	0	0	0	0	0	10	
	2	0	0	0	0	0	0	0	0	0	0	0	10	
	3	0	0	0	0	0	0	0	0	0	0	0	10	
	4	4	4	4	0	0	2	3	2	0	3	22	10	
	5	0	0	0	5	4	0	4	5	4	6	28	10	
	6	8	4	6	0	4	6	0	0	0	10	38	10	
	7	15	10	8	6	9	12	9	9	8	0	86	10	
	Total	27	18	18	11	17	20	16	16	12	19	174	10	
100%	1	0	0	0	0	0	0	0	0	0	0	0	10	
	2	0	0	0	0	0	0	0	0	0	0	0	10	
	3	0	0	0	0	0	0	0	0	0	0	0	10	
	4	4	4	4	4	4	4	4	4	3	2	37	10	
	5	12	9	8	10	10	9	10	10	9	8	95	10	
	6	0	0	0	16	13	12	14	13	10	11	89	10	
	7	12	14	12	0	0	0	0	0	0	0	38	10	
	Total	28	27	24	~~20~~ 28	27	25	28	27	22	21	259	10	

Circled fourth brood not used in statistical analysis.

7th day only used if <60% of the surviving control females have produced their third brood.

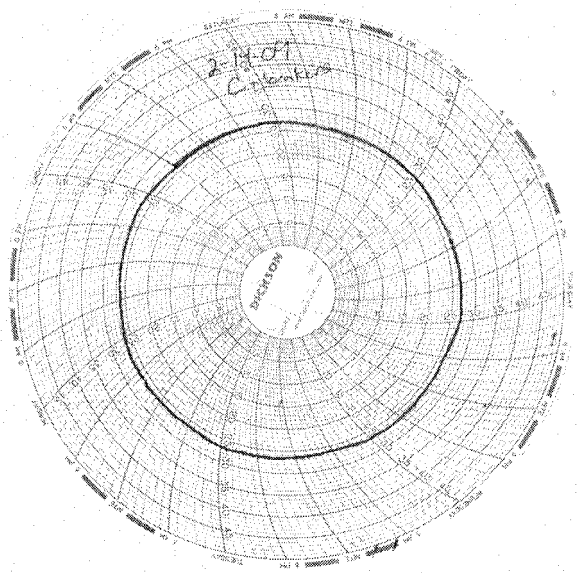
Aquatic
Testing
Laboratories

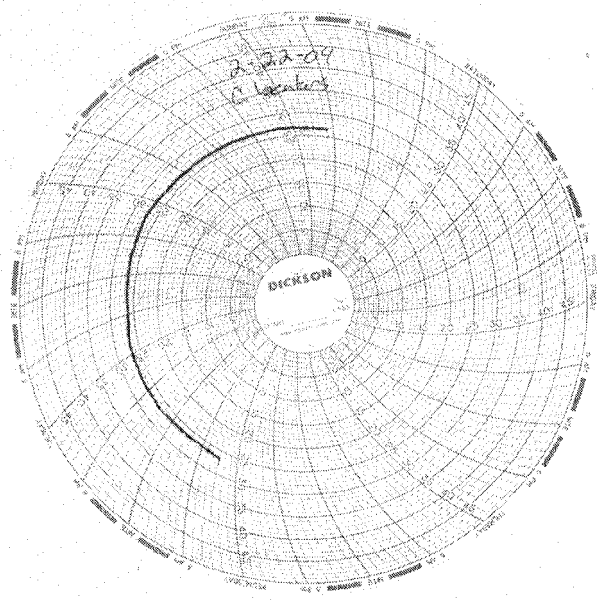
Test Temperature Chart

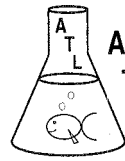
Test No: A-090217

Date Tested: 02/17/09 to 02/24/09

Acceptable Range: 25+/- 1°C







Aquatic
Testing
Laboratories

CHAIN OF CUSTODY

SUBCONTRACT ORDER

TestAmerica Irvine

ISB1802

SENDING LABORATORY:

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

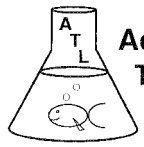
RECEIVING LABORATORY:

Aquatic Testing Laboratories-SUB
4350 Transport Street, Unit 107
Ventura, CA 93003
Phone :(805) 650-0546
Fax: (805) 650-0756
Project Location: CA - CALIFORNIA
Receipt Temperature: 0.5 °C Ice: Y / N

Analysis	Units	Due	Expires	Comments
Sample ID: ISB1802-01	**Water**		Sampled: **02/16/09 14:30**	
Bioassay-7 dy Chrnic	N/A	02/25/09	02/18/09 02:30	Cerio, EPA/821-R02-013, Sub to AqTox Labs
Bioassay-Acute 96hr	% Survival	02/25/09	02/18/09 02:30	FH minnow, EPA/821-R02-012, Sub to AqTox Labs
Level 4 Data Package	N/A	02/25/09	03/16/09 14:30	

Containers Supplied:
1 gal Poly (AU) 1 gal Poly (AV)

Released By	Date/Time	Received By	Date/Time
Released By	Date/Time	Received By	Date/Time



Aquatic
Testing
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REFERENCE TOXICANT DATA

NPDES - 2748

Aquatic
Testing
Laboratories

Fathead Minnow Acute Toxicity Test Reference Toxicant Data

NPDES - 2749

FATHEAD MINNOW ACUTE
Method 2000.0
Reference Toxicant - SDS

Aquatic Testing Laboratories

QA/QC Batch No.: RT-090203

TEST SUMMARY

Species: *Pimephales promel*as.
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 beakers.
Aeration: None.
Number of organisms per chamber: 10.
Photoperiod: 16/8 hrs light/dark.

TEST DATA

	INITIAL			24 Hr					48 Hr				
Date/Time:	2-3-09 1430			2-4-09 1400					2-5-09 1330				
Analyst:													
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.7	8.6	7.7	20.2	8.0	7.5	0	0	20.0	7.5	7.9	0	0
1.0 mg/l	20.7	8.6	7.7	20.2	7.8	7.5	0	0	20.0	7.8	7.7	0	0
2.0 mg/l	20.7	8.7	7.7	20.2	7.5	7.4	0	0	20.1	8.0	7.6	0	0
4.0 mg/l	20.7	8.7	7.8	20.2	7.3	7.3	0	0	20.1	7.8	7.6	0	0
8.0 mg/l	20.7	8.7	7.8	20.1	5.9	7.2	10	10	—	—	—	—	—

	RENEWAL			72 Hr					96 Hr				
Date/Time:	2-5-09 1330			2-6-09 1300					2-7-09 1400				
Analyst:													
	°C	DO	pH	°C	DO	pH	# Dead A	# Dead B	°C	DO	pH	# Dead A	# Dead B
Control	20.8	8.8	7.7	20.1	6.6	7.5	0	0	19.6	6.0	7.4	0	0
1.0 mg/l	20.8	8.8	7.7	20.2	6.9	7.5	0	0	19.5	6.2	7.4	0	0
2.0 mg/l	20.8	8.8	7.8	20.1	6.7	7.5	0	0	19.5	6.1	7.3	0	0
4.0 mg/l	20.8	8.9	7.8	20.2	6.9	7.5	0	0	19.5	6.3	7.3	0	0
8.0 mg/l	—	—	—	—	—	—	—	—	—	—	—	—	—

Comments: Control: Alkalinity: 70 mg/l; Hardness: 92 mg/l; Conductivity: 312 umho.
SDS: Alkalinity: 71 mg/l; Hardness: 93 mg/l; Conductivity: 318 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:	2/3/2009 14:30	Test ID:	RT-090203	Sample ID:	REF-Ref Toxicant
End Date:	2/7/2009 14:00	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	SDS-Sodium dodecyl sulfate
Sample Date:	2/3/2009	Protocol:	ACUTE-EPA-821-R-02-012	Test Species:	PP-Pimephales promelas
Comments:					

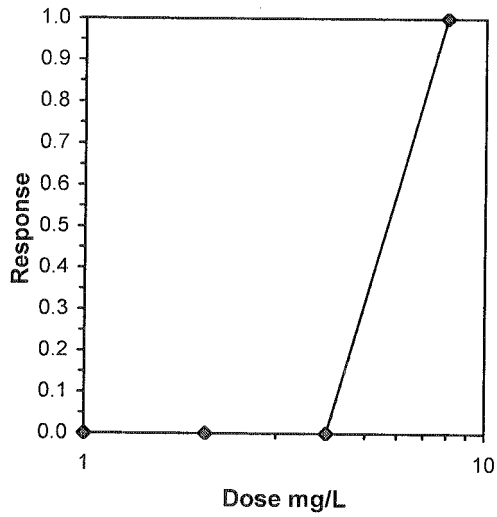
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	1.0000
8	0.0000	0.0000

			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	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	0	20
8	0.0000	0.0000	0.1588	0.1588	0.1588	0.000	2	20	20

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

Graphical Method

Trim Level	EC50
0.0%	5.6569
	5.6569



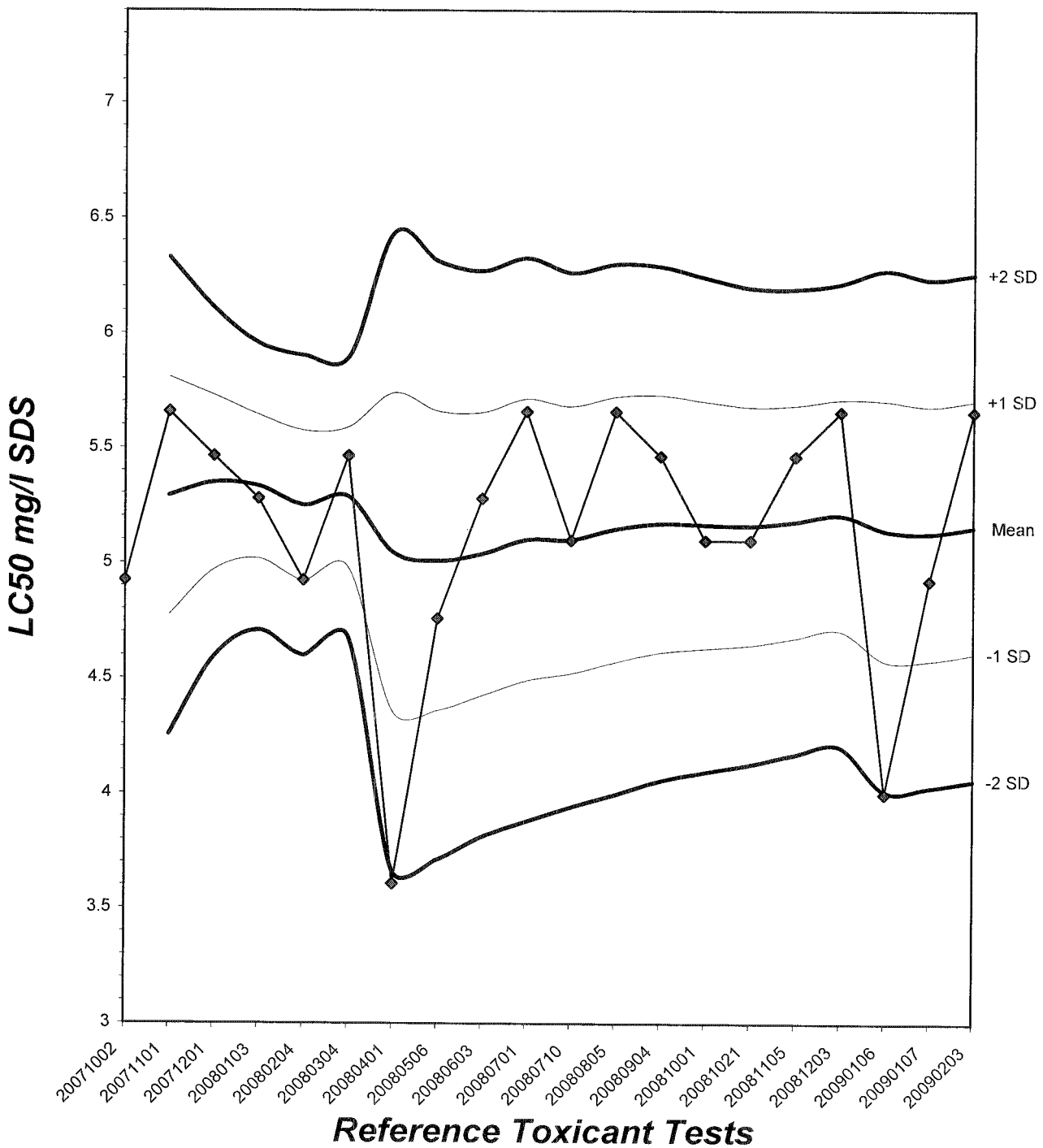
ToxCalc v5.0.23

Reviewed by:

NPDES - 2751

Fathead Minnow Acute Laboratory Control Chart

CV% = 10.7



TEST ORGANISM LOG

Aquatic Testing Laboratories

FATHEAD MINNOW - LARVAL
(*Pimephales promelas*)

QA/QC BATCH NO.: RT-090203

SOURCE: In-Lab Culture

DATE HATCHED: 1-20-09

APPROXIMATE QUANTITY: 400

GENERAL APPEARANCE: good

 # MORTALITIES 48 HOURS PRIOR TO TO USE IN TESTING: 0

DATE USED IN LAB: 2/3/09

AVERAGE FISH WEIGHT: 0.006 **gm**

LOADING LIMITS: 0.65 gm/liter @ 20°C, 0.40 gm/liter @ 25°C

Approximately 1000 fish per 10 liters limit if held overnight for acclimation without filtration @ 20°C for fish with a mean weight of 0.006 gm.

Approximately 650 fish per 10 liters limit if held overnight for acclimation without filtration @ 25°C for fish with a mean weight of 0.006 gm.

200 ml test solution volume = 0.013 gm mean fish weight limit @ 20°C; 0.008 @ 25°C
250 ml test solution volume = 0.016 gm mean fish weight limit @ 20°C; 0.010 @ 25°C

ACCLIMATION WATER QUALITY:

Temp.: 20.7 **°C** **pH:** 7.7 **Ammonia:** <0.1 **mg/l NH_3-N**

DO: 8.6 **mg/l** **Alkalinity:** 70 **mg/l** **Hardness:** 92 **mg/l**

READINGS RECORDED BY: _____ **DATE:** 2-7-09

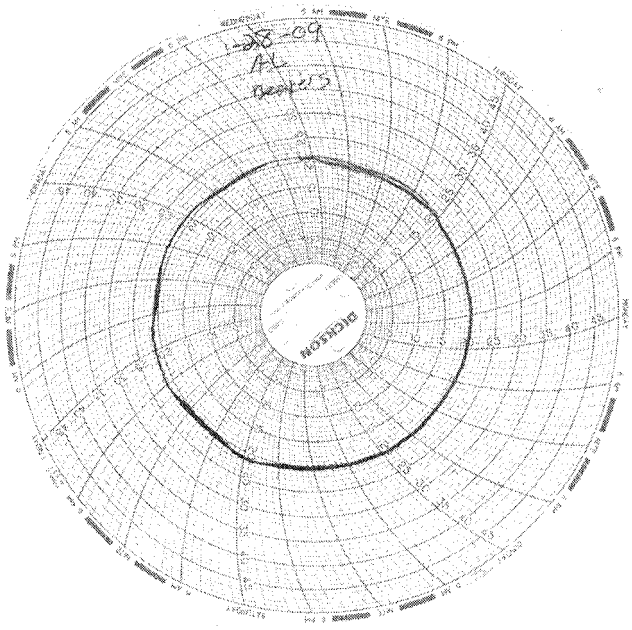
Aquatic
Testing
Laboratories

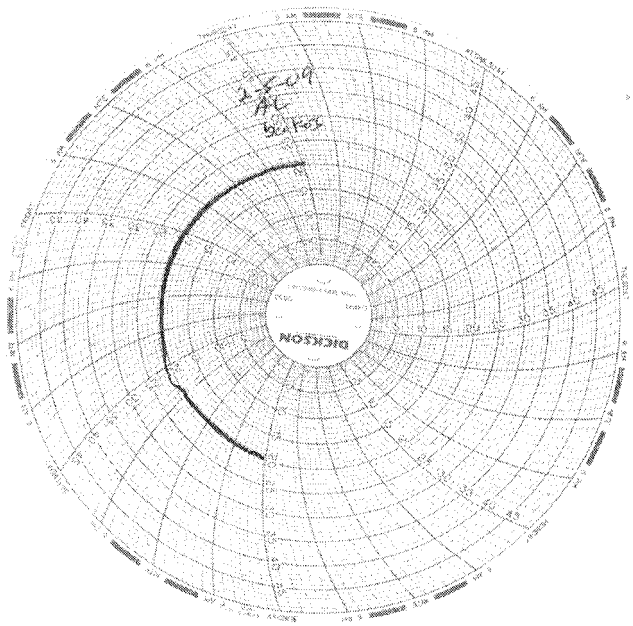
Test Temperature Chart

Test No: RT-090203

Date Tested: 02/03/09 to 02/07/09

Acceptable Range: 20+/- 1°C





NPDES - 2754

Aquatic
Testing
Laboratories

Ceriodaphnia dubia
Chronic Toxicity Test
Reference
Toxicant
Data

NPDES - 2755

CERIODAPHNIA CHRONIC BIOASSAY
EPA METHOD 1002.0
REFERENCE TOXICANT - NaCl

Aquatic Testing Laboratories

QA/QC Batch No.: RT-090203

Date Tested: 02/03/09 to 02/10/09

TEST SUMMARY

Test type: Daily static-renewal.
Species: *Ceriodaphnia dubia*.
Age: <24 hrs; all released within 8 hrs.
Test vessel size: 30 ml.
Number of test organisms per vessel: 1.
Temperature: 25 +/- 1°C.
Dilution water: Mod. hard reconstituted (MHRW).
Reference Toxicant: Sodium chloride (NaCl).

Endpoints: Survival and Reproduction.
Source: In-laboratory culture.
Food: .1 ml YTC, algae per day.
Test solution volume: 20 ml.
Number of replicates: 10.
Photoperiod: 16/8 hrs. light/dark cycle.
Test duration: 7 days.
Statistics: ToxCalc computer program.

RESULTS SUMMARY

Sample Concentration	Percent Survival		Mean Number of Young Per Female	
Control	100%		24.1	
0.25 g/l	100%		25.5	
0.5 g/l	100%		23.5	
1.0 g/l	100%		16.4	*
2.0 g/l	90%		3.5	*
4.0 g/l	0%	*	0	**

* Statistically significantly less than control at P = 0.05 level
** Reproduction data from concentrations greater than survival NOEC are excluded from statistical analysis.

CHRONIC TOXICITY

Survival LC50	2.6 g/l
Reproduction IC25	0.85 g/l

QA/QC TEST ACCEPTABILITY

Parameter	Result
Control survival ≥80%	Pass (100% Survival)
≥15 young per surviving control female	Pass (24.1 young)
≥60% surviving controls had 3 broods	Pass (90% with 3 broods)
PMSD <47% for reproduction	Pass (PMSD = 9.6%)
Stat. sig. diff. conc. relative difference >13%	Pass (Stat. sig. diff. conc. relative difference= 31.9%)
Concentration response relationship acceptable	Pass (Response curve normal)

Ceriodaphnia Survival and Reproduction Test-7 Day Survival

Start Date:	2/3/2009 16:00	Test ID:	RT-090203c	Sample ID:	REF-Ref Toxicant
End Date:	2/10/2009 15:30	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	NACL-Sodium chloride
Sample Date:	2/3/2009	Protocol:	FWCH 4TH-EPA-821-R-02-0	Test Species:	CD-Ceriodaphnia dubia
Comments:					

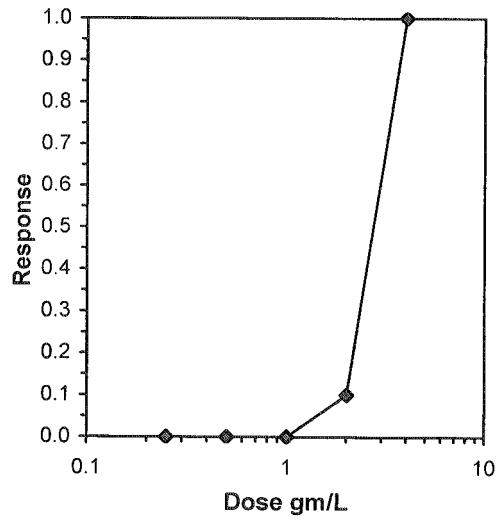
Conc-gm/L	1	2	3	4	5	6	7	8	9	10
D-Control	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
0.5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2	1.0000	0.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-gm/L	Mean	N-Mean	Resp	Not Resp	Total	N	Fisher's Exact P	1-Tailed Critical	Number Resp	Total Number
D-Control	1.0000	1.0000	0	10	10	10			0	10
0.25	1.0000	1.0000	0	10	10	10	1.0000	0.0500	0	10
0.5	1.0000	1.0000	0	10	10	10	1.0000	0.0500	0	10
1	1.0000	1.0000	0	10	10	10	1.0000	0.0500	0	10
2	0.9000	0.9000	1	9	10	10	0.5000	0.0500	1	10
4	0.0000	0.0000	10	0	10	10			10	10

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Fisher's Exact Test	2	4	2.82843	
Treatments vs D-Control				

Trimmed Spearman-Karber

Trim Level	EC50	95% CL	
0.0%	2.6390	2.3138	3.0099
5.0%	2.6984	2.2899	3.1798
10.0%	2.7216	2.5094	2.9517
20.0%	2.7216	2.5094	2.9517
Auto-0.0%	2.6390	2.3138	3.0099

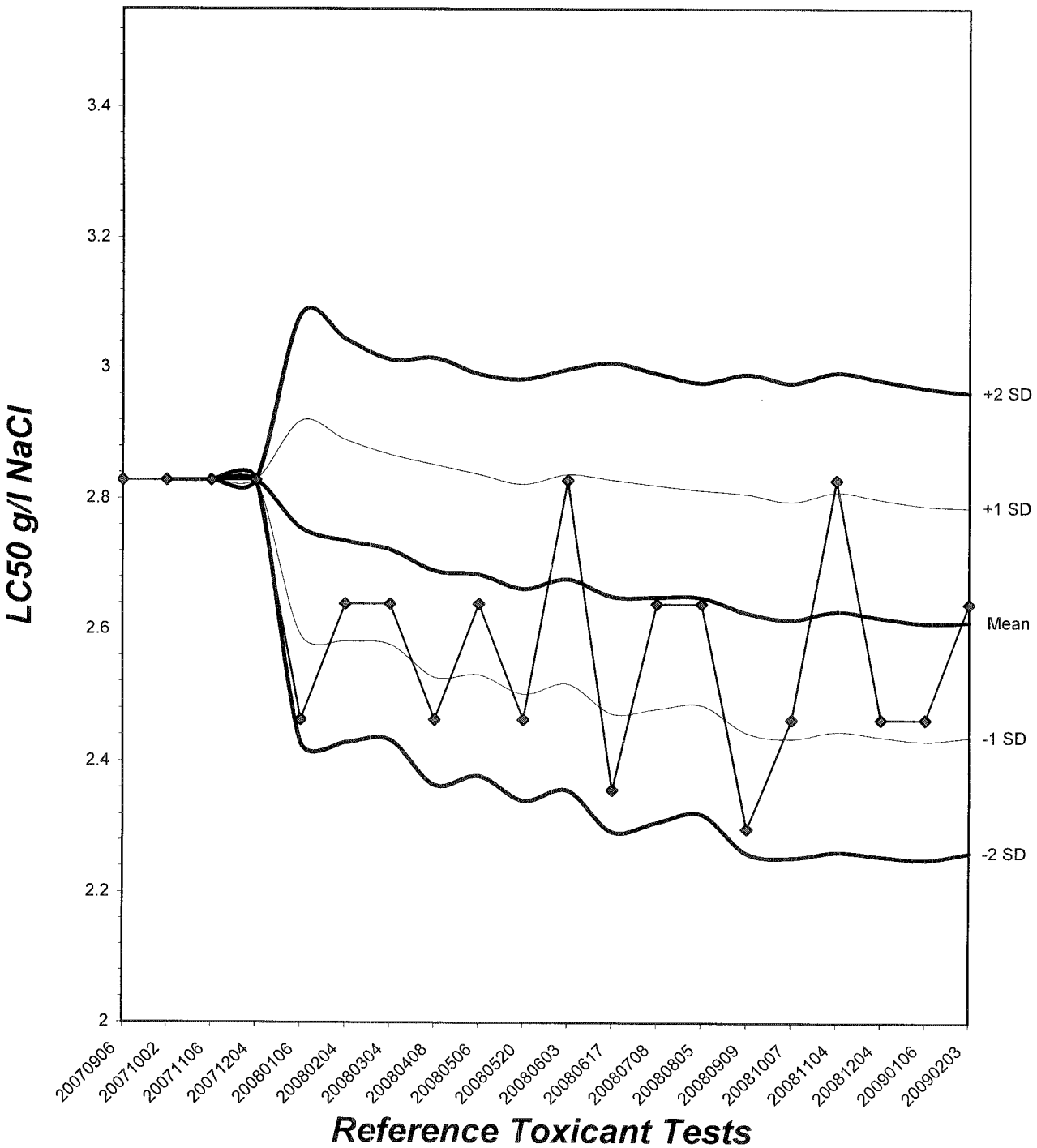


Reviewed by: _____

NPDES - 2757

Ceriodaphnia Chronic Survival Laboratory Control Chart

CV% = 6.71



Ceriodaphnia Survival and Reproduction Test-Reproduction

Start Date:	2/3/2009 16:00	Test ID:	RT-090203c	Sample ID:	REF-Ref Toxicant
End Date:	2/10/2009 15:30	Lab ID:	CAATL-Aquatic Testing Labs	Sample Type:	NACL-Sodium chloride
Sample Date:	2/3/2009	Protocol:	FWCH 4TH-EPA-821-R-02-0	Test Species:	CD-Ceriodaphnia dubia
Comments:					

Conc-gm/L	1	2	3	4	5	6	7	8	9	10
D-Control	25.000	19.000	26.000	25.000	24.000	25.000	24.000	25.000	22.000	26.000
0.25	20.000	26.000	29.000	30.000	26.000	25.000	26.000	24.000	25.000	24.000
0.5	26.000	18.000	20.000	22.000	23.000	25.000	27.000	24.000	30.000	20.000
1	10.000	9.000	20.000	21.000	23.000	20.000	10.000	22.000	19.000	10.000
2	2.000	2.000	4.000	2.000	5.000	5.000	2.000	6.000	5.000	2.000
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

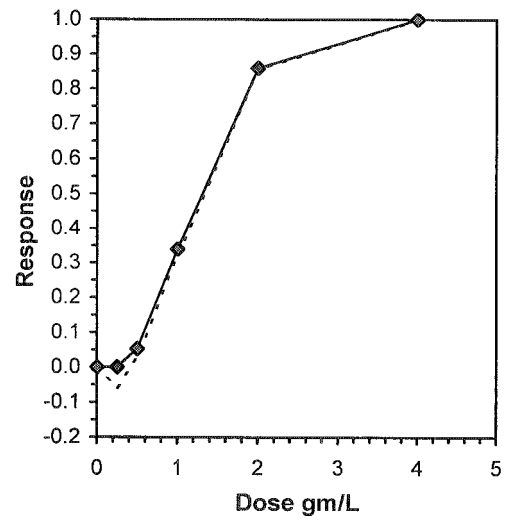
			Transform: Untransformed					Rank	1-Tailed	Isotonic	
Conc-gm/L	Mean	N-Mean	Mean	Min	Max	CV%	N	Sum	Critical	Mean	N-Mean
D-Control	24.100	1.0000	24.100	19.000	26.000	8.846	10			24.800	1.0000
0.25	25.500	1.0581	25.500	20.000	30.000	10.819	10	121.00	76.00	24.800	1.0000
0.5	23.500	0.9751	23.500	18.000	30.000	15.571	10	98.50	76.00	23.500	0.9476
*1	16.400	0.6805	16.400	9.000	23.000	35.578	10	62.00	76.00	16.400	0.6613
*2	3.500	0.1452	3.500	2.000	6.000	47.140	10	55.00	76.00	3.500	0.1411
4	0.000	0.0000	0.000	0.000	0.000	0.000	10			0.000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.05)	0.95819	0.947	-0.3265	-0.1582
Bartlett's Test indicates unequal variances (p = 2.14E-03)	16.7726	13.2767		

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test Treatments vs D-Control	0.5	1	0.70711	

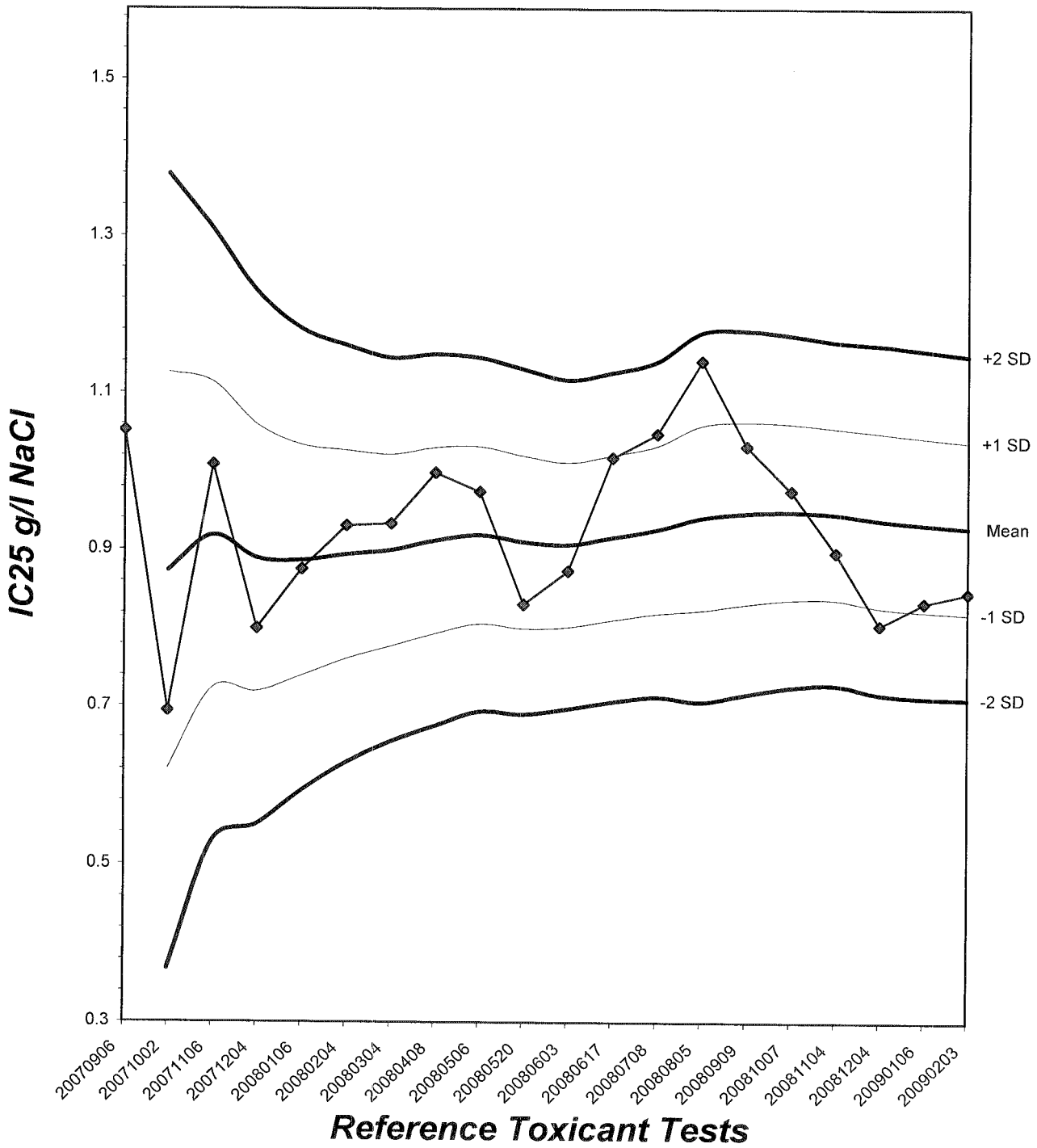
Linear Interpolation (200 Resamples)

Point	gm/L	SD	95% CL		Skew
IC05	0.4885	0.0860	0.3398	0.6005	-0.0581
IC10	0.5831	0.0780	0.4322	0.7065	0.2232
IC15	0.6704	0.0835	0.5271	0.8274	0.7408
IC20	0.7577	0.0888	0.6245	0.9501	0.7504
IC25	0.8451	0.0959	0.7133	1.0505	0.6224
IC40	1.1178	0.1068	0.9221	1.2861	-0.1220
IC50	1.3101	0.0961	1.0946	1.4453	-0.6206



Ceriodaphnia Chronic Reproduction Laboratory Control Chart

CV% = 11.8



CERIODAPHNIA DUBIA CHRONIC BIOASSAY
Reference Toxicant - NaCl
Reproduction and Survival Raw Data Sheet

Aquatic Testing Laboratories

QA/QC No.: RT-090203

Start Date:02/03/2009

Sample	Day	Number of Young Produced										Total Live Young	No. Live Adults	Analyst Initials
		A	B	C	D	E	F	G	H	I	J			
Control	1	0	0	0	0	0	0	0	0	0	0	0	10	
	2	0	0	0	0	0	0	0	0	0	0	0	10	
	3	3	0	0	5	4	4	3	4	3	4	30	10	
	4	8	3	4	7	6	7	0	6	0	7	48	10	
	5	0	0	10	~~12~~	0	14	7	0	6	0	37	10	
	6	14	16	0	13	0	0	0	0	0	15	58	10	
	7	(13)	0	12	0	14	(12)	14	15	13	0	68	10	
	Total	25	19	26	25	24	25	24	25	22	26	241	10	
0.25 g/l	1	0	0	0	0	0	0	0	0	0	0	0	10	
	2	0	0	0	0	0	0	0	0	0	0	0	10	
	3	3	0	0	0	5	0	4	3	0	0	15	10	
	4	7	4	3	4	0	3	0	7	4	3	35	10	
	5	0	(8)	11	10	7	12	7	14	7	6	82	10	
	6	0	0	15	16	0	0	0	0	0	0	31	10	
	7	10	14	0	0	14	10	15	(12)	14	15	92	10	
	Total	20	26	29	30	26	25	26	24	25	24	255	10	
0.5 g/l	1	0	0	0	0	0	0	0	0	0	0	0	10	
	2	0	0	0	0	0	0	0	0	0	0	0	10	
	3	0	0	0	0	4	4	0	4	3	0	15	10	
	4	5	6	5	4	0	0	4	0	0	3	27	10	
	5	7	0	0	8	6	7	9	6	11	7	61	10	
	6	0	0	0	0	0	14	0	0	16	10	40	10	
	7	14	12	15	10	13	0	14	14	0	0	92	10	
	Total	26	18	20	22	23	25	27	24	30	20	235	10	

Circled fourth brood not used in statistical analysis.
7th day only used if <60% of the surviving control females have produced their third brood.

CERIODAPHNIA DUBIA CHRONIC BIOASSAY
Reference Toxicant - NaCl
Reproduction and Survival Raw Data Sheet

Aquatic Testing Laboratories

QA/QC No.: RT-090203

Start Date:02/03/2009

Sample	Day	Number of Young Produced										Total Live Young	No. Live Adults	Analyst Initials
		A	B	C	D	E	F	G	H	I	J			
1.0 g/l	1	0	0	0	0	0	0	0	0	0	0	0	10	
	2	0	0	0	0	0	0	0	0	0	0	0	10	
	3	0	0	0	0	0	0	0	0	0	0	0	10	
	4	4	3	4	3	2	4	3	2	3	4	32	10	
	5	0	0	(8)	11	10	7	0	11	8	0	53	10	
	6	6	0	0	0	11	0	7	0	0	6	30	10	
	7	0	6	10	7	0	9	0	9	8	0	49	10	
	Total	10	9	20	21	23	20	10	22	19	10	164	10	
2.0 g/l	1	0	0	0	0	0	0	0	0	0	0	0	10	
	2	0	0	0	0	0	0	0	0	0	0	0	10	
	3	0	0	0	0	0	0	0	0	0	0	0	10	
	4	2	0	0	0	0	0	0	2	3	0	7	10	
	5	0	2	2	0	3	2	2	0	0	0	11	10	
	6	0	0	0	2	0	0	0	4	2	0	8	10	
	7	0	X	2	0	2	3	0	0	0	2	9	9	
	Total	2	2	4	2	5	5	2	6	5	2	35	9	
4.0 g/l	1	X	X	X	X	X	X	X	X	X	X	0	0	
	2	—	—	—	—	—	—	—	—	—	—	—	—	
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	Total	0	0	0	0	0	0	0	0	0	0	0	0	

Circled fourth brood not used in statistical analysis.
7th day only used if <60% of the surviving control females have produced their third brood.

CERIODAPHNIA DUBIA CHRONIC BIOASSAY
Reference Toxicant - NaCl
Water Chemistries Raw Data Sheet

Aquatic Testing Laboratories

QA/QC No.: RT-090203

Start Date:02/03/2009

		DAY 1		DAY 2		DAY 3		DAY 4		DAY 5		DAY 6		DAY 7	
		Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
Analyst Initials:															
Time of Readings:		1600	1500	1500	1500	1500	1500	1500	1700	1700	1500	1500	1530	1530	1530
Control	DO	8.3	8.8	8.8	9.2	8.4	8.8	8.5	8.7	8.4	8.1	8.3	8.5	8.5	8.4
	pH	7.8	8.1	8.2	8.0	7.7	7.8	7.7	7.8	7.7	7.7	7.7	7.8	7.7	7.8
	Temp	25.0	24.1	24.2	24.0	25.5	24.1	25.5	24.0	25.0	24.1	24.7	24.6	25.0	24.1
0.25 g/l	DO	8.4	8.7	8.8	9.1	8.4	8.7	8.5	8.6	8.4	8.3	8.4	8.2	8.5	8.3
	pH	7.8	8.1	8.2	8.0	7.7	7.8	7.7	7.8	7.7	7.7	7.8	7.8	7.7	7.8
	Temp	25.0	24.2	24.2	24.1	25.5	24.3	25.5	24.2	25.0	24.3	24.8	24.2	24.8	24.4
0.5 g/l	DO	8.4	8.7	8.7	9.1	8.5	8.7	8.4	8.6	8.3	8.2	8.3	8.3	8.4	8.2
	pH	7.8	8.2	8.2	8.0	7.8	7.8	7.7	7.9	7.8	7.7	7.8	7.8	7.7	7.7
	Temp	25.0	24.0	24.2	24.0	25.5	24.1	25.4	24.0	25.0	24.2	24.9	24.4	24.7	24.2
1.0 g/l	DO	8.4	8.8	8.7	9.0	8.5	8.8	8.4	8.7	8.3	8.1	8.4	8.4	8.2	8.3
	pH	7.8	8.2	8.2	8.1	7.8	7.8	7.8	7.9	7.8	7.8	7.9	7.8	7.7	7.7
	Temp	25.0	24.0	24.1	24.3	25.4	24.2	25.3	24.1	25.0	24.3	24.6	24.3	24.6	24.1
2.0 g/l	DO	8.4	8.9	8.7	9.1	8.5	8.9	8.3	8.9	8.3	8.2	8.5	8.2	8.3	8.4
	pH	7.9	8.2	8.2	8.1	7.8	7.9	7.8	7.9	7.8	7.8	7.8	7.8	7.8	7.7
	Temp	24.9	24.3	24.0	24.0	25.3	24.2	25.1	24.2	25.0	24.4	25.0	24.4	24.3	24.2
4.0 g/l	DO	8.5	9.0	—	—	—	—	—	—	—	—	—	—	—	—
	pH	7.9	8.2	—	—	—	—	—	—	—	—	—	—	—	—
	Temp	24.8	24.2	—	—	—	—	—	—	—	—	—	—	—	—

Dissolved Oxygen (DO) readings are in mg/l O_2; Temperature (Temp) readings are in °C.

Additional Parameters	Control			High Concentration		
	Day 1	Day 3	Day 5	Day 1	Day 3	Day 5
Conductivity (µS)	312	300	305	6420	3350	3500
Alkalinity (mg/l $CaCO_3$)	70	60	60	71	64	63
Hardness (mg/l $CaCO_3$)	92	93	92	93	93	93

Source of Neonates										
Replicate:	A	B	C	D	E	F	G	H	I	J
Brood ID:	A1	B2	C3	D2	E3	F2	G1	H3	I1	J2

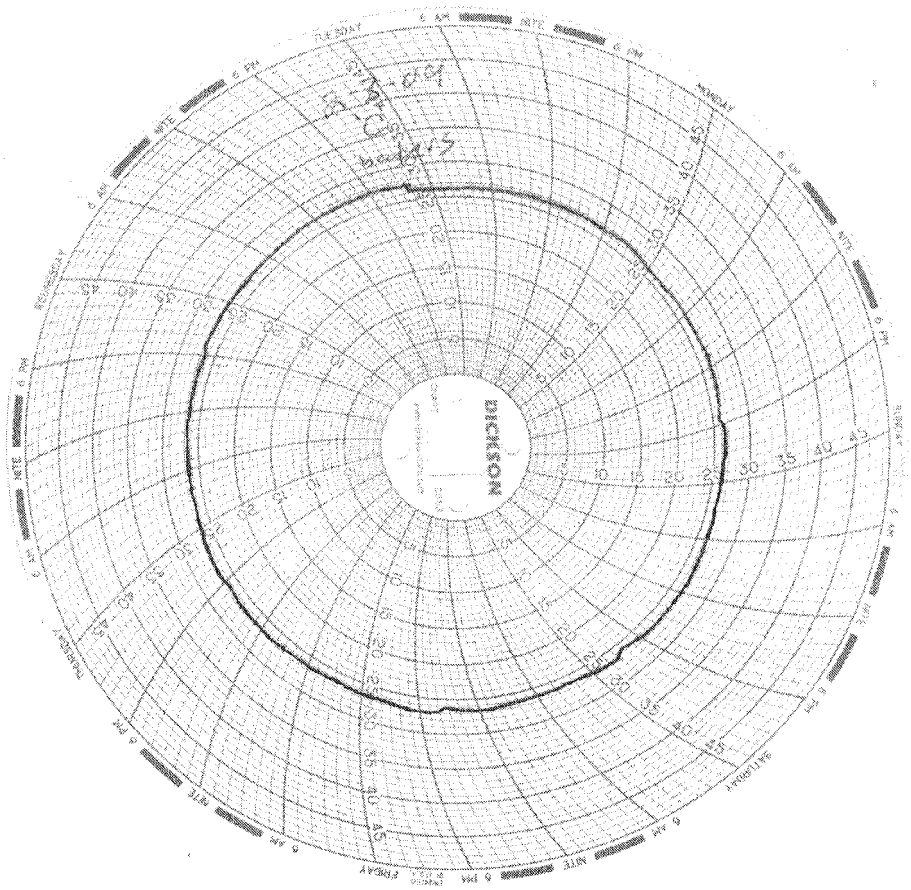
Aquatic
Testing
Laboratories

Test Temperature Chart

Test No: RT-090203

Date Tested: 02/03/09 to 02/10/09

Acceptable Range: 25+/- 1°C



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

MWH-Pasadena / Boeing

Lot D9B190134

Project ISB1802

Joseph Doak
17461 Derian Avenue
Suite 100
Irvine, CA 92614

TestAmerica Laboratories, Inc.

Lori Parsons For:
DiLea Griego
Project Manager

February 25, 2009

Table of Contents

Standard Deliverables with Supporting Documentation

Report Contents	Number of Pages

Standard Deliverables

(*The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.)*

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **QC Data Association Summary**
- **Analytical Results**
- **Sample Receiving Checklist**
- **Chain-of-Custody**

Supporting Documentation

(Note: A one-page "Description of Supporting Documentation" is provided at the beginning of this section.).

	Check below when supporting documentation is present.
• Volatile GC/MS	
• Semivolatile GC/MS	
• Volatile GC	
• Semivolatile GC	
• LC/MS or HPLC	
• Metals	X
• General Chemistry	
• Subcontracted Data	

Quality Control Definitions of Qualifiers

Qualifier	Definition
U	Result is less than the method detection limit (MDL).
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
E	Estimated result. Result concentrations exceed the calibration range.
p	Relative Percent Difference (RPD) is outside control limits.
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
DIL	The concentration is estimated or not reported due to dilution.
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
CHI	More than 40% difference between the primary and confirmation detector results. The higher of the two results is reported.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.
a	Spiked analyte recovery is outside stated control limits.
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
MSB	The recovery and/or RPD were not calculated because the sample amount was greater than four times the spike amount.

Case Narrative

Enclosed is the report for one sample received at TestAmerica Laboratories, Inc. – Denver laboratory on February 18, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than the Denver laboratory's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

Quality Control Summary for Lot D9B190134

Sample Receiving
The cooler temperature upon receipt at the laboratory was acceptable at 2.6°C.

Total Mercury –Method 245.1
MS/MSD (Matrix Spike/Matrix Spike Duplicate) analyses were performed on a sample from another client and/or lot. The MS/MSD for method 245.1 exhibited spike compound recoveries below the QC limits for Mercury. The acceptable LCS (Laboratory Control Sample) analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No anomalies were observed.

Dissolved Mercury –Method 245.1
No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D9B190134

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D9B190134

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Dissolved Mercury (CVAA)	MCAWW 245.1	MCAWW 245.1
Mercury (Manual Cold Vapor Technique)	MCAWW 245.1	MCAWW 245.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

METHOD / ANALYST SUMMARY

D9B190134

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 245.1	Christopher Grisdale	9582

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

D9B190134

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K7EKN	001	ISB1802-01	02/16/09	14:30

NOTE(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.

QC DATA ASSOCIATION SUMMARY

D9B190134

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 245.1		9050174	9050101
	WATER	MCAWW 245.1		9050182	9050105

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Total Metals

CLP-Like Forms

Lot ID: D9B190134

Client: TestAmerica-Irvine

Method: 245.1

Associated Samples: -001

Batch: 9050174

Total Metals

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: TestAmerica Irvine SDG No.: D9B190134

Lab Code: _____ Case No.: _____ SAS No.: _____

SOW No.: _____

Sample ID.	Lab Sample No.
ISB1802-01	D9B190134-001

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Yongming Ding Name: Yongming Ding

Date: 2/24/2009 Title: Analyst V

COVER PAGE - IN

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB1802-01
Lot/SDG Number:	D9B190134	**Lab Sample ID:**	D9B190134-001
Matrix:	WATER	**Lab WorkOrder:**	K7EKN
% Moisture:	N/A	**Date/Time Collected:**	02/16/09 14:30
Basis:	Wet	**Date/Time Received:**	02/18/09 10:15
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050174	**Date/Time Analyzed:**	02/19/09 18:04
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.027	0.027	0.20	U

Form 1 Analysis Data Sheet Equivalent

Total Metals
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Ultra Scientific

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	7.000	7.087	101.2	5.000	4.879	97.6	4.931	98.6	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Total Metals
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Ultra Scientific

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.000	4.924	98.5	4.963	99.3	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Total Metals
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B190134

AA CRDL Standard Source: Ultra Scientific

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.200	0.19300	96.5					

Comments:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9B190134	**Lab Sample ID:**	D9B190000-174B
Matrix:	WATER	**Lab WorkOrder:**	K7EN8
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050174	**Date/Time Analyzed:**	02/19/09 17:16
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.027	0.027	0.20	U

Total Metals

-3-

BLANKS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U	CV

Comments:

Total Metals

-3-

BLANKS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.027	U							CV

Comments:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	LAB MS/MSD
Lot/SDG Number:	D9B190134	**MS Lab Sample ID:**	D9B190119-001S
Matrix:	WATER	**MS Lab WorkOrder:**	K7EHT
% Moisture:	N/A	**Date/Time Collected:**	02/16/09 09:30
Basis:	Wet	**Date/Time Received:**	02/18/09 10:15
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050174	**Date/Time Analyzed:**	02/19/09 17:23
MS Sample Aliquot:	10 mL	**Instrument ID:**	023
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Mercury	5.00	0.032	J	4.29		85	N	90 - 110

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	LAB MS/MSD
Lot/SDG Number:	D9B190134	**MSD Lab Sample ID:**	D9B190119-001D
Matrix:	WATER	**MSD Lab WorkOrder:**	K7EHT
% Moisture:	N/A	**Date/Time Collected:**	02/16/09 09:30
Basis:	Wet	**Date/Time Received:**	02/18/09 10:15
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050174	**Date/Time Analyzed:**	02/19/09 17:25
MSD Sample Aliquot:	10 mL	**Instrument ID:**	023
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Mercury	5.00	0.032	J	4.29		85	N	0.0		90 - 110	10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9B190134	**Lab Sample ID:**	D9B190000-174C
Matrix:	WATER	**Lab WorkOrder:**	K7EN8
% Moisture:	N/A	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050174	**Date/Time Analyzed:**	02/19/09 17:18
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Mercury	5.00	4.78	96		90 - 110

Form 7 LCS Analysis Data Sheet Equivalent

Total Metals
-10-
DETECTION LIMITS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

ICP ID Number: _____ Date: 12/26/2008

Flame AA ID Number: Cetac M7500 Hg

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Mercury	253.70		0.20	0.027	CV

Comments: _____

Form X - IN

Total Metals

-13-

PREPARATION LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Method: CV Prep Method: _____

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
MB9050174	2/19/2009	10.0	10.0
Check Sample	2/19/2009	10.0	10.0
INTRA-LAB QC	2/19/2009	10.0	10.0
LAB MS	2/19/2009	10.0	10.0
LAB MSD	2/19/2009	10.0	10.0
ISB1802-01	2/19/2009	10.0	10.0

Comments:

Total Metals
-14-

ANALYSIS RUN LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B190134

Instrument ID Number: Cetac M7500 Hg Method: CV

Start Date: 2/19/2009 End Date: 2/19/2009

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
Cal Blank	1.00	15:48																X												
Std1	1.00	15:50																X												
Std2	1.00	15:52																X												
Std3	1.00	15:54																X												
Std4	1.00	15:57																X												
Std5	1.00	15:59																X												
Std6	1.00	16:01																X												
ICB	1.00	16:04																X												
ICV	1.00	16:07																X												
RL	1.00	16:09																X												
CCV	1.00	17:02																X												
CCB	1.00	17:04																X												
ZZZZZZ	1.00	17:07																												
ZZZZZZ	1.00	17:09																												
ZZZZZZ	1.00	17:11																												
ZZZZZZ	1.00	17:14																												
MB9050174	1.00	17:16																X												
Check Sample	1.00	17:18																X												
INTRA-LAB QC	1.00	17:21																X												
LAB MS	1.00	17:23																X												
LAB MSD	1.00	17:25																X												
CCV	1.00	17:28																X												
CCB	1.00	17:30																X												
CCV	1.00	17:53																X												
CCB	1.00	17:55																X												
ZZZZZZ	1.00	17:57																												
ZZZZZZ	1.00	18:00																												
ZZZZZZ	1.00	18:02																												
ISB1802-01	1.00	18:04																X												
ZZZZZZ	1.00	18:07																												
ZZZZZZ	1.00	18:09																												
ZZZZZZ	1.00	18:11																												
ZZZZZZ	1.00	18:14																												

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Total Metals
-14-

ANALYSIS RUN LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B190134

Instrument ID Number: Cetac M7500 Hg Method: CV

Start Date: 2/19/2009 End Date: 2/19/2009

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	18:16																										
CCV	1.00	18:18																X										
CCB	1.00	18:20																X										

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Dissolved Metals

CLP-Like Forms

Lot ID: D9B190134

Client: TestAmerica Irvine

Method: 245.1

Associated Samples: 001

Batch: 9050182

Dissolved Metals

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: TestAmerica Irvine SDG No.: D9B190134

Lab Code: _____ Case No.: _____ SAS No.: _____

SOW No.: _____

Sample ID.	Lab Sample No.
ISB1802-01	D9B190134-001

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Yongming Ding Name: Yongming Ding

Date: 2/24/2009 Title: Analyst V

COVER PAGE - IN

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB1802-01
Lot/SDG Number:	D9B190134	**Lab Sample ID:**	D9B190134-001
Matrix:	WATER	**Lab WorkOrder:**	K7EKN
% Moisture:	N/A	**Date/Time Collected:**	02/16/09 14:30
Basis:	Wet	**Date/Time Received:**	02/18/09 10:15
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050182	**Date/Time Analyzed:**	02/19/09 17:07
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.027	0.027	0.20	U

Form 1 Analysis Data Sheet Equivalent

Dissolved Metals
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Ultra Scientific

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	7.000	7.087	101.2	5.000	5.110	102.2	4.974	99.5	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Dissolved Metals
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Ultra Scientific

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				5.000	4.879	97.6	4.931	98.6	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Dissolved Metals

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Initial Calibration Source: Inorganic Ventures

Continuing Calibration Source: Ultra Scientific

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Mercury				5.000	5.127	102.5	5.097	101.9	CV

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

Dissolved Metals
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B190134

AA CRDL Standard Source: Ultra Scientific

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.200	0.19300	96.5					

Comments:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9B190134	**Lab Sample ID:**	D9B190000-182B
Matrix:	WATER	**Lab WorkOrder:**	K7EPP
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050182	**Date/Time Analyzed:**	02/19/09 16:16
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	0.027	0.027	0.20	U

Dissolved Metals

-3-

BLANKS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U	CV

Comments:

Form III - IN

Dissolved Metals

-3-

BLANKS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.027	U	0.027	U	0.027	U			CV

Comments:

Form III - IN

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	LAB MS/MSD
Lot/SDG Number:	D9B190134	**MS Lab Sample ID:**	D9B190119-001S
Matrix:	WATER	**MS Lab WorkOrder:**	K7EHT
% Moisture:	N/A	**Date/Time Collected:**	02/16/09 09:30
Basis:	Wet	**Date/Time Received:**	02/18/09 10:15
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050182	**Date/Time Analyzed:**	02/19/09 16:23
MS Sample Aliquot:	10 mL	**Instrument ID:**	023
MS Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MS Result	C	% Rec	Q	QC Limit
Mercury	5.00	0.030	J	4.57		91		90 - 110

Form 5A MS Analysis Data Sheet Equivalent

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	LAB MS/MSD
Lot/SDG Number:	D9B190134	**MSD Lab Sample ID:**	D9B190119-001D
Matrix:	WATER	**MSD Lab WorkOrder:**	K7EHT
% Moisture:	N/A	**Date/Time Collected:**	02/16/09 09:30
Basis:	Wet	**Date/Time Received:**	02/18/09 10:15
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050182	**Date/Time Analyzed:**	02/19/09 16:25
MSD Sample Aliquot:	10 mL	**Instrument ID:**	023
MSD Dilution Factor:	1		

Analyte	Spike Amount	Sample Result	C	MSD Result	C	% Rec	Q	RPD	Q	QC Limits	
										% Rec	RPD
Mercury	5.00	0.030	J	4.55		90		0.37		90 - 110	10

Form 5A MSD Analysis Data Sheet Equivalent

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9B190134	**Lab Sample ID:**	D9B190000-182C
Matrix:	WATER	**Lab WorkOrder:**	K7EPP
% Moisture:	N/A	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/19/09 13:30
QC Batch ID:	9050182	**Date/Time Analyzed:**	02/19/09 20:18
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Mercury	5.00	4.63	93		90 - 110

Form 7 LCS Analysis Data Sheet Equivalent

Dissolved Metals

-10-

DETECTION LIMITS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

ICP ID Number: _____ Date: 12/26/2008

Flame AA ID Number: Cetac M7500 Hg

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	PQL (ug/L)	MDL (ug/L)	M
Mercury	253.70		0.20	0.027	CV

Comments: _____

Form X - IN

Dissolved Metals

-13-

PREPARATION LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B190134

Method: CV Prep Method: _____

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
MB9050182	2/19/2009	10.0	10.0
Check Sample	2/19/2009	10.0	10.0
INTRA-LAB QC	2/19/2009	10.0	10.0
LAB MS	2/19/2009	10.0	10.0
LAB MSD	2/19/2009	10.0	10.0
ISB1802-01	2/19/2009	10.0	10.0

Comments:

Dissolved Metals
-14-

ANALYSIS RUN LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B190134

Instrument ID Number: Cetac M7500 Hg Method: CV

Start Date: 2/19/2009 End Date: 2/19/2009

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Cal Blank	1.00	15:48																X									
Std1	1.00	15:50																X									
Std2	1.00	15:52																X									
Std3	1.00	15:54																X									
Std4	1.00	15:57																X									
Std5	1.00	15:59																X									
Std6	1.00	16:01																X									
ICB	1.00	16:04																X									
ICV	1.00	16:07																X									
RL	1.00	16:09																X									
CCV	1.00	16:11																X									
CCB	1.00	16:14																X									
MB9050182	1.00	16:16																X									
ZZZZZZ	1.00	16:18																									
INTRA-LAB QC	1.00	16:21																X									
LAB MS	1.00	16:23																X									
LAB MSD	1.00	16:25																X									
ZZZZZZ	1.00	16:27																									
ZZZZZZ	1.00	16:30																									
ZZZZZZ	1.00	16:32																									
ZZZZZZ	1.00	16:34																									
CCV	1.00	16:37																X									
CCB	1.00	16:39																X									
CCV	1.00	17:02																X									
CCB	1.00	17:04																X									
ISB1802-01	1.00	17:07																X									
ZZZZZZ	1.00	17:09																									
ZZZZZZ	1.00	17:11																									
ZZZZZZ	1.00	17:14																									
ZZZZZZ	1.00	17:16																									
ZZZZZZ	1.00	17:18																									
ZZZZZZ	1.00	17:21																									
ZZZZZZ	1.00	17:23																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Dissolved Metals
-14-

ANALYSIS RUN LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B190134

Instrument ID Number: Cetac M7500 Hg Method: CV

Start Date: 2/19/2009 End Date: 2/19/2009

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	17:25																										
CCV	1.00	17:28																X										
CCB	1.00	17:30																X										
CCV	1.00	20:14																X										
CCB	1.00	20:16																X										
Check Sample	1.00	20:18																X										
CCV	1.00	20:21																X										
CCB	1.00	20:23																X										

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

TestAmerica Denver

Sample Receiving Checklist

Lot #: D9B190134 Date/Time Received: 2/18/09 1015

Company Name & Sampling Site: TA Irvine

PM to Complete This Section:	*Yes*	*No*		*Yes*	*No*
Residual chlorine check required:	❑	❑	Quarantined :	❑	❑

Quote #: 72743

Special Instructions:

Time Zone:
• EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 2.6

N/A	*Yes*	*No*		*Initials*
❑	☑	❑	1. Cooler seals intact? (N/A if hand delivered) If no, document on CUR.	
	☑	❑	2. Coolers scanned for radiation. Is the reading ≤ to background levels? Yes: ___ No:___	
	☑	❑	3. Chain of custody present? If no, document on CUR.	
	❑	☑	4. Bottles broken and/or are leaking? If yes, document on CUR.	
	❑	☑	5. Multiphasic samples obvious? If yes, document on CUR.	
	❑	❑	6. Proper container & preservatives used? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR.	
❑	❑	❑	7. pH of all samples checked and meet requirements? If no, document on CUR.	
	❑	❑	8. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003) If no, document on CUR, and contact PM before proceeding.	
	☑	❑	9. Did chain of custody agree with labels ID and samples received? If no, document on CUR.	
❑	❑	❑	10. Were VOA samples without headspace? If no, document on CUR.	
❑	❑	❑	11. Were VOA vials preserved? Preservative ❑HCl ❑4±2°C ❑Sodium Thiosulfate ❑ Ascorbic Acid	
	❑	☑	12. Did samples require preservation with sodium thiosulfate?	
❑	❑	❑	13. If yes to #11, did the samples contain residual chlorine? If yes, document on CUR.	
❑	❑	❑	14. Sediment present in dissolved/filtered bottles? If yes, document on CUR.	
❑	❑	❑	15. Is sufficient volume provided for client requested MS, MSD or matrix duplicates? If no, document on CUR, and contact PM before proceeding.	
	❑	❑	16. Receipt date(s) > 48 hours past the collection date(s)? If yes, notify PA/PM.	
	❑	❑	17. Are analyses with short holding times requested?	
	❑	❑	18. Was a quick Turn Around (TAT) requested?	

TestAmerica Denver

Sample Receiving Checklist

Lot # D9B190134

Login Checks:

Initials MB

N/A	Yes	No		
	☑	☐	19. Sufficient volume provided for all analysis requested? (ref. Attachment D of SOP# DV-QA-0003)	If no, document on CUR, and contact PM before proceeding.
☑	☐	☐	20. Is sufficient volume provided for client requested MS, MSD or matrix duplicates?	If no, document on CUR, and contact PM before proceeding.
	☑	☐	21. Did the chain of custody includes "received by" and "relinquished" by signatures, dates, and times?	
☐	☑	☐	22. Were special log in instructions read and followed?	
☑	☐	☐	23. Were AFCEE metals logged for refrigerated storage?	
	☑	☐	24. Were tests logged checked against the COC? Which samples were confirmed? 1	
☑	☐	☐	25. Was a Rush form completed for quick TAT?	
☑	☐	☐	26. Was a Short Hold form completed for any short holds?	
	☐	☑	27. Were special archiving instructions indicated in the General Comments? If so, what were they?	

Labeling and Storage Checks:

Initials [illegible]

☑	☐	☐	28. Was the subcontract COC signed and sent with samples to bottle prep?	
	☑	☐	29. Were sample labels double-checked by a second person?	
☑	☐	☐	30. Were sample bottles and COC double checked for dissolved/filtered metals by a second person?	
	☑	☐	31. Did the sample ID, Date, and Time from label match what was logged?	
☑	☐	☐	32. Were stickers for special archiving instructions affixed to each box? See #27	
☑	☐	☐	33. Were AFCEE metals stored refrigerated?	

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR).

2.6
A6
IR1
2/18/9

SUBCONTRACT ORDER

TestAmerica Irvine

ISB1802

SENDING LABORATORY:

TestAmerica Irvine
17461 Derian Avenue. Suite 100
Irvine, CA 92614
Phone: (949) 261-1022
Fax: (949) 260-3297
Project Manager: Joseph Doak
Client: MWH-Pasadena/Boeing

RECEIVING LABORATORY:

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone :(303) 736-0100
Fax: (303) 431-7171
Project Location: CA - CALIFORNIA
Receipt Temperature: _____ °C Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: ISB1802-01	**Water**		Sampled: **02/16/09 14:30**			
Level 4 + EDD-OUT	N/A	02/25/09	03/16/09 14:30	$0.00	0%	**LEVEL IV QC, ACCESS 7 EDD**
Mercury - 245.1, Diss -OUT	ug/l	02/25/09	03/16/09 14:30	$36.00	0%	OUT to Denver, Boeing, J flags
Mercury - 245.1-OUT	ug/l	02/17/09	03/16/09 14:30	$36.00	100%	OUT to Denver, Boeing, J flags

Containers Supplied:
125 mL Poly (AX) 1 L Poly w/HNO3 (B)

Released By	Date/Time	Received By	Date/Time
[signature]	02-17-09 16:00	[signature]	2/18/9 1015

Metals

Supporting Documentation

Sample Sequence, Instrument Printouts

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID: D9B190134

Client: TA - Irvine - Boeing

Batch(es) #: 9050182 + 9050174

Associated Samples: 1

I certify that, to the best of my knowledge, the attached package represents a complete and accurate copy of the original data.

Signature/Date: Christopher Grisdale 2/20/09

Metals Raw Data RoadMap

LotID		*Metal*	*WorkOrder*	*Anal Date*	*TestDesc*	*Batch*	*File Id*	*Instr*
D9B190134	1	HG	K7EKN1AC	20090219	M2451DS	9050182	090219AA	023
D9B190134	1	HG	K7EKN1AA	20090219	M2451_L	9050174	090219AA	023

METALS
PREPARATION LOGS
CVAA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

SUPPLEMENTAL METALS PREP SHEET

(Used in conjunction with METALS PREP LOG/BATCH SUMMARY)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Denver

Hg PREP & ANALYSIS - WATERS

SOP: DEN-MT-0015 QC Batch #: 9050182

Prep Date: 02/19/09	Prep By: CGG	Analysis Date: 02/19/09	Analyst: CGG
Balance ID: H53865		***Thermometer ID:*** MT 4025	

Digestion Cycles	Start Time	Temp °C	End Time	Temp °C
	13:30	93	15:30	93

Purple color persists or black ppt present: [X] Yes [ ] No If "No", explain in Comments below.

Digestion Tube Lot # :

For dissolved mercury only, were samples filtered in the lab? [ ] Yes [X] No

One or more samples were filtered prior to analysis at the instrument. [ ] Yes [X] No

If "yes", then the method blank and the LCS were also filtered in the same manner using the same type of filter.

Analyst(s) Initials:

Reagents Used

Reagent	Manufacturer	Lot #	Standards Log #	Vol (mL)
HNO_3	JT Baker	G25032		0.25
H_2SO_4	Fisher	E49F06		0.5
HCl	JT Baker	G36024		used by instrument
10% $SnCl_2$	Fisher	G20637	STD-1027-09	added by instrument
NaCl / NH_2OH	Fisher	G28617	STD-1026-09	0.6
	Fisher	G06476		
$KMnO_4$	Fisher	G10662	STD-0920-09	1.5
$K_2S_2O_8$	Fisher	083661	STD-0351-09	0.8

Parent Calibration Stock Standards

	Lot #	Verification #	Exp. Date
Second Source	A2-HG02056	STD-2364-08	06/01/09
Primary Calibration	H00091	STD-1683-08	05/01/09

Standards Preparation **Final digestate volume = 10 mls**

Standards	Final Conc	Parent Standard	Standards Log #	Vol (mL)	Pipette
Cal Working	10 mg/L	Primary Cal	See Attached Standards Log Printouts	1.00	7
Daily Cal Working	100 ug/L	Cal Working		1.00	7
ICAL 0.2	0.2 ug/L	Daily Cal Working		0.2	7
ICAL 0.5	0.5 ug/L	Daily Cal Working		0.5	7
ICAL 1	1.0 ug/L	Daily Cal Working		1.0	7
ICAL 2	2.0 ug/L	Daily Cal Working		2.0	7
ICAL 5	5.0 ug/L	Daily Cal Working		5.0	24
ICAL 10	10 ug/L	Daily Cal Working		10.0	24
CCV	5 ug/L	Daily Cal Working		5.0	7
ICV Intermed	700 ug/L	ICV Stock		0.70	7
ICV Daily Working	7.0 ug/L	ICV Intermed		1.00	7
LCS	5 ug/L	Daily Cal Working		0.5	7
MS/MSD	5 ug/L	Daily Cal Working		0.5	7
RL	0.2 ug/L	Daily Cal Working		0.2	7

Second Source ICV Intermediate Stock Standard Prep **Standards Log #:** STD-0993-09

NOTE: Details for each reagent & standard prep are documented in the attached Standards Preparation Logbook Record.

Comments Dissolved - 245.1 - Boeing

I certify that all information above is correct and complete.

Signature: Cris Grisdale ***Date:*** 2/20/09

REVIEWED BY: [signature] **Date:** 2/20/09

Batch Number: **9050182**

TestAmerica Laboratories, Inc.
Metals Prep Log/ Batch Summary

Prepared By: CJ

Prep Date: 02/19/09 CJ
Due Date: 02/24/09

Lot	Work Order			Initial Weight/Volume
D9B190000 Water	**K7EPP**	B 1	Due Date: SDG:	10 mL
D9B190000 Water	**K7EPP**	C 2	Due Date: SDG:	10 mL
D9B190119 Water	**K7EHT** Dissolved	3	Due Date: 02/24/09 SDG:	10 mL
D9B190119 Water	**K7EHT** Dissolved	S 4	Due Date: 02/24/09 SDG:	10 mL
D9B190119 Water	**K7EHT** Dissolved	D 5	Due Date: 02/24/09 SDG:	10 mL
D9B190121 Water	**K7EH5** Dissolved	6	Due Date: 02/24/09 SDG:	10 mL
D9B190123 Water	**K7EH6** Dissolved	7	Due Date: 02/24/09 SDG:	10 mL
D9B190125 Water	**K7EJJ** Dissolved	8	Due Date: 02/24/09 SDG:	10 mL
D9B190126 Water	**K7EJ6** Dissolved	9	Due Date: 02/24/09 SDG:	10 mL
D9B190127 Water	**K7EJ8** Dissolved	10	Due Date: 02/24/09 SDG:	10 mL
D9B190128 Water	**K7EJ9** Dissolved	11	Due Date: 02/24/09 SDG:	10 mL
D9B190129 Water	**K7EKA** Dissolved	12	Due Date: 02/24/09 SDG:	10 mL
D9B190130 Water	**K7EKD** Dissolved	13	Due Date: 02/24/09 SDG:	10 mL
D9B190131 Water	**K7EKE** Dissolved	14	Due Date: 02/24/09 SDG:	10 mL
D9B190132 Water	**K7EKK** Dissolved	15	Due Date: 02/24/09 SDG:	10 mL
D9B190133 Water	**K7EKJ** Dissolved	16	Due Date: 02/24/09 SDG:	10 mL
D9B190134 Water	**K7EKN** Dissolved	17	Due Date: 02/24/09 SDG:	10 mL
D9B190135 Water	**K7EKM** Dissolved	18	Due Date: 02/24/09 SDG:	10 mL
D9B190137 Water	**K7EKW** Dissolved	19	Due Date: 02/24/09 SDG:	10 mL
D9B190138 Water	**K7EKX** Dissolved	20	Due Date: 02/24/09 SDG:	10 mL

✓ 2/20/09

Batch Number: **9050182**

TestAmerica Laboratories, Inc.
Metals Prep Log/ Batch Summary

Prepared By: CD

Prep Date: 02/19/09 CD
Due Date: 02/24/09

Lot	Work Order	Initial Weight/Volume

Comments:

B-BLANK; C-CHECK SAMPLE; L-CHECK SAMPLE DUPLICATE; P-SERIAL DILUTION; S-MATRIX SPIKE SAMPLE; D-MATRIX SPIKE DUPLICATE SAMPLE

SUPPLEMENTAL METALS PREP SHEET

(Used in conjunction with METALS PREP LOG/BATCH SUMMARY)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Denver

Hg PREP & ANALYSIS - WATERS

SOP: DEN-MT-0015 QC Batch #: 9050174

Prep Date: 02/19/09	Prep By: CGG	Analysis Date: 02/19/09	Analyst: CGG
Balance ID: H53865		***Thermometer ID:*** MT 4025	

Digestion Cycles	Start Time	Temp °C	End Time	Temp °C
	13:30	93	15:30	93

Purple color persists or black ppt present: [X] Yes [ ] No If "No", explain in Comments below.

Digestion Tube Lot # :

For dissolved mercury only, were samples filtered in the lab? [ ] Yes [X] No

One or more samples were filtered prior to analysis at the instrument. [X] Yes [ ] No

If "yes", then the method blank and the LCS were also filtered in the same manner using the same type of filter.

Analyst(s) Initials: CG

Reagents Used

Reagent	Manufacturer	Lot #	Standards Log #	Vol (mL)
HNO_3	JT Baker	G25032		0.25
H_2SO_4	Fisher	E49F06		0.5
HCl	JT Baker	G36024		used by instrument
10% $SnCl_2$	Fisher	G20637	STD-1027-09	added by instrument
NaCl / NH_2OH	Fisher	G28617	STD-1026-09	0.6
	Fisher	G06476		
$KMnO_4$	Fisher	G10662	STD-0920-09	1.5
$K_2S_2O_8$	Fisher	083661	STD-0351-09	0.8

Parent Calibration Stock Standards

	Lot #	Verification #	Exp. Date
Second Source	A2-HG02056	STD-2364-08	06/01/09
Primary Calibration	H00091	STD-1683-08	05/01/09

Standards Preparation **Final digestate volume = 10 mls**

Standards	Final Conc	Parent Standard	Standards Log #	Vol (mL)	Pipette
Cal Working	10 mg/L	Primary Cal	See Attached Standards Log Printouts	1.00	7
Daily Cal Working	100 ug/L	Cal Working		1.00	7
ICAL 0.2	0.2 ug/L	Daily Cal Working		0.2	7
ICAL 0.5	0.5 ug/L	Daily Cal Working		0.5	7
ICAL 1	1.0 ug/L	Daily Cal Working		1.0	7
ICAL 2	2.0 ug/L	Daily Cal Working		2.0	7
ICAL 5	5.0 ug/L	Daily Cal Working		5.0	24
ICAL 10	10 ug/L	Daily Cal Working		10.0	24
CCV	5 ug/L	Daily Cal Working		5.0	7
ICV Intermed	700 ug/L	ICV Stock		0.70	7
ICV Daily Working	7.0 ug/L	ICV Intermed		1.00	7
LCS	5 ug/L	Daily Cal Working		0.5	7
MS/MSD	5 ug/L	Daily Cal Working		0.5	7
RL	0.2 ug/L	Daily Cal Working		0.2	7

Second Source ICV Intermediate Stock Standard Prep **Standards Log #:** STD-0993-09

NOTE: Details for each reagent & standard prep are documented in the attached Standards Preparation Logbook Record.

Comments Total - 245.1 - Boeing

I certify that all information above is correct and complete.

Signature: Chris Grisdale ***Date:*** 2/20/09

REVIEWED BY: [illegible] **Date:** 2/20/09

Batch Number: **9050174**

TestAmerica Laboratories, Inc.
Metals Prep Log/ Batch Summary

Prepared By: CD

Prep Date: 02/19/09 CD
Due Date: 02/24/09

Lot	Work Order			Initial Weight/Volume
D9B190000 Water	**K7EN8**	B 1	Due Date: SDG:	10 mL
D9B190000 Water	**K7EN8**	C 2	Due Date: SDG:	10 mL
D9B190119 Water	**K7EHT** Total	3	Due Date: 02/24/09 SDG:	10 mL
D9B190119 Water	**K7EHT** Total	S 4	Due Date: 02/24/09 SDG:	10 mL
D9B190119 Water	**K7EHT** Total	D 5	Due Date: 02/24/09 SDG:	10 mL
D9B190121 Water	**K7EH5** Total	6	Due Date: 02/24/09 SDG:	10 mL
D9B190123 Water	**K7EH6** Total	7	Due Date: 02/24/09 SDG:	10 mL
D9B190125 Water	**K7EJJ** Total	8	Due Date: 02/24/09 SDG:	10 mL
D9B190126 Water	**K7EJ6** Total	9	Due Date: 02/24/09 SDG:	10 mL
D9B190127 Water	**K7EJ8** Total	10	Due Date: 02/24/09 SDG:	10 mL
D9B190128 Water	**K7EJ9** Total	11	Due Date: 02/24/09 SDG:	10 mL
D9B190129 Water	**K7EKA** Total	12	Due Date: 02/24/09 SDG:	10 mL
D9B190130 Water	**K7EKD** Total	13	Due Date: 02/24/09 SDG:	MA, 10 mL
~~D9B190131~~ Water	~~**K7EKE**~~ Total	14	Due Date: 02/24/09 SDG:	No total Vol. Received CD 2/18/09 10 mL
D9B190132 Water	**K7EKK** Total	15	Due Date: 02/24/09 SDG:	10 mL
D9B190133 Water	**K7EKJ** Total	16	Due Date: 02/24/09 SDG:	10 mL
D9B190134 Water	**K7EKN** Total	17	Due Date: 02/24/09 SDG:	10 mL
D9B190135 Water	**K7EKM** Total	18	Due Date: 02/24/09 SDG:	10 mL
D9B190137 Water	**K7EKW** Total	19	Due Date: 02/24/09 SDG:	10 mL
D9B190138 Water	**K7EKX** Total	20	Due Date: 02/24/09 SDG:	10 mL

✓

✓ 2/20/09

Batch Number: **9050174**

TestAmerica Laboratories, Inc.
Metals Prep Log/ Batch Summary

Prepared By: CS

Prep Date: 02/19/09 CS

Due Date: 02/24/09

Lot	Work Order	Initial Weight/Volume

Comments:

B-BLANK; C-CHECK SAMPLE; L-CHECK SAMPLE DUPLICATE; P-SERIAL DILUTION; S-MATRIX SPIKE SAMPLE; D-MATRIX SPIKE DUPLICATE SAMPLE

METALS
SAMPLE DATA
CVAA

TestAmerica

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TestAmerica Denver

Standards Preparation Logbook Record

Feb-20-2009

Logbook: \\Densvr06\StdsLog\metals.std

STD1683-08, 1000 mg/L Hg Calibration Stock Standard (Ultra)

Analyst: grisdalec

Vendor: Ultra Scientific (Metals) Lot No.: H00091 Vendor's Expiration Date: 05-01-2009
Solvent: 2% HN03
Date Prep./Opened: 04-03-2008 Date Received: 03-31-2008
Date Expires(1): 04-03-2009 (1 Year)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by 0 (Verification ID: -)

Component	Initial Conc (%)	Final Conc (%)
Mercuric Nitrate	100.00	100.00

STD2364-08, Hg Inorganic Ventures ICV 100ppm Std

Analyst: grisdalec

Vendor: Inorganic Ventures Lot No.: A2-HG02056 Vendor's Expiration Date: 06-01-2009
Solvent: 3.3%HCl
Date Prep./Opened: 05-01-2008 Date Received: 05-02-2007
Date Expires(1): 05-01-2009 (1 Year)
Date Expires(2): 06-01-2009 (None)
Date Verified: 12-31--4714 by 0 (Verification ID: -)

Component	Initial Conc (mg/L)	Final Conc (mg/L)
Hg	100.00	100.00

STD0437-09, 10 mg/L Hg Calibration Std

Analyst: wellsd

Solvent: 1% HN03 Lot No.: G02058 Volume (ml): 100.00
Date Prep./Opened: 01-26-2009
Date Expires(1): 02-26-2009 (1 Month)
Date Expires(2): 02-26-2009 (1 Month)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD1683-08, 1000 mg/L Hg Calibration Stock Standard (Ultra) Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 04-03-2009 Parent Date Expires(2): 05-01-2009

Component	Initial Conc (%)	Final Conc (mg/L)
Mercuric Nitrate	100.00	10,000

STD0993-09, Hg Inorganic Ventures ICV 700ppb — Analyst: GRISDALEC

Solvent: 1% HNO3 — Lot No.: G02058 — Volume (ml): 100.00
Date Prep./Opened: 02-18-2009
Date Expires(1): 03-04-2009 (2 Weeks)
Date Expires(2): 06-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD2364-08, Hg Inorganic Ventures ICV 100ppm Std — Aliquot Amount (ml): 0.7000
Parent Date Expires(1): 05-01-2009 Parent Date Expires(2): 06-01-2009

Component	Initial Conc (mg/L)	Final Conc (ug/L)
Hg	100.00	700.00

STD1017-09, 100 ppb Hg Calibration Std — Analyst: GRISDALEC

Solvent: 1% HN03 — Lot No.: G17027 — Volume (ml): 100.00
Date Prep./Opened: 02-19-2009
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0437-09, 10 mg/L Hg Calibration Std — Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 02-26-2009 Parent Date Expires(2): 02-26-2009

Component	Initial Conc (mg/L)	Final Conc (ug/ml)
Mercuric Nitrate	10,000	100.00

STD1018-09, Blank Daily Hg Calibration Std — Analyst: GRISDALEC

Vendor: Baker — Lot No.: G17027
Solvent: 1% HN03
Date Prep./Opened: 02-19-2009
Date Expires(1): 08-19-2009 (6 Months)
Date Expires(2): 02-19-2010 (1 Year)
Date Verified: 12-31--4714 by 0 (Verification ID: -)

Component	Initial Conc (%)	Final Conc (%)
Nitric Acid	1.0000	1.0000

STD1019-09, 0.2 ppb Daily Hg Calibration Std — Analyst: GRISDALEC

Solvent: 1% HN03 — Lot No.: G17027 — Volume (ml): 100.00
Date Prep./Opened: 02-19-2009
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD1017-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 0.2000
Parent Date Expires(1): 02-20-2009 Parent Date Expires(2): 05-01-2009

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	100.00	0.2000

STD1020-09, 0.5 ppb Daily Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-19-2009
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD1017-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 02-20-2009 Parent Date Expires(2): 05-01-2009

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	100.00	0.5000

STD1021-09, 1.0 ppb Daily Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-19-2009
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD1017-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 02-20-2009 Parent Date Expires(2): 05-01-2009

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	100.00	1.0000

STD1022-09, 2.0 ppb Daily Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-19-2009
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD1017-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 2.0000
Parent Date Expires(1): 02-20-2009 Parent Date Expires(2): 05-01-2009

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	100.00	2.0000

STD1023-09, 5.0 ppb Daily Hg Calibration Std — Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-19-2009
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD1017-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 02-20-2009 Parent Date Expires(2): 05-01-2009

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	100.00	5.0000

STD1024-09, 10.0 ppb Daily Hg Calibration Std — Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-19-2009 Date Consumed: 12-06-2006
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD1017-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 10.000
Parent Date Expires(1): 02-20-2009 Parent Date Expires(2): 05-01-2009

Component	Initial Conc (ug/ml)	Final Conc (ug/ml)
Mercuric Nitrate	100.00	10.000

STD1025-09, Hg Daily ICV 7ppb Calibration Std — Analyst: GRISDALEC

Solvent: 1% HNO3 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-19-2009
Date Expires(1): 02-20-2009 (1 Day)
Date Expires(2): 06-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0993-09, Hg Inorganic Ventures ICV 700ppb Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 03-04-2009 Parent Date Expires(2): 06-01-2009

Component	Initial Conc (ug/L)	Final Conc (ug/L)
Hg	700.00	7.0000

Reviewed By: Christopher Grisdale 2/20/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/20/09 07:53:42

Sequence: 090219AA **Date:** 02/19/09 15:48 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
1	Cal Blank				0.00	1.0	0.00	ppb		02/19/09 15:48		☐
2	Std1	= 0.200			0.20	1.0	0.20	ppb	100.0%	02/19/09 15:50		☐
3	Std2	= 0.500			0.50	1.0	0.50	ppb	100.0%	02/19/09 15:52		☐
4	Std3	= 1.00			1.00	1.0	1.00	ppb	100.0%	02/19/09 15:54		☐
5	Std4	= 2.00			2.00	1.0	2.00	ppb	100.0%	02/19/09 15:57		☐
6	Std5	= 5.00			5.00	1.0	5.00	ppb	100.0%	02/19/09 15:59		☐
7	Std6	= 10.0			10.00	1.0	10.00	ppb	100.0%	02/19/09 16:01		☐
8	ICB				-0.00	1.0	-0.00	ppb		02/19/09 16:04		☐
9	ICV	= 7.00			7.09	1.0	7.09	ppb	101.2%	02/19/09 16:07		☐
10	RL	= 0.200			0.19	1.0	0.19	ppb		02/19/09 16:09		☐
11	CCV	= 5.00			5.11	1.0	5.11	ppb	102.2%	02/19/09 16:11		☐
12	CCB				0.00	1.0	0.00	ppb		02/19/09 16:14		☐
13	K7EPPBF	D9B190000	9050182		0.00	1.0	0.00	ppb		02/19/09 16:16		☐
~~14~~	~~K7EPPCF~~	~~D9B190000 = 5.00~~	~~9050182~~		~~4.37~~	~~1.0~~	~~4.37~~	~~ppb~~	~~87.5%~~	~~02/19/09 16:18~~	NA Bad read, see Reruns later. cs 2/20/09	☐
15	K7EHTF	D9B190119-1	9050182	AQUEOUS	0.03	1.0	0.03	ppb		02/19/09 16:21		☐
16	K7EHTSF	D9B190119-1 = 5.00	9050182	AQUEOUS	4.57	1.0	4.57	ppb		02/19/09 16:23		☐
17	K7EHTDF	D9B190119-1 = 5.00	9050182	AQUEOUS	4.55	1.0	4.55	ppb		02/19/09 16:25		☐
~~18~~	~~K7EHTSE~~	~~D9B190119-1 = 5.00~~	~~9050182~~	~~AQUEOUS~~	~~4.65~~	~~1.0~~	~~4.65~~	~~ppb~~		~~02/19/09 16:27~~		☐
~~19~~	~~K7EHTDF~~	~~D9B190119-1 = 5.00~~	~~9050182~~	~~AQUEOUS~~	~~4.65~~	~~1.0~~	~~4.65~~	~~ppb~~		~~02/19/09 16:30~~	NA Confirms above cs 2/20/09	☐
20	K7EH5F	D9B190121-1	9050182	AQUEOUS	0.02	1.0	0.02	ppb		02/19/09 16:32		☐
21	K7EH6F	D9B190123-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:34		☐
22	CCV	= 5.00			4.97	1.0	4.97	ppb	99.5%	02/19/09 16:37		☐
23	CCB				0.00	1.0	0.00	ppb		02/19/09 16:39		☐
24	K7EJJF	D9B190125-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:41		☐
25	K7EJ6F	D9B190126-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:44		☐
26	K7EJ8F	D9B190127-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:46		☐
27	K7EJ9F	D9B190128-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:48		☐
28	K7EKAF	D9B190129-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:51		☐
29	K7EKDF	D9B190130-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:53		☐
30	K7EKEF	D9B190131-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 16:55		☐
31	K7EKKF	D9B190132-1	9050182	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 16:57		☐
32	K7EKJ	D9B190133-1	~~9050174~~ 9050182	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 17:00		☐
33	CCV	= 5.00			4.88	1.0	4.88	ppb	97.6%	02/19/09 17:02		☐
34	CCB				-0.00	1.0	-0.00	ppb		02/19/09 17:04		☐

cs 2/20/09

cs 2/20/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/20/09 07:53:42

Sequence: 090219AA **Date:** 02/19/09 15:48 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	K7EKNF	D9B190134-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 17:07		☐
36	K7EKMF	D9B190135-1	9050182	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 17:09		☐
37	K7EKWF	D9B190137-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 17:11		☐
38	K7EKXF	D9B190138-1	9050182	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 17:14		☐
39	K7EN8B	D9B190000	9050174		0.00	1.0	0.00	ppb		02/19/09 17:16		☐
40	K7EN8C	D9B190000 = 5.00	9050174		4.78	1.0	4.78	ppb	95.6%	02/19/09 17:18		☐
41	K7EHT	D9B190119-1	9050174	AQUEOUS	0.03	1.0	0.03	ppb		02/19/09 17:21		☐
42	K7EHTS	D9B190119-1 = 5.00	9050174	AQUEOUS	4.29	1.0	4.29	ppb		02/19/09 17:23		☐
43	K7EHTD	D9B190119-1 = 5.00	9050174	AQUEOUS	4.29	1.0	4.29	ppb		02/19/09 17:25		☐
44	CCV	= 5.00			4.93	1.0	4.93	ppb	98.6%	02/19/09 17:28		☐
45	CCB				-0.00	1.0	-0.00	ppb		02/19/09 17:30		☐
~~46~~	~~K7EHTS~~	~~D9B190119-1 = 5.00~~	~~9050174~~	~~AQUEOUS~~	~~4.25~~	~~1.0~~	~~4.25~~	~~ppb~~		~~02/19/09 17:32~~	NA confirms above MS/MSD low.	☐
~~47~~	~~K7EHTD~~	~~D9B190119-1 = 5.00~~	~~9050174~~	~~AQUEOUS~~	~~4.29~~	~~1.0~~	~~4.29~~	~~ppb~~		~~02/19/09 17:34~~		☐
48	K7EH5	D9B190121-1	9050174	AQUEOUS	0.04	1.0	0.04	ppb		02/19/09 17:37		☐
49	K7EH6	D9B190123-1	9050174	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 17:39		☐
50	K7EJJ	D9B190125-1	9050174	AQUEOUS	0.05	1.0	0.05	ppb		02/19/09 17:41		☐
51	K7EJ6	D9B190126-1	9050174	AQUEOUS	0.04	1.0	0.04	ppb		02/19/09 17:44		☐
52	K7EJ8	D9B190127-1	9050174	AQUEOUS	0.02	1.0	0.02	ppb		02/19/09 17:46		☐
53	K7EJ9	D9B190128-1	9050174	AQUEOUS	0.05	1.0	0.05	ppb		02/19/09 17:48		☐
54	K7EKA	D9B190129-1	9050174	AQUEOUS	0.05	1.0	0.05	ppb		02/19/09 17:51		☐
55	CCV	= 5.00			4.92	1.0	4.92	ppb	98.5%	02/19/09 17:53		☐
56	CCB				-0.00	1.0	-0.00	ppb		02/19/09 17:55		☐
57	K7EKD	D9B190130-1	9050174	AQUEOUS	0.03	1.0	0.03	ppb		02/19/09 17:57		☐
58	K7EKK	D9B190132-1	9050174	AQUEOUS	0.11	1.0	0.11	ppb		02/19/09 18:00		☐
59	K7EKJ	D9B190133-1	9050174	AQUEOUS	0.03	1.0	0.03	ppb		02/19/09 18:02		☐
60	K7EKN	D9B190134-1	9050174	AQUEOUS	0.02	1.0	0.02	ppb		02/19/09 18:04		☐
61	K7EKM	D9B190135-1	9050174	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 18:07		☐
62	K7EKW	D9B190137-1	9050174	AQUEOUS	0.07	1.0	0.07	ppb		02/19/09 18:09		☐
63	K7EKX	D9B190138-1	9050174	AQUEOUS	0.03	1.0	0.03	ppb		02/19/09 18:11		☐
64	K7EN3B	D9B190000	9050173		-0.00	1.0	-0.00	ppb		02/19/09 18:14		☐
65	K7EN3C	D9B190000 = 5.00	9050173		4.83	1.0	4.83	ppb	96.6%	02/19/09 18:16		☐
66	CCV	= 5.00			4.96	1.0	4.96	ppb	99.3%	02/19/09 18:18		☐
67	CCB				-0.00	1.0	-0.00	ppb		02/19/09 18:20		☐
68	K7DXC	D9B180282-1	9050173	AQUEOUS	0.16	1.0	0.16	ppb		02/19/09 18:23		☐

JCJ 2/20/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/20/09 07:53:42

Sequence: 090219AA **Date:** 02/19/09 15:48 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
69	K7DXCS	D9B180282-1 = 5.00	9050173	AQUEOUS	4.55	1.0	4.55	ppb		02/19/09 18:25		☐
70	K7DXCD	D9B180282-1 = 5.00	9050173	AQUEOUS	4.91	1.0	4.91	ppb		02/19/09 18:27		☐
71	K7EF3	D9B190114-1	9050173	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 18:30		☐
72	K7EGE	D9B190114-3	9050173	AQUEOUS	0.09	1.0	0.09	ppb		02/19/09 18:32		☐
73	K7EGM	D9B190114-5	9050173	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 18:34		☐
74	K7EGQ	D9B190114-7	9050173	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 18:37		☐
75	K7EG3	D9B190114-9	9050173	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 18:39		☐
76	K7EHD	D9B190114-11	9050173	AQUEOUS	0.80	1.0	0.80	ppb		02/19/09 18:41		☐
77	CCV	= 5.00			4.97	1.0	4.97	ppb	99.4%	02/19/09 18:44		☐
78	CCB				0.00	1.0	0.00	ppb		02/19/09 18:46		☐
79	K7D19BT	D9B180000	9050172		0.00	1.0	0.00	ppb		02/19/09 18:48		☐
80	K7ENVCT	D9B190000 = 5.00	9050172		4.92	1.0	4.92	ppb	98.4%	02/19/09 18:50		☐
81	K7A6XT	D9B170257-1	9050172	LEACHATE	0.05	1.0	0.05	ppb		02/19/09 18:53		☐
82	K7A6XP5T	D9B170257	9050172	LEACHATE	0.01	5.0	0.01	ppb		02/19/09 18:55		☐
83	K7A6XST	D9B170257-1 = 5.00	9050172	LEACHATE	4.78	1.0	4.78	ppb		02/19/09 18:57		☐
84	K7A6XDT	D9B170257-1 = 5.00	9050172	LEACHATE	4.19	1.0	4.19	ppb		02/19/09 19:00		☐
85	K7D2VBT	D9B180000	9050170		0.00	1.0	0.01	ppb		02/19/09 19:02		☐
86	K7ENRCT	D9B190000 = 5.00	9050170		4.98	1.0	4.98	ppb	99.5%	02/19/09 19:04		☐
87	K7A62T	D9B170257-2	9050170	LEACHATE	0.00	1.0	0.00	ppb		02/19/09 19:07		☐
88	CCV	= 5.00			5.10	1.0	5.10	ppb	101.9%	02/19/09 19:09		☐
89	CCB				-0.00	1.0	-0.00	ppb		02/19/09 19:11		☐
90	K7A62P5T	D9B170257	9050170	LEACHATE	0.00	5.0	0.01	ppb		02/19/09 19:14		☐
91	K7A62ST	D9B170257-2 = 5.00	9050170	LEACHATE	5.27	1.0	5.27	ppb		02/19/09 19:16		☐
92	K7A62DT	D9B170257-2 = 5.00	9050170	LEACHATE	4.85	1.0	4.85	ppb		02/19/09 19:18		☐
93	K7EPWBF	D9B190000	9050183		-0.00	1.0	-0.00	ppb		02/19/09 19:21		☐
94	K7EPWCF	D9B190000 = 5.00	9050183		5.06	1.0	5.06	ppb	101.3%	02/19/09 19:23		☐
95	K7D51			AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 19:25		☐
96	K7D51SF	D9B180302-2 = 5.00	9050183	AQUEOUS	5.21	1.0	5.21	ppb		02/19/09 19:27		☐
97	K7D51DF	D9B180302-2 = 5.00	9050183	AQUEOUS	5.06	1.0	5.06	ppb		02/19/09 19:30		☐
98	K7D55F	D9B180302-4	9050183	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 19:32		☐
99	CCV	= 5.00			5.10	1.0	5.10	ppb	101.9%	02/19/09 19:34		☐
100	CCB				0.00	1.0	0.00	ppb		02/19/09 19:37		☐
101	K7D57F	D9B180302-6	9050183	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 19:39		☐
102	K7D59F	D9B180302-8	9050183	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 19:41		☐

JCS 2/20/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/20/09 07:53:42

Sequence: 090219AA **Date:** 02/19/09 15:48 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
103	K7D6FF	D9B180302-10	9050183	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 19:44		☐
104	K7D6HF	D9B180302-12	9050183	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 19:46		☐
105	K7D6LF	D9B180302-14	9050183	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 19:48		☐
106	K7EPKB	D9B190000	9050181		-0.00	1.0	-0.00	ppb		02/19/09 19:51		☐
107	K7EPKC	D9B190000 = 5.00	9050181		4.97	1.0	4.97	ppb	99.4%	02/19/09 19:53		☐
108	K7D5W	D9B180302-1	9050181	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 19:55		☐
109	K7D5WS	D9B180302-1 = 5.00	9050181	AQUEOUS	4.67	1.0	4.67	ppb		02/19/09 19:57		☐
110	CCV	= 5.00			5.13	1.0	5.13	ppb	102.6%	02/19/09 20:00		☐
111	CCB				-0.00	1.0	-0.00	ppb		02/19/09 20:02		☐
112	K7D5WD	D9B180302-1 = 5.00	9050181	AQUEOUS	4.66	1.0	4.66	ppb		02/19/09 20:04		☐
113	K7D52	D9B180302-3	9050181	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 20:07		☐
114	K7D56	D9B180302-5	9050181	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 20:09		☐
115	CCV	= 5.00			5.13	1.0	5.13	ppb	102.5%	02/19/09 20:14		☐
116	CCB				0.00	1.0	0.00	ppb		02/19/09 20:16		☐
117	K7EPPCF	D9B190000 = 5.00	9050182		4.63	1.0	4.63	ppb	92.5%	02/19/09 20:18	ok	☐
118	CCV	= 5.00			5.10	1.0	5.10	ppb	101.9%	02/19/09 20:21		☐
119	CCB				0.00	1.0	0.00	ppb		02/19/09 20:23		☐
120	K7D58	D9B180302-7	9050181	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 20:25		☐
121	K7D6E	D9B180302-9	9050181	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 20:28		☐
122	K7D6G	D9B180302-11	9050181	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 20:30		☐
123	K7D6K	D9B180302-13	9050181	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 20:32		☐
124	K7EPFB	D9B190000	9050177		-0.00	1.0	-0.00	ppb		02/19/09 20:35		☐
125	K7EPFC	D9B190000 = 5.00	9050177		5.06	1.0	5.06	ppb	101.2%	02/19/09 20:37		☐
126	CCV	= 5.00			5.16	1.0	5.16	ppb	103.2%	02/19/09 20:39		☐
127	CCB				-0.00	1.0	-0.00	ppb		02/19/09 20:42		☐
128	K7C9X	D9B180183-1	9050177	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 20:44		☐
129	K7C9XS	D9B180183-1 = 5.00	9050177	AQUEOUS	4.99	1.0	4.99	ppb		02/19/09 20:46		☐
130	K7C9XD	D9B180183-1 = 5.00	9050177	AQUEOUS	5.03	1.0	5.03	ppb		02/19/09 20:49		☐
131	K7C90	D9B180183-2	9050177	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 20:51		☐
132	K7C91	D9B180183-3	9050177	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 20:53		☐
133	K7C92	D9B180183-4	9050177	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 20:55		☐
134	K7C93	D9B180183-5	9050177	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 20:58		☐
135	K7C95	D9B180183-7	9050177	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 21:00		☐
136	K7DA9	D9B180189-1	9050177	AQUEOUS	0.08	1.0	0.08	ppb		02/19/09 21:02		☐

JCS 2/20/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/20/09 07:53:42

Sequence: 090219AA **Date:** 02/19/09 15:48 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
137	CCV	= 5.00			5.03	1.0	5.03	ppb	100.7%	02/19/09 21:05		☐
138	CCB				0.00	1.0	0.00	ppb		02/19/09 21:07		☐
139	K7DQ6	D9B180260-1	9050177	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 21:09		☐
140	K7DRC	D9B180260-2	9050177	AQUEOUS	0.24	1.0	0.24	ppb		02/19/09 21:12		☐
141	K7DRW	D9B180264-1	9050177	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 21:14		☐
142	K7DRX	D9B180264-2	9050177	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 21:16		☐
143	K7DR0	D9B180264-3	9050177	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 21:19		☐
144	K7EPHB	D9B190000	9050178		-0.00	1.0	-0.00	ppb		02/19/09 21:21		☐
145	K7EPHC	D9B190000 = 5.00	9050178		5.07	1.0	5.07	ppb	101.4%	02/19/09 21:23		☐
146	K7DCL	D9B180192-1	9050178	AQUEOUS	-0.00	1.0	-0.00	ppb		02/19/09 21:26		☐
147	K7DCLS	D9B180192-1 = 5.00	9050178	AQUEOUS	4.99	1.0	4.99	ppb		02/19/09 21:28		☐
148	CCV	= 5.00			5.11	1.0	5.11	ppb	102.3%	02/19/09 21:30		☐
149	CCB				0.00	1.0	0.00	ppb		02/19/09 21:32		☐
150	K7DCLD	D9B180192-1 = 5.00	9050178	AQUEOUS	5.04	1.0	5.04	ppb		02/19/09 21:35		☐
151	K7DCV	D9B180192-2	9050178	AQUEOUS	0.01	~~1.0~~	0.01	ppb		02/19/09 21:37		☐
152	K7DCW	D9B180192-3	9050178	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 21:39		☐
153	K7DCX	D9B180192-4	9050178	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 21:42		☐
154	K7DC0	D9B180192-5	9050178	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 21:44		☐
155	K7DC1	D9B180192-6	9050178	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 21:46		☐
156	K7DC5	D9B180192-7	9050178	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 21:49		☐
157	CCV	= 5.00			5.11	1.0	5.11	ppb	102.1%	02/19/09 21:51		☐
158	CCB				0.00	1.0	0.00	ppb		02/19/09 21:53		☐
159	K7DC9	D9B180192-8	9050178	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 21:56		☐
160	K7DDD	D9B180192-9	9050178	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 21:58		☐
161	K7DDG	D9B180192-10	9050178	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 22:00		☐
162	K7DDL	D9B180192-11	9050178	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 22:03		☐
163	K7DDQ	D9B180192-12	9050178	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 22:05		☐
164	K7DLC	D9B180238-1	9050178	AQUEOUS	0.01	1.0	0.01	ppb		02/19/09 22:07		☐
165	K7DLK	D9B180238-3	9050178	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 22:10		☐
166	K7DLM	D9B180238-5	9050178	AQUEOUS	0.00	1.0	0.01	ppb		02/19/09 22:12		☐
167	K7DLR	D9B180238-7	9050178	AQUEOUS	0.00	1.0	0.00	ppb		02/19/09 22:14		☐
168	CCV	= 5.00			5.11	1.0	5.11	ppb	102.3%	02/19/09 22:17		☐
169	CCB				-0.00	1.0	-0.00	ppb		02/19/09 22:19		☐

JCS 2/20/09

CETAC Hg Analysis Report

Analyst: grisdalec
Worksheet file: C:\Program Files\QuickTrace\Worksheets\090219AA.wsz
Date Started: 2/19/2009 2:59:16 PM
Comment:

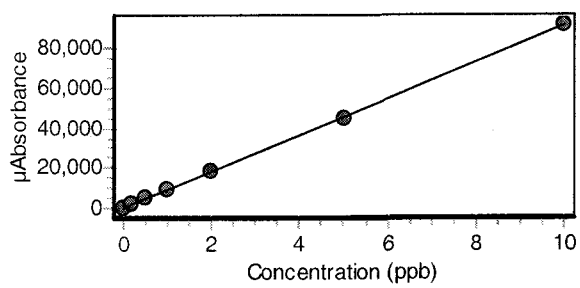
Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
Cal Blank	STD	02/19/09 03:48:02 pm	0.000	14	18.60		1.00	1.00 1.00
Std1	STD	02/19/09 03:50:20 pm	0.200	1787	0.12		1.00	1.00 1.00
Std2	STD	02/19/09 03:52:38 pm	0.500	4635	0.61		1.00	1.00 1.00
Std3	STD	02/19/09 03:54:57 pm	1.000	9314	0.41		1.00	1.00 1.00
Std4	STD	02/19/09 03:57:16 pm	2.000	18476	0.80		1.00	1.00 1.00
Std5	STD	02/19/09 03:59:36 pm	5.000	45013	0.78		1.00	1.00 1.00
Std6	STD	02/19/09 04:01:57 pm	10.000	91311	0.59		1.00	1.00 1.00

Calibration

Equation: A = 39.070 + 9105.741C
R2: 0.99993
SEE: 296.9909
Flags:

Checked 2/20/09



ICB	ICB	02/19/09 04:04:55 pm	-0.002	25	14.57		1.00	1.00 1.00
ICV	ICV	02/19/09 04:07:16 pm	7.087	64572	0.59		1.00	1.00 1.00
% Recovery 101.24								
RL	CRDL	02/19/09 04:09:34 pm	0.193	1799	0.58		1.00	1.00 1.00
% Recovery 96.66								

TestAmerica

NPDES 2-20-09 64

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV	CCV	02/19/09 04:11:54 pm	5.110 ✓	46567	0.20		1.00	1.00
% Recovery 102.20 ✓							1.00	
CCB	CCB	02/19/09 04:14:11 pm	0.000 ✓	42	6.48		1.00	1.00
							1.00	
K7EPPB	UNK	02/19/09 04:16:28 pm	0.001 ✓	45	4.22		1.00	1.00
							1.00	
NA, Bad read see rerun below. CJ 2/20/09								
~~K7EPPC~~	~~UNK~~	~~02/19/09 04:18:46 pm~~	~~4.374~~	~~30865~~	~~1.13~~		~~1.00~~	1.00
							1.00	
K7EHT	UNK	02/19/09 04:21:03 pm	0.030	316	1.36		1.00	1.00
							1.00	
K7EHTS	UNK	02/19/09 04:23:21 pm	4.566 ✓	41619	2.55		1.00	1.00
							1.00	
K7EHTD	UNK	02/19/09 04:25:40 pm	4.549 ✓	41460	0.52		1.00	1.00
							1.00	
~~K7EHTS~~	~~UNK~~	~~02/19/09 04:27:57 pm~~	~~4.652~~	~~42398~~	~~2.56~~		~~1.00~~	1.00
							1.00	
NA, Confirms above CJ 2/20/09								
~~K7EHTD~~	~~UNK~~	~~02/19/09 04:30:16 pm~~	~~4.650~~	~~42381~~	~~1.77~~		~~1.00~~	1.00
							1.00	
K7EH5	UNK	02/19/09 04:32:34 pm	0.019	208	1.56		1.00	1.00
							1.00	
K7EH6	UNK	02/19/09 04:34:53 pm	0.010	133	2.27		1.00	1.00
							1.00	
CCV	CCV	02/19/09 04:37:13 pm	4.974 ✓	45335	0.38		1.00	1.00
% Recovery 99.49 ✓							1.00	
CCB	CCB	02/19/09 04:39:30 pm	0.000 ✓	43	5.83		1.00	1.00
							1.00	
K7EJJ	UNK	02/19/09 04:41:49 pm	0.007	102	0.79		1.00	1.00
							1.00	
K7EJ6	UNK	02/19/09 04:44:09 pm	0.007	104	3.75		1.00	1.00
							1.00	
K7EJ8	UNK	02/19/09 04:46:28 pm	0.012	149	4.73		1.00	1.00
							1.00	
K7EJ9	UNK	02/19/09 04:48:48 pm	0.007	99	1.47		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
K7EKA	UNK	02/19/09 04:51:08 pm	0.008	109	4.30		1.00	1.00	1.00
K7EKD	UNK	02/19/09 04:53:25 pm	0.012	147	1.74		1.00	1.00	1.00
K7EKE	UNK	02/19/09 04:55:42 pm	0.010	127	1.45		1.00	1.00	1.00
K7EKK	UNK	02/19/09 04:57:59 pm	0.005	87	1.20		1.00	1.00	1.00
K7EKJ	UNK	02/19/09 05:00:17 pm	0.004	76	3.46		1.00	1.00	1.00
CCV	CCV	02/19/09 05:02:37 pm	4.879 ✓	44465	0.80		1.00	1.00	1.00
% Recovery 97.58 ✓									
CCB	CCB	02/19/09 05:04:54 pm	-0.001 ✓	28	10.33		1.00	1.00	1.00
K7EKN	UNK	02/19/09 05:07:12 pm	0.009	118	7.20	s	1.00	1.00	1.00
K7EKM	UNK	02/19/09 05:09:30 pm	0.003	64	3.94		1.00	1.00	1.00
K7EKW	UNK	02/19/09 05:11:48 pm	0.008	108	2.37		1.00	1.00	1.00
K7EKX	UNK	02/19/09 05:14:07 pm	0.010	130	2.53		1.00	1.00	1.00
K7EN8B	UNK	02/19/09 05:16:26 pm	0.000 ✓	37	10.65		1.00	1.00	1.00
K7ENCC	UNK	02/19/09 05:18:45 pm	4.781 ✓	43578	0.86		1.00	1.00	1.00
K7EHT	UNK	02/19/09 05:21:05 pm	0.032	332	0.65		1.00	1.00	1.00
K7EHTS	UNK	02/19/09 05:23:25 pm	4.293 ✓	39128	0.81		1.00	1.00	1.00
K7EHTD	UNK	02/19/09 05:25:41 pm	4.292 ✓	39125	0.66		1.00	1.00	1.00
CCV	CCV	02/19/09 05:28:01 pm	4.931 ✓	44936	0.74		1.00	1.00	1.00
% Recovery 98.61 ✓									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCB	CCB	02/19/09 05:30:18 pm	-0.001 ✓	33	10.11		1.00	1.00
							1.00	
~~K7EHTS~~	~~UNK~~	~~02/19/09 05:32:38 pm~~	~~4.254~~	~~38775~~	~~0.99~~		~~1.00~~	~~1.00~~
							1.00	
~~K7EHTD~~	~~UNK~~	~~02/19/09 05:34:55 pm~~	~~4.294~~	~~39140~~	~~0.61~~		~~1.00~~	1.00
							1.00	
K7EH5	UNK	02/19/09 05:37:12 pm	0.039	390	0.72		1.00	1.00
							1.00	
K7EH6	UNK	02/19/09 05:39:29 pm	0.013	154	1.58		1.00	1.00
							1.00	
K7EJJ	UNK	02/19/09 05:41:47 pm	0.045	453	0.64		1.00	1.00
							1.00	
K7EJ6	UNK	02/19/09 05:44:05 pm	0.043	427	0.22		1.00	1.00
							1.00	
K7EJ8	UNK	02/19/09 05:46:23 pm	0.022	238	1.12		1.00	1.00
							1.00	
K7EJ9	UNK	02/19/09 05:48:41 pm	0.054	528	0.58		1.00	1.00
							1.00	
K7EKA	UNK	02/19/09 05:51:00 pm	0.051	502	0.31		1.00	1.00
							1.00	
CCV	CCV	02/19/09 05:53:20 pm	4.924 ✓	44873	0.82		1.00	1.00
% Recovery 98.47 ✓							1.00	
CCB	CCB	02/19/09 05:55:37 pm	-0.002 ✓	22	26.75		1.00	1.00
							1.00	
K7EKD	UNK	02/19/09 05:57:56 pm	0.033	341	0.84		1.00	1.00
							1.00	
K7EKK	UNK	02/19/09 06:00:15 pm	0.106	1003	0.82		1.00	1.00
							1.00	
K7EKJ	UNK	02/19/09 06:02:35 pm	0.027	287	0.63		1.00	1.00
							1.00	
K7EKN	UNK	02/19/09 06:04:55 pm	0.019	208	2.50		1.00	1.00
							1.00	
K7EKM	UNK	02/19/09 06:07:12 pm	0.000	40	8.88		1.00	1.00
							1.00	

NA, Confirms above results CO 2/20/09

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
K7EKW	UNK	02/19/09 06:09:29 pm	0.071	687	0.46		1.00	1.00
							1.00	
K7EKX	UNK	02/19/09 06:11:46 pm	0.034	345	1.00		1.00	1.00
							1.00	
K7EN3B	UNK	02/19/09 06:14:04 pm	-0.002	18	16.76		1.00	1.00
							1.00	
K7EN3C	UNK	02/19/09 06:16:22 pm	4.832	44036	0.35		1.00	1.00
							1.00	
CCV	CCV	02/19/09 06:18:42 pm	4.963	45227	0.80		1.00	1.00
% Recovery 99.25							1.00	
CCB	CCB	02/19/09 06:20:59 pm	-0.002	24	10.51		1.00	1.00
							1.00	
K7DXC	UNK	02/19/09 06:23:17 pm	0.158	1478	0.31		1.00	1.00
							1.00	
K7DXCS	UNK	02/19/09 06:25:35 pm	4.549	41463	0.42		1.00	1.00
							1.00	
K7DXCD	UNK	02/19/09 06:27:54 pm	4.908	44730	0.75		1.00	1.00
							1.00	
K7EF3	UNK	02/19/09 06:30:13 pm	-0.003	9	38.34		1.00	1.00
							1.00	
K7EGE	UNK	02/19/09 06:32:32 pm	0.093	886	0.78		1.00	1.00
							1.00	
K7EGM	UNK	02/19/09 06:34:52 pm	0.008	116	1.35		1.00	1.00
							1.00	
K7EGQ	UNK	02/19/09 06:37:12 pm	-0.003	9	23.09		1.00	1.00
							1.00	
K7EG3	UNK	02/19/09 06:39:30 pm	-0.001	30	14.88		1.00	1.00
							1.00	
K7EHD	UNK	02/19/09 06:41:47 pm	0.803	7348	0.54		1.00	1.00
							1.00	
CCV	CCV	02/19/09 06:44:07 pm	4.972	45315	0.75		1.00	1.00
% Recovery 99.44							1.00	
CCB	CCB	02/19/09 06:46:24 pm	0.000	38	11.14		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K7D19B	UNK	02/19/09 06:48:42 pm	0.004	79	3.02		1.00	1.00 1.00
K7ENVC	UNK	02/19/09 06:50:59 pm	4.922	44856	0.42		1.00	1.00 1.00
K7A6X	UNK	02/19/09 06:53:17 pm	0.049	486	0.49		1.00	1.00 1.00
K7A6XP5	UNK	02/19/09 06:55:35 pm	0.014	168	2.55		1.00	1.00 1.00
K7A6XS	UNK	02/19/09 06:57:54 pm	4.780	43561	1.25		1.00	1.00 1.00
K7A6XD	UNK	02/19/09 07:00:12 pm	4.189	38184	0.32		1.00	1.00 1.00
K7D2VB	UNK	02/19/09 07:02:31 pm	0.005	81	4.30		1.00	1.00 1.00
K7ENRC	UNK	02/19/09 07:04:51 pm	4.976	45352	1.24		1.00	1.00 1.00
K7A62	UNK	02/19/09 07:07:10 pm	0.004	74	4.95		1.00	1.00 1.00
CCV % Recovery 101.94	CCV	02/19/09 07:09:30 pm	5.097	46452	0.61		1.00	1.00 1.00
CCB	CCB	02/19/09 07:11:47 pm	-0.001	33	8.51		1.00	1.00 1.00
K7A62P5	UNK	02/19/09 07:14:07 pm	0.005	88	5.26		1.00	1.00 1.00
K7A62S	UNK	02/19/09 07:16:25 pm	5.268	48011	1.22		1.00	1.00 1.00
K7A62D	UNK	02/19/09 07:18:43 pm	4.851	44208	0.89		1.00	1.00 1.00
K7EPWB	UNK	02/19/09 07:21:01 pm	-0.004	3	207.49		1.00	1.00 1.00
K7EPWC	UNK	02/19/09 07:23:19 pm	5.063	46142	0.66		1.00	1.00 1.00
K7D51	UNK	02/19/09 07:25:37 pm	-0.002	23	12.80		1.00	1.00 1.00

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Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
K7D51S	UNK	02/19/09 07:27:55 pm	5.210	47482	0.67		1.00	1.00
							1.00	
K7D51D	UNK	02/19/09 07:30:14 pm	5.058	46093	0.75		1.00	1.00
							1.00	
K7D55	UNK	02/19/09 07:32:32 pm	-0.003	14	25.57		1.00	1.00
							1.00	
CCV	CCV	02/19/09 07:34:52 pm	5.097	46449	0.80		1.00	1.00
% Recovery 101.94							1.00	
CCB	CCB	02/19/09 07:37:09 pm	0.000	40	13.91		1.00	1.00
							1.00	
K7D57	UNK	02/19/09 07:39:28 pm	0.000	39	14.47		1.00	1.00
							1.00	
K7D59	UNK	02/19/09 07:41:48 pm	-0.002	24	15.86		1.00	1.00
							1.00	
K7D6F	UNK	02/19/09 07:44:07 pm	-0.001	27	3.96		1.00	1.00
							1.00	
K7D6H	UNK	02/19/09 07:46:27 pm	-0.002	24	7.75		1.00	1.00
							1.00	
K7D6L	UNK	02/19/09 07:48:45 pm	0.002	58	4.69		1.00	1.00
							1.00	
K7EPKB	UNK	02/19/09 07:51:04 pm	-0.002	24	18.98		1.00	1.00
							1.00	
K7EPKC	UNK	02/19/09 07:53:22 pm	4.972	45313	0.50		1.00	1.00
							1.00	
K7D5W	UNK	02/19/09 07:55:40 pm	0.015	174	0.65		1.00	1.00
							1.00	
K7D5WS	UNK	02/19/09 07:57:58 pm	4.666	42523	0.80		1.00	1.00
							1.00	
CCV	CCV	02/19/09 08:00:18 pm	5.128	46731	1.13		1.00	1.00
% Recovery 102.56							1.00	
CCB	CCB	02/19/09 08:02:35 pm	-0.002	18	17.35		1.00	1.00
							1.00	
K7D5WD	UNK	02/19/09 08:04:54 pm	4.655	42423	0.43		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K7D52	UNK	02/19/09 08:07:12 pm	0.008	108	2.06		1.00	1.00 1.00
K7D56	UNK	02/19/09 08:09:31 pm	0.011	138	1.50		1.00	1.00 1.00
CCV	CCV	02/19/09 08:14:22 pm	5.127	46728	0.66		1.00	1.00 1.00
% Recovery 102.55								
CCB	CCB	02/19/09 08:16:39 pm	0.000	37	5.75		1.00	1.00 1.00
K7EPPC RR 2/20/09	UNK	02/19/09 08:18:56 pm	4.626	42165	2.04		1.00	1.00 1.00
CCV	CCV	02/19/09 08:21:16 pm	5.097	46453	0.72		1.00	1.00 1.00
% Recovery 101.94								
CCB	CCB	02/19/09 08:23:33 pm	0.000	38	10.78		1.00	1.00 1.00
K7D58	UNK	02/19/09 08:25:52 pm	-0.002	17	6.63		1.00	1.00 1.00
K7D6E	UNK	02/19/09 08:28:11 pm	-0.001	33	9.16		1.00	1.00 1.00
K7D6G	UNK	02/19/09 08:30:31 pm	0.001	46	7.28		1.00	1.00 1.00
K7D6K	UNK	02/19/09 08:32:51 pm	0.001	45	6.70		1.00	1.00 1.00
K7EPFB	UNK	02/19/09 08:35:09 pm	-0.002	24	10.63		1.00	1.00 1.00
K7EPFC	UNK	02/19/09 08:37:28 pm	5.062	46132	0.91		1.00	1.00 1.00
CCV	CCV	02/19/09 08:39:48 pm	5.158	47006	0.65		1.00	1.00 1.00
% Recovery 103.16								
CCB	CCB	02/19/09 08:42:05 pm	-0.001	29	10.40		1.00	1.00 1.00
K7C9X	UNK	02/19/09 08:44:23 pm	-0.002	25	8.94		1.00	1.00 1.00
K7C9XS	UNK	02/19/09 08:46:42 pm	4.989	45471	0.90		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K7C9XD	UNK	02/19/09 08:49:00 pm	5.027	45813	1.26		1.00	1.00 1.00
K7C90	UNK	02/19/09 08:51:19 pm	-0.003	9	59.84		1.00	1.00 1.00
K7C91	UNK	02/19/09 08:53:37 pm	0.000	41	8.43		1.00	1.00 1.00
K7C92	UNK	02/19/09 08:55:56 pm	0.000	36	3.61		1.00	1.00 1.00
K7C93	UNK	02/19/09 08:58:15 pm	-0.001	29	16.78		1.00	1.00 1.00
K7C95	UNK	02/19/09 09:00:34 pm	-0.001	30	5.00		1.00	1.00 1.00
K7DA9	UNK	02/19/09 09:02:54 pm	0.081	781	2.18		1.00	1.00 1.00
CCV % Recovery 100.71	CCV	02/19/09 09:05:14 pm	5.035	45890	0.76		1.00	1.00 1.00
CCB	CCB	02/19/09 09:07:31 pm	0.000	35	7.19		1.00	1.00 1.00
K7DQ6	UNK	02/19/09 09:09:51 pm	0.005	81	2.80		1.00	1.00 1.00
K7DRC	UNK	02/19/09 09:12:10 pm	0.242	2246	0.60		1.00	1.00 1.00
K7DRW	UNK	02/19/09 09:14:29 pm	-0.001	30	12.33		1.00	1.00 1.00
K7DRX	UNK	02/19/09 09:16:47 pm	-0.002	19	10.16		1.00	1.00 1.00
K7DR0	UNK	02/19/09 09:19:06 pm	0.000	39	8.64		1.00	1.00 1.00
K7EPHB	UNK	02/19/09 09:21:25 pm	-0.003	11	51.66		1.00	1.00 1.00
K7EPHC	UNK	02/19/09 09:23:44 pm	5.070	46207	0.75		1.00	1.00 1.00
K7DCL	UNK	02/19/09 09:26:03 pm	-0.003	16	32.38		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K7DCLS	UNK	02/19/09 09:28:22 pm	4.995	45527	1.34		1.00	1.00 1.00
CCV	CCV	02/19/09 09:30:42 pm	5.113	46594	1.70		1.00	1.00 1.00
% Recovery 102.25								
CCB	CCB	02/19/09 09:32:59 pm	0.000	35	3.49		1.00	1.00 1.00
K7DCLD	UNK	02/19/09 09:35:18 pm	5.042	45954	0.83		1.00	1.00 1.00
K7DCV	UNK	02/19/09 09:37:37 pm	0.006	97	4.19		1.00	1.00 1.00
K7DCW	UNK	02/19/09 09:39:56 pm	0.005	89	2.05		1.00	1.00 1.00
K7DCX	UNK	02/19/09 09:42:16 pm	0.007	101	3.18		1.00	1.00 1.00
K7DC0	UNK	02/19/09 09:44:35 pm	0.006	96	5.53		1.00	1.00 1.00
K7DC1	UNK	02/19/09 09:46:54 pm	0.006	94	4.57		1.00	1.00 1.00
K7DC5	UNK	02/19/09 09:49:13 pm	0.000	39	2.72		1.00	1.00 1.00
CCV	CCV	02/19/09 09:51:33 pm	5.106	46532	0.90		1.00	1.00 1.00
% Recovery 102.12								
CCB	CCB	02/19/09 09:53:51 pm	0.000	38	6.18		1.00	1.00 1.00
K7DC9	UNK	02/19/09 09:56:10 pm	0.013	155	1.19		1.00	1.00 1.00
K7DDD	UNK	02/19/09 09:58:29 pm	0.006	93	2.63		1.00	1.00 1.00
K7DDG	UNK	02/19/09 10:00:48 pm	0.003	70	4.21		1.00	1.00 1.00
K7DDL	UNK	02/19/09 10:03:07 pm	0.002	58	4.97		1.00	1.00 1.00
K7DDQ	UNK	02/19/09 10:05:26 pm	0.003	63	2.08		1.00	1.00 1.00

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Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.
							ODF	
K7DLC	UNK	02/19/09 10:07:45 pm	0.006	90	5.92		1.00	1.00
							1.00	
K7DLK	UNK	02/19/09 10:10:04 pm	0.003	67	3.64		1.00	1.00
							1.00	
K7DLM	UNK	02/19/09 10:12:24 pm	0.005	86	1.69		1.00	1.00
							1.00	
K7DLR	UNK	02/19/09 10:14:44 pm	0.003	65	3.33		1.00	1.00
							1.00	
CCV	CCV	02/19/09 10:17:03 pm	5.113 ✓	46599	0.95		1.00	1.00
% Recovery 102.26 ✓							1.00	
CCB	CCB	02/19/09 10:19:20 pm	-0.002 ✓	24	15.52		1.00	1.00
							1.00	

Analysis Parameters

Instrument

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	50.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
25.00	29.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: Yes

Condition: Saturate

Tube # range: 4:1 - 4:60

If no autodilution tubes remaining continue undiluted

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of
Lower (%)	Upper (%)	Lower (%)	Upper (%)	Determination
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.2000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.2000

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
7.0000	90.0000	110.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	70.0000	130.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

MWH-Pasadena / Boeing

Lot D9C050247

Project ISB1082

Joseph Doak
17461 Derian Avenue
Suite 100
Irvine, CA 92614

TestAmerica Laboratories, Inc.

for: DiLea Griego
Project Manager

March 11, 2009

Quality Control Definitions of Qualifiers

Qualifier	Definition
U	Result is less than the method detection limit (MDL).
B	Organics: Method blank contamination. The associated method blank contains the target analyte at a reportable level. Inorganics: Estimated result. Result is less than the RL
J	Organics: Estimated result. Result is less than RL Inorganics: Method blank contamination. The associated method blank contains the target analyte at a reportable level.
E	Estimated result. Result concentrations exceed the calibration range.
p	Relative Percent Difference (RPD) is outside control limits.
*	Surrogate or Relative Percent Difference (RPD) is outside control limits.
DIL	The concentration is estimated or not reported due to dilution.
COL	More than 40% difference between the primary and confirmation detector results. The lower of the two results is reported.
CHI	More than 40% difference between the primary and confirmation detector results. The higher of the two results is reported.
L	Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.
a	Spiked analyte recovery is outside stated control limits.
N	Spiked analyte recovery is outside stated control limits.
NC	The recovery and/or RPD were not calculated.
MSB	The recovery and/or RPD were not calculated because the sample amount was greater than four times the spike amount.

Case Narrative

Enclosed is the report for two samples received at TestAmerica Laboratories, Inc. – Denver laboratory on February 24, 2009. The results included in this report relate only to the samples in this report and have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. All data have been found to be compliant with laboratory protocol, with the exception of any items noted below.

This report may include reporting limits (RLs) less than the Denver laboratory's standard reporting limits. The reported sample results and associated reporting limits are being used specifically to meet the needs of this project. Note that data are not normally reported to these levels without qualification because they are inherently less reliable and potentially less defensible than required by the latest industry standards.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Laboratories, Inc. utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

Quality Control Summary for Lot D9C050247

Sample Receiving

The cooler temperature upon receipt at the laboratory was acceptable at 5.1°C.

Sample ISB1802-01, requesting alpha-BHC by Method 608, was received at the TestAmerica Denver laboratory after the recommended sample holding time had expired. The client was notified on March 9, 2009.

Alpha-BHC – Method 608

Sample ISB1802-01, requesting alpha-BHC by Method 608, was received at the TestAmerica Denver laboratory after the recommended sample holding time had expired. Please note that the sample result should be considered estimated. The sample has been flagged with "HTV" as appropriate.

The sample ISB1802-01 was observed to have heavy emulsions with methylene chloride during the Method 608 extraction process.

The method required MS/MSD analyses were not performed for QC batch 9064381, due to insufficient sample volume. Method precision and accuracy were verified by the acceptable LCS/LCSD analysis data.

No anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D9C050247

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D9C050247

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Organochlorine Pesticides and PCBs	CFR136A 608	CFR136A 608

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

METHOD / ANALYST SUMMARY

D9C050247

ANALYTICAL METHOD	ANALYST	ANALYST ID
CFR136A 608	Dennis Jonsrud	009226

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SAMPLE SUMMARY

D9C050247

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K74JL	001	ISB1802-01	02/16/09	14:30

NOTE(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.

QC DATA ASSOCIATION SUMMARY

D9C050247

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	CFR136A 608		9064381	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Semivolatile GC

CLP-Like Forms

Lot ID: D9C050247

Client: TestAmerica-Irvine

Method: 608

Associated Sample: 001

Batch: 9064381

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB1802-01
Lot/SDG Number:	D9C050247	**Lab Sample ID:**	D9C050247-001
Matrix:	WATER	**Lab WorkOrder:**	K74JL1AA
% Moisture:	N/A	**Date/Time Collected:**	02/16/09 14:30
Basis:	Wet	**Date/Time Received:**	03/05/09 09:15
Analysis Method:	608	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	03/05/09 16:00
QC Batch ID:	9064381	**Date/Time Analyzed:**	03/10/09 16:41
Sample Aliquot:	1056 mL	**Instrument ID:**	P2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
319-84-6	alpha-BHC	0.050	0.0053	0.050	U HTV

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	59	32	144	
877-09-8	Tetrachloro-m-xylene	88	52	117	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9C050247	**Lab Sample ID:**	D9C050000-381B
Matrix:	WATER	**Lab WorkOrder:**	K74R21AA
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	608	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	03/05/09 16:00
QC Batch ID:	9064381	**Date/Time Analyzed:**	03/10/09 17:31
Sample Aliquot:	1000 mL	**Instrument ID:**	P2
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
319-84-6	alpha-BHC	0.050	0.0053	0.050	U

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	97	32	144	
877-09-8	Tetrachloro-m-xylene	65	52	117	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Surrogate Recovery Summary

Lab Name:	TESTAMERICA DENVER	**Extraction**	I09DM01
Lot/SDG Number:	D9C050247	**QC Batch ID:**	9064381

Client ID	Work Order	SRG1	SRG2	SRG3	SRG4	SRG5	SRG6	SRG7	SRG8	TOT OUT
CHECK SAMPLE	K74R21AC	100	55							0
DUPLICATE CHECK	K74R21AD	102	80							0

Surrogate Number	Surrogate Name	Lower Control Limit	Upper Control Limit
SRG 1	Decachlorobiphenyl	68	122
SRG 2	Tetrachloro-m-xylene	54	115

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Surrogate Recovery Summary

Lab Name: TESTAMERICA DENVER **Extraction** I09DM01

Lot/SDG Number: D9C050247 **QC Batch ID:** 9064381

Client ID	Work Order	SRG1	SRG2	SRG3	SRG4	SRG5	SRG6	SRG7	SRG8	TOT OUT
ISB1802-01	K74JL1AA	59	88							0
INTRA-LAB BLANK	K74R21AA	97	65							0

Surrogate Number	Surrogate Name	Lower Control Limit	Upper Control Limit
SRG 1	Decachlorobiphenyl	32	144
SRG 2	Tetrachloro-m-xylene	52	117

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9C050247	**Lab Sample ID:**	D9C050000-381C
Matrix:	WATER	**Lab WorkOrder:**	K74R21AC
% Moisture:	N/A	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	608	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	03/05/09 16:00
QC Batch ID:	9064381	**Date/Time Analyzed:**	03/10/09 15:02
Sample Aliquot:	1000 mL	**Instrument ID:**	P2
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
alpha-BHC	0.500	0.479	96		66 - 115

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	100	68	122	
877-09-8	Tetrachloro-m-xylene	55	54	115	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9C050247	**Lab Sample ID:**	D9C050000-381L
Matrix:	WATER	**Lab WorkOrder:**	K74R21AD
% Moisture:	N/A	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	608	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	03/05/09 16:00
QC Batch ID:	9064381	**Date/Time Analyzed:**	03/10/09 15:19
Sample Aliquot:	1000 mL	**Instrument ID:**	P2
Dilution Factor:	1		

Analyte	True	Found	C	% Rec	Q	RPD	Q	QC Limits	
								% Rec	RPD
alpha-BHC	0.500	0.514		103		6.9		66 - 115	50

CAS No.	Surrogate	% Rec	Lower Limit	Upper Limit	Q
2051-24-3	Decachlorobiphenyl	102	68	122	
877-09-8	Tetrachloro-m-xylene	80	54	115	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Method Blank Summary

Lab Name:	TESTAMERICA DENVER	**Lab File ID:**	024F2401.
Lot/SDG Number:	D9C050247	**Lab Sample ID:**	D9C050000-381B
Matrix:	WATER	**Lab Work Order:**	K74R21AA
Analysis Method:	608	**Date/Time Extracted:**	03/05/09 16:00
Extraction Method:	I09DM01	**Date/Time Analyzed:**	03/10/09 17:31
QC Batch ID:	9064381	**Instrument ID:**	P2

Client ID	Sample Work Order #	Lab File ID	Date Analyzed	Time Analyzed
ISB1802-01	K74JL1AA	024F2401.	03/10/09	16:41
CHECK SAMPLE	K74R21AC C	018F1801.	03/10/09	15:02
DUPLICATE CHECK	K74R21AD L	019F1901.	03/10/09	15:19

NPDES - 2858

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 01-MAR-2009 16:37
End Cal Date : 01-MAR-2009 21:01
Quant Method : ESTD
Target Version : 4.14
Integrator : Falcon
Method file : \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\P2_8081_1.m
Last Edit : 02-Mar-2009 07:44 GC_P2.i

Calibration File Names:
Level 1: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\016F1601.D
Level 2: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\015F1501.D
Level 3: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\014F1401.D
Level 4: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\020F2001.D
Level 5: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\012F1201.D
Level 6: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\011F1101.D

SEE CALIBRATION HISTORY

Compound	4.0000 Level 1	10.0000 Level 2	25.0000 Level 3	50.0000 Level 4	75.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
1 Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	LINR	0.000e+000	0.000e+000		0.000e+000	<-
3 Hexachlorobenzene	134212	315320	749989	1505326	2221704	2926219	WLINR	-0.57439	29460		0.99986	
4 Diallate	452507	845506	1940628	2669939	3729395	7240854	WLINR	-125	732		0.99939	
5 alpha-BHC	38459	38449	38020	39276	39235	39397	AVRG		38806		1.46700	
6 gamma-BHC (Lindane)	34186	33968	33253	34123	33802	33855	AVRG		33864		0.98721	
7 beta-BHC	64946	153688	361787	739364	1091642	1450446	WLINR	-0.49998	14467		0.99980	
8 delta-BHC	32342	32379	32216	33576	33776	34028	AVRG		33053		2.49793	
9 Technical Chlordane (1)	+++++	+++++	+++++	62955	+++++	+++++	LINR	0.000e+000	1259		1.00000	
(2)	+++++	+++++	+++++	58110	+++++	+++++	LINR	0.000e+000	1162		1.00000	
(3)	+++++	+++++	+++++	189044	+++++	+++++	LINR	0.000e+000	3781		1.00000	
(4)	+++++	+++++	+++++	163060	+++++	+++++	LINR	0.000e+000	3261		1.00000	
(5)	+++++	+++++	+++++	45998	+++++	+++++	LINR	0.000e+000	920		1.00000	
10 Heptachlor	32819	31807	30648	30887	30142	29637	AVRG		30990		3.73206	
11 Aldrin	32264	31523	30597	30799	30099	29915	AVRG		30866		2.88235	