APPENDIX G

Section 40

Outfall 012, February 7, 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 012

Sampled: 02/07/09
Received: 02/07/09
Revised: 03/12/09 11:00

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

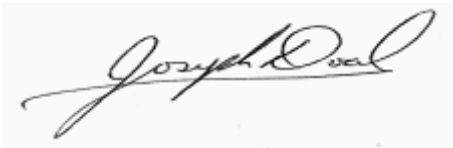
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT:	Samples were received intact, at 3°C, on ice and with chain of custody documentation.
HOLDING TIMES:	Not all holding times were met. Results were qualified where the sample analysis did not occur within method specified holding time requirements.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers.
COMMENTS:	Results that fall between the MDL and RL are 'J' flagged.
SUBCONTRACTED:	Refer to the last page for specific subcontract laboratory information included in this report.
ADDITIONAL INFORMATION:	This is a revised report to include 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
ISB0825-01	Outfall 012	Water
ISB0825-02	Trip Blanks	Water

Reviewed By:



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Attention: Bronwyn Kelly

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
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CORRECTIVE ACTION REPORT

Department: Extractions
Method: EPA 608
QC Batch: 9B12048

Date: 02/26/2009
Matrix: Water

Identification and Definition of Problem:

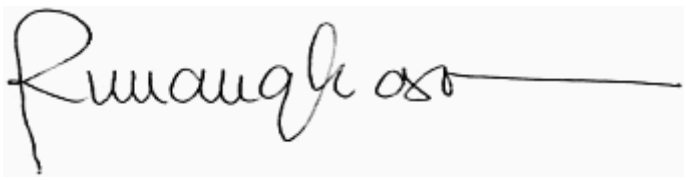
Alpha-BHC was reported as a false positive for samples in batches 9B12048, 9B20074 and 9B23113.

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

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Sampled: 02/07/09
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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: ISB0825-01 (Outfall 012 - Water)									
Reporting Units: mg/l									
DRO (C13 - C28)	EPA 8015B	9B10080	0.047	0.094	ND	0.943	02/10/09	02/10/09	
Surrogate: n-Octacosane (40-125%)					*61 %*				

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Sampled: 02/07/09
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VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: mg/l									
GRO (C4 - C12)	EPA 8015B	9B13038	0.030	0.050	ND	1	02/13/09	02/13/09	
Surrogate: 4-BFB (FID) (65-140%)					*74 %*				

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Sampled: 02/07/09
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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: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
Benzene	EPA 624	9B09010	0.28	0.50	ND	1	02/09/09	02/09/09	
Bromodichloromethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
Bromoform	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
Bromomethane	EPA 624	9B09010	0.42	1.0	ND	1	02/09/09	02/09/09	
Carbon tetrachloride	EPA 624	9B09010	0.28	0.50	ND	1	02/09/09	02/09/09	
Chlorobenzene	EPA 624	9B09010	0.36	0.50	ND	1	02/09/09	02/09/09	
Chloroethane	EPA 624	9B09010	0.40	1.0	ND	1	02/09/09	02/09/09	
Chloroform	EPA 624	9B09010	0.33	0.50	ND	1	02/09/09	02/09/09	
Chloromethane	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
Dibromochloromethane	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
1,2-Dibromoethane (EDB)	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
1,2-Dichlorobenzene	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
1,3-Dichlorobenzene	EPA 624	9B09010	0.35	0.50	ND	1	02/09/09	02/09/09	
1,4-Dichlorobenzene	EPA 624	9B09010	0.37	0.50	ND	1	02/09/09	02/09/09	
1,1-Dichloroethane	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
1,2-Dichloroethane	EPA 624	9B09010	0.28	0.50	ND	1	02/09/09	02/09/09	
1,1-Dichloroethene	EPA 624	9B09010	0.42	0.50	ND	1	02/09/09	02/09/09	
trans-1,2-Dichloroethene	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
1,2-Dichloropropane	EPA 624	9B09010	0.35	0.50	ND	1	02/09/09	02/09/09	
cis-1,3-Dichloropropene	EPA 624	9B09010	0.22	0.50	ND	1	02/09/09	02/09/09	L
trans-1,3-Dichloropropene	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
Ethylbenzene	EPA 624	9B09010	0.25	0.50	ND	1	02/09/09	02/09/09	
Methylene chloride	EPA 624	9B09010	0.95	1.0	ND	1	02/09/09	02/09/09	
1,1,2,2-Tetrachloroethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
Tetrachloroethene	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
Toluene	EPA 624	9B09010	0.36	0.50	ND	1	02/09/09	02/09/09	
1,1,1-Trichloroethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
1,1,2-Trichloroethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
Trichloroethene	EPA 624	9B09010	0.26	0.50	**0.68**	1	02/09/09	02/09/09	
Trichlorofluoromethane	EPA 624	9B09010	0.34	0.50	ND	1	02/09/09	02/09/09	
1,2,3-Trichloropropane	EPA 624	9B09010	0.40	1.0	ND	1	02/09/09	02/09/09	
Trichlorotrifluoroethane (Freon 113)	EPA 624	9B09010	0.50	5.0	ND	1	02/09/09	02/09/09	
Vinyl chloride	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
Xylenes, Total	EPA 624	9B09010	0.90	1.5	ND	1	02/09/09	02/09/09	
Di-isopropyl Ether (DIPE)	EPA 624	9B09010	0.25	0.50	ND	1	02/09/09	02/09/09	
Methyl-tert-butyl Ether (MTBE)	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
tert-Butanol (TBA)	EPA 624	9B09010	6.5	10	ND	1	02/09/09	02/09/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*86 %*				
Surrogate: Dibromofluoromethane (80-120%)					*84 %*				
Surrogate: Toluene-d8 (80-120%)					*92 %*				

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

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: ISB0825-02 (Trip Blanks - Water)									
Reporting Units: ug/l									
Benzene	EPA 624	9B09010	0.28	0.50	ND	1	02/09/09	02/09/09	
Bromodichloromethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
Bromoform	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
Bromomethane	EPA 624	9B09010	0.42	1.0	ND	1	02/09/09	02/09/09	
Carbon tetrachloride	EPA 624	9B09010	0.28	0.50	ND	1	02/09/09	02/09/09	
Chlorobenzene	EPA 624	9B09010	0.36	0.50	ND	1	02/09/09	02/09/09	
Chloroethane	EPA 624	9B09010	0.40	1.0	ND	1	02/09/09	02/09/09	
Chloroform	EPA 624	9B09010	0.33	0.50	ND	1	02/09/09	02/09/09	
Chloromethane	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
Dibromochloromethane	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
1,2-Dibromoethane (EDB)	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
1,2-Dichlorobenzene	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
1,3-Dichlorobenzene	EPA 624	9B09010	0.35	0.50	ND	1	02/09/09	02/09/09	
1,4-Dichlorobenzene	EPA 624	9B09010	0.37	0.50	ND	1	02/09/09	02/09/09	
1,1-Dichloroethane	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
1,2-Dichloroethane	EPA 624	9B09010	0.28	0.50	ND	1	02/09/09	02/09/09	
1,1-Dichloroethene	EPA 624	9B09010	0.42	0.50	ND	1	02/09/09	02/09/09	
trans-1,2-Dichloroethene	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
1,2-Dichloropropane	EPA 624	9B09010	0.35	0.50	ND	1	02/09/09	02/09/09	
cis-1,3-Dichloropropene	EPA 624	9B09010	0.22	0.50	ND	1	02/09/09	02/09/09	L
trans-1,3-Dichloropropene	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
Ethylbenzene	EPA 624	9B09010	0.25	0.50	ND	1	02/09/09	02/09/09	
Methylene chloride	EPA 624	9B09010	0.95	1.0	ND	1	02/09/09	02/09/09	
1,1,2,2-Tetrachloroethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
Tetrachloroethene	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
Toluene	EPA 624	9B09010	0.36	0.50	ND	1	02/09/09	02/09/09	
1,1,1-Trichloroethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
1,1,2-Trichloroethane	EPA 624	9B09010	0.30	0.50	ND	1	02/09/09	02/09/09	
Trichloroethene	EPA 624	9B09010	0.26	0.50	ND	1	02/09/09	02/09/09	
Trichlorofluoromethane	EPA 624	9B09010	0.34	0.50	ND	1	02/09/09	02/09/09	
1,2,3-Trichloropropane	EPA 624	9B09010	0.40	1.0	ND	1	02/09/09	02/09/09	
Trichlorotrifluoroethane (Freon 113)	EPA 624	9B09010	0.50	5.0	ND	1	02/09/09	02/09/09	
Vinyl chloride	EPA 624	9B09010	0.40	0.50	ND	1	02/09/09	02/09/09	
Xylenes, Total	EPA 624	9B09010	0.90	1.5	ND	1	02/09/09	02/09/09	
Di-isopropyl Ether (DIPE)	EPA 624	9B09010	0.25	0.50	ND	1	02/09/09	02/09/09	
Methyl-tert-butyl Ether (MTBE)	EPA 624	9B09010	0.32	0.50	ND	1	02/09/09	02/09/09	
tert-Butanol (TBA)	EPA 624	9B09010	6.5	10	ND	1	02/09/09	02/09/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*85 %*				
Surrogate: Dibromofluoromethane (80-120%)					*83 %*				
Surrogate: Toluene-d8 (80-120%)					*91 %*				

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Attention: Bronwyn Kelly

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

PURGEABLES-- GC/MS (EPA 624)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water)									
Reporting Units: ug/l									
Acrolein	EPA 624	9B09010	4.0	5.0	ND	1	02/09/09	02/09/09	
Acrylonitrile	EPA 624	9B09010	0.70	2.0	ND	1	02/09/09	02/09/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*86 %*				
Surrogate: Dibromofluoromethane (80-120%)					*84 %*				
Surrogate: Toluene-d8 (80-120%)					*92 %*				
Sample ID: ISB0825-01RE1 (Outfall 012 - Water)									
Reporting Units: ug/l									
2-Chloroethyl vinyl ether	EPA 624	9B09020	1.8	5.0	ND	1	02/09/09	02/10/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*87 %*				
Surrogate: Dibromofluoromethane (80-120%)					*96 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				
Sample ID: ISB0825-02 (Trip Blanks - Water)									
Reporting Units: ug/l									
Acrolein	EPA 624	9B09010	4.0	5.0	ND	1	02/09/09	02/09/09	
Acrylonitrile	EPA 624	9B09010	0.70	2.0	ND	1	02/09/09	02/09/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*85 %*				
Surrogate: Dibromofluoromethane (80-120%)					*83 %*				
Surrogate: Toluene-d8 (80-120%)					*91 %*				
Sample ID: ISB0825-02RE1 (Trip Blanks - Water)									
Reporting Units: ug/l									
2-Chloroethyl vinyl ether	EPA 624	9B09020	1.8	5.0	ND	1	02/09/09	02/10/09	
Surrogate: 4-Bromofluorobenzene (80-120%)					*86 %*				
Surrogate: Dibromofluoromethane (80-120%)					*97 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				

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Sampled: 02/07/09
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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: ISB0825-01 (Outfall 012 - Water)									
Reporting Units: ug/l									
1,4-Dioxane	EPA 8260B-SIM	9B12012	1.0	2.0	ND	1	02/12/09	02/12/09	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				

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Sampled: 02/07/09
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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: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
Acenaphthene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Acenaphthylene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Aniline	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
Anthracene	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
Benzidine	EPA 625	9B11088	9.4	19	ND	0.943	02/11/09	02/16/09	
Benzo(a)anthracene	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
Benzo(a)pyrene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Benzo(b)fluoranthene	EPA 625	9B11088	1.9	9.4	ND	0.943	02/11/09	02/16/09	
Benzo(g,h,i)perylene	EPA 625	9B11088	3.8	9.4	ND	0.943	02/11/09	02/16/09	
Benzo(k)fluoranthene	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
Benzoic acid	EPA 625	9B11088	9.4	19	ND	0.943	02/11/09	02/16/09	
Benzyl alcohol	EPA 625	9B11088	3.3	19	ND	0.943	02/11/09	02/16/09	
4-Bromophenyl phenyl ether	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Butyl benzyl phthalate	EPA 625	9B11088	3.8	19	ND	0.943	02/11/09	02/16/09	
4-Chloro-3-methylphenol	EPA 625	9B11088	2.4	19	ND	0.943	02/11/09	02/16/09	
4-Chloroaniline	EPA 625	9B11088	1.9	9.4	ND	0.943	02/11/09	02/16/09	
Bis(2-chloroethoxy)methane	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Bis(2-chloroethyl)ether	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Bis(2-chloroisopropyl)ether	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
2-Chloronaphthalene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
2-Chlorophenol	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
4-Chlorophenyl phenyl ether	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
Chrysene	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
Dibenz(a,h)anthracene	EPA 625	9B11088	2.8	19	ND	0.943	02/11/09	02/16/09	
Dibenzofuran	EPA 625	9B11088	3.8	9.4	ND	0.943	02/11/09	02/16/09	
Di-n-butyl phthalate	EPA 625	9B11088	2.8	19	ND	0.943	02/11/09	02/16/09	
1,2-Dichlorobenzene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
1,3-Dichlorobenzene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
1,4-Dichlorobenzene	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
3,3'-Dichlorobenzidine	EPA 625	9B11088	7.1	19	ND	0.943	02/11/09	02/16/09	
2,4-Dichlorophenol	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
Diethyl phthalate	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
2,4-Dimethylphenol	EPA 625	9B11088	3.3	19	ND	0.943	02/11/09	02/16/09	
Dimethyl phthalate	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
4,6-Dinitro-2-methylphenol	EPA 625	9B11088	3.8	19	ND	0.943	02/11/09	02/16/09	
2,4-Dinitrophenol	EPA 625	9B11088	7.5	19	ND	0.943	02/11/09	02/16/09	
2,4-Dinitrotoluene	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
2,6-Dinitrotoluene	EPA 625	9B11088	1.9	9.4	ND	0.943	02/11/09	02/16/09	
Di-n-octyl phthalate	EPA 625	9B11088	3.3	19	ND	0.943	02/11/09	02/16/09	
1,2-Diphenylhydrazine/Azobenzene	EPA 625	9B11088	2.4	19	ND	0.943	02/11/09	02/16/09	
Bis(2-ethylhexyl)phthalate	EPA 625	9B11088	3.8	47	ND	0.943	02/11/09	02/16/09	

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

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
Fluoranthene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Fluorene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Hexachlorobenzene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Hexachlorobutadiene	EPA 625	9B11088	3.8	9.4	ND	0.943	02/11/09	02/16/09	
Hexachlorocyclopentadiene	EPA 625	9B11088	4.7	19	ND	0.943	02/11/09	02/16/09	
Hexachloroethane	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
Indeno(1,2,3-cd)pyrene	EPA 625	9B11088	3.3	19	ND	0.943	02/11/09	02/16/09	
Isophorone	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
2-Methylnaphthalene	EPA 625	9B11088	1.9	9.4	ND	0.943	02/11/09	02/16/09	
2-Methylphenol	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
4-Methylphenol	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
Naphthalene	EPA 625	9B11088	2.8	9.4	ND	0.943	02/11/09	02/16/09	
2-Nitroaniline	EPA 625	9B11088	1.9	19	ND	0.943	02/11/09	02/16/09	
3-Nitroaniline	EPA 625	9B11088	2.8	19	ND	0.943	02/11/09	02/16/09	
4-Nitroaniline	EPA 625	9B11088	3.8	19	ND	0.943	02/11/09	02/16/09	
Nitrobenzene	EPA 625	9B11088	2.8	19	ND	0.943	02/11/09	02/16/09	
2-Nitrophenol	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
4-Nitrophenol	EPA 625	9B11088	5.2	19	ND	0.943	02/11/09	02/16/09	
N-Nitroso-di-n-propylamine	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
N-Nitrosodimethylamine	EPA 625	9B11088	2.4	19	ND	0.943	02/11/09	02/16/09	
N-Nitrosodiphenylamine	EPA 625	9B11088	1.9	9.4	ND	0.943	02/11/09	02/16/09	
Pentachlorophenol	EPA 625	9B11088	3.3	19	ND	0.943	02/11/09	02/16/09	
Phenanthrene	EPA 625	9B11088	3.3	9.4	ND	0.943	02/11/09	02/16/09	
Phenol	EPA 625	9B11088	1.9	9.4	ND	0.943	02/11/09	02/16/09	
Pyrene	EPA 625	9B11088	3.8	9.4	ND	0.943	02/11/09	02/16/09	
1,2,4-Trichlorobenzene	EPA 625	9B11088	2.4	9.4	ND	0.943	02/11/09	02/16/09	
2,4,5-Trichlorophenol	EPA 625	9B11088	2.8	19	ND	0.943	02/11/09	02/16/09	
2,4,6-Trichlorophenol	EPA 625	9B11088	4.2	19	ND	0.943	02/11/09	02/16/09	
Surrogate: 2,4,6-Tribromophenol (40-120%)					*76 %*				
Surrogate: 2-Fluorobiphenyl (50-120%)					*66 %*				
Surrogate: 2-Fluorophenol (30-120%)					*56 %*				
Surrogate: Nitrobenzene-d5 (45-120%)					*64 %*				
Surrogate: Phenol-d6 (35-120%)					*62 %*				
Surrogate: Terphenyl-d14 (50-125%)					*87 %*				

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MWH-Pasadena/Boeing
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Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
4,4'-DDD	EPA 608	9B12048	0.0019	0.0047	ND	0.943	02/12/09	02/13/09	
4,4'-DDE	EPA 608	9B12048	0.0028	0.0047	ND	0.943	02/12/09	02/13/09	
4,4'-DDT	EPA 608	9B12048	0.0038	0.0094	ND	0.943	02/12/09	02/13/09	
Aldrin	EPA 608	9B12048	0.0014	0.0047	ND	0.943	02/12/09	02/13/09	
alpha-BHC	EPA 608	9B12048	0.0024	0.0047	**0.0053**	0.943	02/12/09	02/13/09	A-01, R-10
beta-BHC	EPA 608	9B12048	0.0038	0.0094	ND	0.943	02/12/09	02/13/09	
delta-BHC	EPA 608	9B12048	0.0033	0.0047	ND	0.943	02/12/09	02/13/09	
Dieldrin	EPA 608	9B12048	0.0019	0.0047	ND	0.943	02/12/09	02/13/09	
Endosulfan I	EPA 608	9B12048	0.0019	0.0047	ND	0.943	02/12/09	02/13/09	
Endosulfan II	EPA 608	9B12048	0.0028	0.0047	ND	0.943	02/12/09	02/13/09	
Endosulfan sulfate	EPA 608	9B12048	0.0028	0.0094	ND	0.943	02/12/09	02/13/09	
Endrin	EPA 608	9B12048	0.0019	0.0047	ND	0.943	02/12/09	02/13/09	
Endrin aldehyde	EPA 608	9B12048	0.0019	0.0094	ND	0.943	02/12/09	02/13/09	
Endrin ketone	EPA 608	9B12048	0.0028	0.0094	ND	0.943	02/12/09	02/13/09	
gamma-BHC (Lindane)	EPA 608	9B12048	0.0028	0.019	ND	0.943	02/12/09	02/13/09	
Heptachlor	EPA 608	9B12048	0.0028	0.0094	ND	0.943	02/12/09	02/13/09	
Heptachlor epoxide	EPA 608	9B12048	0.0024	0.0047	ND	0.943	02/12/09	02/13/09	
Methoxychlor	EPA 608	9B12048	0.0033	0.0047	ND	0.943	02/12/09	02/13/09	
Chlordane	EPA 608	9B12048	0.038	0.094	ND	0.943	02/12/09	02/13/09	
Toxaphene	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/13/09	
Surrogate: Decachlorobiphenyl (45-120%)					*71 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*64 %*				

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Sampled: 02/07/09
Received: 02/07/09

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01RE2 (Outfall 012 - Water) - cont.									**H8**
Reporting Units: ug/l									
4,4'-DDD	EPA 608	9B23113	0.0019	0.0047	ND	0.948	02/23/09	02/25/09	
4,4'-DDE	EPA 608	9B23113	0.0028	0.0047	ND	0.948	02/23/09	02/25/09	
4,4'-DDT	EPA 608	9B23113	0.0038	0.0095	ND	0.948	02/23/09	02/25/09	
Aldrin	EPA 608	9B23113	0.0014	0.0047	ND	0.948	02/23/09	02/25/09	
alpha-BHC	EPA 608	9B23113	0.0024	0.0047	**0.0046**	0.948	02/23/09	02/25/09	Ja
beta-BHC	EPA 608	9B23113	0.0038	0.0095	ND	0.948	02/23/09	02/25/09	
delta-BHC	EPA 608	9B23113	0.0033	0.0047	ND	0.948	02/23/09	02/25/09	
Dieldrin	EPA 608	9B23113	0.0019	0.0047	ND	0.948	02/23/09	02/25/09	
Endosulfan I	EPA 608	9B23113	0.0019	0.0047	ND	0.948	02/23/09	02/25/09	
Endosulfan II	EPA 608	9B23113	0.0028	0.0047	ND	0.948	02/23/09	02/25/09	
Endosulfan sulfate	EPA 608	9B23113	0.0028	0.0095	ND	0.948	02/23/09	02/25/09	
Endrin	EPA 608	9B23113	0.0019	0.0047	ND	0.948	02/23/09	02/25/09	
Endrin aldehyde	EPA 608	9B23113	0.0019	0.0095	ND	0.948	02/23/09	02/25/09	
Endrin ketone	EPA 608	9B23113	0.0028	0.0095	ND	0.948	02/23/09	02/25/09	
gamma-BHC (Lindane)	EPA 608	9B23113	0.0028	0.019	ND	0.948	02/23/09	02/25/09	
Heptachlor	EPA 608	9B23113	0.0028	0.0095	ND	0.948	02/23/09	02/25/09	
Heptachlor epoxide	EPA 608	9B23113	0.0024	0.0047	ND	0.948	02/23/09	02/25/09	
Methoxychlor	EPA 608	9B23113	0.0033	0.0047	ND	0.948	02/23/09	02/25/09	
Chlordane	EPA 608	9B23113	0.038	0.095	ND	0.948	02/23/09	02/25/09	
Toxaphene	EPA 608	9B23113	0.24	0.47	ND	0.948	02/23/09	02/25/09	
Surrogate: Decachlorobiphenyl (45-120%)					*91 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)					*82 %*				

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TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
Aroclor 1016	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/12/09	
Aroclor 1221	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/12/09	
Aroclor 1232	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/12/09	
Aroclor 1242	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/12/09	
Aroclor 1248	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/12/09	
Aroclor 1254	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/12/09	
Aroclor 1260	EPA 608	9B12048	0.24	0.47	ND	0.943	02/12/09	02/12/09	
Surrogate: Decachlorobiphenyl (45-120%)					*92 %*				

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HEXANE EXTRACTABLE MATERIAL

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: mg/l									
Hexane Extractable Material (Oil & Grease)	EPA 1664A	9B16064	1.3	4.8	ND	1	02/16/09	02/16/09	

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Sampled: 02/07/09
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METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: mg/l									
Hardness as CaCO3	SM2340B	[CALC]	N/A	0.33	**29**	1	02/10/09	02/11/09	
Boron	EPA 200.7	9B10123	0.020	0.050	**0.12**	1	02/10/09	02/11/09	
Calcium	EPA 200.7	9B10123	0.050	0.10	**9.0**	1	02/10/09	02/11/09	
Magnesium	EPA 200.7	9B10123	0.012	0.020	**1.6**	1	02/10/09	02/11/09	

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METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
Arsenic	EPA 200.7	9B10123	7.0	10	**17**	1	02/10/09	02/11/09	
Antimony	EPA 200.8	9B10143	0.20	2.0	**1.3**	1	02/10/09	02/11/09	Ja
Beryllium	EPA 200.7	9B10123	0.90	2.0	ND	1	02/10/09	02/11/09	
Chromium	EPA 200.7	9B10123	2.0	5.0	**3.2**	1	02/10/09	02/11/09	Ja
Nickel	EPA 200.7	9B10123	2.0	10	ND	1	02/10/09	02/11/09	
Cadmium	EPA 200.8	9B10143	0.11	1.0	**1.0**	1	02/10/09	02/11/09	
Copper	EPA 200.8	9B10143	0.75	2.0	**3.8**	1	02/10/09	02/11/09	
Lead	EPA 200.8	9B10143	0.30	1.0	**0.86**	1	02/10/09	02/11/09	Ja
Selenium	EPA 200.8	9B10143	0.30	2.0	ND	1	02/10/09	02/11/09	
Silver	EPA 200.8	9B10143	0.30	1.0	ND	1	02/10/09	02/11/09	
Thallium	EPA 200.8	9B10143	0.20	1.0	**0.35**	1	02/10/09	02/11/09	Ja
Zinc	EPA 200.8	9B10143	2.5	20	**35**	1	02/10/09	02/11/09	

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Sampled: 02/07/09
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DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: mg/l									
Hardness as CaCO3	SM2340B-Diss	[CALC]	N/A	0.33	**26**	1	02/09/09	02/11/09	
Boron	EPA 200.7-Diss	9B09083	0.020	0.050	**0.11**	1	02/09/09	02/11/09	
Calcium	EPA 200.7-Diss	9B09083	0.050	0.10	**8.3**	1	02/09/09	02/11/09	
Magnesium	EPA 200.7-Diss	9B09083	0.012	0.020	**1.4**	1	02/09/09	02/11/09	

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DISSOLVED METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
Arsenic	EPA 200.7-Diss	9B09083	7.0	10	**12**	1	02/09/09	02/11/09	
Antimony	EPA 200.8-Diss	9B12130	0.20	2.0	**1.0**	1	02/12/09	02/13/09	Ja
Beryllium	EPA 200.7-Diss	9B09083	0.90	2.0	ND	1	02/09/09	02/11/09	
Chromium	EPA 200.7-Diss	9B09083	2.0	5.0	**2.4**	1	02/09/09	02/11/09	Ja
Nickel	EPA 200.7-Diss	9B09083	2.0	10	ND	1	02/09/09	02/11/09	
Cadmium	EPA 200.8-Diss	9B12130	0.11	1.0	**0.66**	1	02/12/09	02/13/09	Ja
Copper	EPA 200.8-Diss	9B12130	0.75	2.0	**2.7**	1	02/12/09	02/13/09	
Lead	EPA 200.8-Diss	9B12130	0.30	1.0	ND	1	02/12/09	02/13/09	
Selenium	EPA 200.8-Diss	9B12130	0.30	2.0	ND	1	02/12/09	02/13/09	
Silver	EPA 200.8-Diss	9B12130	0.30	1.0	ND	1	02/12/09	02/13/09	
Thallium	EPA 200.8-Diss	9B12130	0.20	1.0	ND	1	02/12/09	02/13/09	C
Zinc	EPA 200.8-Diss	9B12130	2.5	20	**27**	1	02/12/09	02/13/09	

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Received: 02/07/09

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: mg/l									
Ammonia-N (Distilled)	SM4500NH3-C	9B10100	0.50	0.50	**0.84**	1	02/10/09	02/10/09	
Biochemical Oxygen Demand	SM5210B	9B08007	0.50	2.0	**7.2**	1	02/08/09	02/13/09	
Chloride	EPA 300.0	9B07033	2.5	5.0	**61**	10	02/07/09	02/07/09	
Total Cyanide	SM4500-CN-C,E	9B12116	0.0022	0.0050	ND	1	02/12/09	02/12/09	
Fluoride	SM 4500-F-C	9B16034	0.020	0.10	**1.0**	1	02/16/09	02/16/09	
Nitrate-N	EPA 300.0	9B07033	0.060	0.11	**1.9**	1	02/07/09	02/07/09	
Nitrite-N	EPA 300.0	9B07033	0.090	0.15	ND	1	02/07/09	02/07/09	
Nitrate/Nitrite-N	EPA 300.0	9B07033	0.15	0.26	**1.9**	1	02/07/09	02/07/09	
Sulfate	EPA 300.0	9B07033	0.20	0.50	**26**	1	02/07/09	02/07/09	
Total Dissolved Solids	SM2540C	9B11045	10	10	**240**	1	02/11/09	02/11/09	
Total Suspended Solids	SM 2540D	9B13134	1.0	10	**7.0**	1	02/13/09	02/13/09	Ja

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Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ml/l									
Total Settleable Solids	SM2540F	9B08009	0.10	0.10	ND	1	02/08/09	02/08/09	pH

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: NTU									
Turbidity	EPA 180.1	9B08010	0.040	1.0	**13**	1	02/08/09	02/08/09	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/l									
Perchlorate	EPA 314.0	9B13056	0.90	4.0	**1.3**	1	02/13/09	02/13/09	Ja

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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: ISB0825-01 (Outfall 012 - 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%)					*75 %*				
Surrogate: Tetrachloro-m-xylene (52-117%)					*86 %*				

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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: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/L									
Mercury	MCAWW 245.1	9043305	0.027	0.2	**0.064**	1	02/12/09	02/12/09	J, B

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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: ISB0825-01 (Outfall 012 - Water) - cont.									
Reporting Units: ug/L									
Mercury	MCAWW 245.1-DISS	9043330	0.027	0.2	**0.036**	1	02/12/09	02/12/09	J, B

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Sampled: 02/07/09
Received: 02/07/09

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Outfall 012 (ISB0825-01) - Water					
EPA 180.1	2	02/07/2009 08:50	02/07/2009 15:55	02/08/2009 12:30	02/08/2009 14:05
EPA 300.0	2	02/07/2009 08:50	02/07/2009 15:55	02/07/2009 16:55	02/07/2009 17:00
EPA 624	3	02/07/2009 08:50	02/07/2009 15:55	02/09/2009 00:00	02/09/2009 11:47
Filtration	1	02/07/2009 08:50	02/07/2009 15:55	02/08/2009 17:09	02/08/2009 17:12
SM2540F	2	02/07/2009 08:50	02/07/2009 15:55	02/08/2009 12:39	02/08/2009 13:10
SM5210B	2	02/07/2009 08:50	02/07/2009 15:55	02/08/2009 11:47	02/13/2009 13:30
Sample ID: Outfall 012 (ISB0825-01RE1) - Water					
EPA 624	3	02/07/2009 08:50	02/07/2009 15:55	02/09/2009 00:00	02/10/2009 00:21
Sample ID: Trip Blanks (ISB0825-02) - Water					
EPA 624	3	02/07/2009 08:50	02/07/2009 15:55	02/09/2009 00:00	02/09/2009 12:19
Sample ID: Trip Blanks (ISB0825-02RE1) - Water					
EPA 624	3	02/07/2009 08:50	02/07/2009 15:55	02/09/2009 00:00	02/10/2009 00:50

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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: 9B10080 Extracted: 02/10/09											
Blank Analyzed: 02/10/2009 (9B10080-BLK1)											
DRO (C13 - C28)	ND	0.10	0.050	mg/l							
EFH (C10 - C28)	ND	0.10	0.050	mg/l							
Surrogate: n-Octacosane	*0.119*			*mg/l*	*0.200*		*59*	*40-125*			
LCS Analyzed: 02/10/2009 (9B10080-BS1)											**MNR1**
EFH (C10 - C28)	0.609	0.10	0.050	mg/l	1.00		61	40-115			
Surrogate: n-Octacosane	*0.141*			*mg/l*	*0.200*		*70*	*40-125*			
LCS Dup Analyzed: 02/10/2009 (9B10080-BSD1)											
EFH (C10 - C28)	0.564	0.10	0.050	mg/l	1.00		56	40-115	8	25	
Surrogate: n-Octacosane	*0.142*			*mg/l*	*0.200*		*71*	*40-125*			

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METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B13038 Extracted: 02/13/09											
Blank Analyzed: 02/13/2009 (9B13038-BLK1)											
GRO (C4 - C12)	ND	0.050	0.030	mg/l							
Surrogate: 4-BFB (FID)	*0.00787*			*mg/l*	*0.0100*		*79*	*65-140*			
LCS Analyzed: 02/13/2009 (9B13038-BS1)											
GRO (C4 - C12)	0.822	0.050	0.030	mg/l	0.800		103	80-120			
Surrogate: 4-BFB (FID)	*0.0133*			*mg/l*	*0.0100*		*133*	*65-140*			
Matrix Spike Analyzed: 02/13/2009 (9B13038-MS1)						**Source: ISB1362-03**					
GRO (C4 - C12)	0.264	0.050	0.030	mg/l	0.220	ND	120	65-140			
Surrogate: 4-BFB (FID)	*0.0126*			*mg/l*	*0.0100*		*126*	*65-140*			
Matrix Spike Dup Analyzed: 02/13/2009 (9B13038-MSD1)						**Source: ISB1362-03**					
GRO (C4 - C12)	0.243	0.050	0.030	mg/l	0.220	ND	110	65-140	8	20	
Surrogate: 4-BFB (FID)	*0.0115*			*mg/l*	*0.0100*		*115*	*65-140*			

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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: 9B09010 Extracted: 02/09/09											
Blank Analyzed: 02/09/2009 (9B09010-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-Dibromoethane (EDB)	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							
1,2,3-Trichloropropane	ND	1.0	0.40	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							
Di-isopropyl Ether (DIPE)	ND	0.50	0.25	ug/l							

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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: 9B09010 Extracted: 02/09/09											
Blank Analyzed: 02/09/2009 (9B09010-BLK1)											
Methyl-tert-butyl Ether (MTBE)	ND	0.50	0.32	ug/l							
tert-Butanol (TBA)	ND	10	6.5	ug/l							
Surrogate: 4-Bromofluorobenzene	*21.1*			*ug/l*	*25.0*		*84*	*80-120*			
Surrogate: Dibromofluoromethane	*22.5*			*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*23.0*			*ug/l*	*25.0*		*92*	*80-120*			
LCS Analyzed: 02/09/2009 (9B09010-BS1)											
Benzene	25.1	0.50	0.28	ug/l	25.0		100	70-120			
Bromodichloromethane	28.4	0.50	0.30	ug/l	25.0		114	70-135			
Bromoform	23.5	0.50	0.40	ug/l	25.0		94	55-130			
Bromomethane	27.8	1.0	0.42	ug/l	25.0		111	65-140			
Carbon tetrachloride	29.1	0.50	0.28	ug/l	25.0		116	65-140			
Chlorobenzene	26.1	0.50	0.36	ug/l	25.0		104	75-120			
Chloroethane	28.0	1.0	0.40	ug/l	25.0		112	60-140			
Chloroform	26.9	0.50	0.33	ug/l	25.0		108	70-130			
Chloromethane	23.6	0.50	0.40	ug/l	25.0		95	50-140			
Dibromochloromethane	29.6	0.50	0.40	ug/l	25.0		119	70-140			
1,2-Dibromoethane (EDB)	25.4	0.50	0.40	ug/l	25.0		102	75-125			
1,2-Dichlorobenzene	25.8	0.50	0.32	ug/l	25.0		103	75-120			
1,3-Dichlorobenzene	26.4	0.50	0.35	ug/l	25.0		106	75-120			
1,4-Dichlorobenzene	23.6	0.50	0.37	ug/l	25.0		94	75-120			
1,1-Dichloroethane	26.1	0.50	0.40	ug/l	25.0		105	70-125			
1,2-Dichloroethane	25.3	0.50	0.28	ug/l	25.0		101	60-140			
1,1-Dichloroethene	24.3	0.50	0.42	ug/l	25.0		97	70-125			
trans-1,2-Dichloroethene	20.9	0.50	0.30	ug/l	25.0		84	70-125			
1,2-Dichloropropane	26.4	0.50	0.35	ug/l	25.0		106	70-125			
cis-1,3-Dichloropropene	33.5	0.50	0.22	ug/l	25.0		134	75-125			*L*
trans-1,3-Dichloropropene	26.1	0.50	0.32	ug/l	25.0		104	70-125			
Ethylbenzene	26.7	0.50	0.25	ug/l	25.0		107	75-125			
Methylene chloride	25.2	1.0	0.95	ug/l	25.0		101	55-130			
1,1,2,2-Tetrachloroethane	27.2	0.50	0.30	ug/l	25.0		109	55-130			
Tetrachloroethene	25.6	0.50	0.32	ug/l	25.0		102	70-125			
Toluene	27.3	0.50	0.36	ug/l	25.0		109	70-120			
1,1,1-Trichloroethane	27.5	0.50	0.30	ug/l	25.0		110	65-135			
1,1,2-Trichloroethane	26.3	0.50	0.30	ug/l	25.0		105	70-125			
Trichloroethene	25.1	0.50	0.26	ug/l	25.0		100	70-125			

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Received: 02/07/09

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: 9B09010 Extracted: 02/09/09											
LCS Analyzed: 02/09/2009 (9B09010-BS1)											
Trichlorofluoromethane	24.7	0.50	0.34	ug/l	25.0		99	65-145			
1,2,3-Trichloropropane	26.8	1.0	0.40	ug/l	25.0		107	60-130			
Vinyl chloride	24.9	0.50	0.40	ug/l	25.0		100	55-135			
Xylenes, Total	86.4	1.5	0.90	ug/l	75.0		115	70-125			
Di-isopropyl Ether (DIPE)	27.7	0.50	0.25	ug/l	25.0		111	60-135			
Methyl-tert-butyl Ether (MTBE)	26.5	0.50	0.32	ug/l	25.0		106	60-135			
tert-Butanol (TBA)	135	10	6.5	ug/l	125		108	70-135			
Surrogate: 4-Bromofluorobenzene	*23.3*			*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*23.3*			*ug/l*	*25.0*		*93*	*80-120*			
Matrix Spike Analyzed: 02/09/2009 (9B09010-MS1)						**Source: ISA2810-08**					
Benzene	24.0	0.50	0.28	ug/l	25.0	ND	96	65-125			
Bromodichloromethane	26.4	0.50	0.30	ug/l	25.0	ND	105	70-135			
Bromoform	22.4	0.50	0.40	ug/l	25.0	ND	89	55-135			
Bromomethane	22.4	1.0	0.42	ug/l	25.0	ND	90	55-145			
Carbon tetrachloride	26.3	0.50	0.28	ug/l	25.0	ND	105	65-140			
Chlorobenzene	24.8	0.50	0.36	ug/l	25.0	ND	99	75-125			
Chloroethane	22.4	1.0	0.40	ug/l	25.0	ND	90	55-140			
Chloroform	24.4	0.50	0.33	ug/l	25.0	ND	98	65-135			
Chloromethane	18.7	0.50	0.40	ug/l	25.0	ND	75	45-145			
Dibromochloromethane	27.8	0.50	0.40	ug/l	25.0	ND	111	65-140			
1,2-Dibromoethane (EDB)	25.9	0.50	0.40	ug/l	25.0	ND	104	70-130			
1,2-Dichlorobenzene	25.1	0.50	0.32	ug/l	25.0	ND	100	75-125			
1,3-Dichlorobenzene	24.8	0.50	0.35	ug/l	25.0	ND	99	75-125			
1,4-Dichlorobenzene	22.5	0.50	0.37	ug/l	25.0	ND	90	75-125			
1,1-Dichloroethane	23.2	0.50	0.40	ug/l	25.0	ND	93	65-130			
1,2-Dichloroethane	24.0	0.50	0.28	ug/l	25.0	ND	96	60-140			
1,1-Dichloroethene	21.9	0.50	0.42	ug/l	25.0	ND	87	60-130			
trans-1,2-Dichloroethene	19.7	0.50	0.30	ug/l	25.0	ND	79	65-130			
1,2-Dichloropropane	25.4	0.50	0.35	ug/l	25.0	ND	102	65-130			
cis-1,3-Dichloropropene	32.9	0.50	0.22	ug/l	25.0	ND	132	70-130			*M7*
trans-1,3-Dichloropropene	25.6	0.50	0.32	ug/l	25.0	ND	103	65-135			
Ethylbenzene	24.8	0.50	0.25	ug/l	25.0	ND	99	65-130			
Methylene chloride	23.5	1.0	0.95	ug/l	25.0	ND	94	50-135			
1,1,2,2-Tetrachloroethane	26.1	0.50	0.30	ug/l	25.0	ND	104	55-135			

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Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: 9B09010 Extracted: 02/09/09											
Matrix Spike Analyzed: 02/09/2009 (9B09010-MS1)						**Source: ISA2810-08**					
Tetrachloroethene	24.1	0.50	0.32	ug/l	25.0	ND	96	65-130			
Toluene	25.7	0.50	0.36	ug/l	25.0	ND	103	70-125			
1,1,1-Trichloroethane	24.7	0.50	0.30	ug/l	25.0	ND	99	65-140			
1,1,2-Trichloroethane	26.0	0.50	0.30	ug/l	25.0	ND	104	65-130			
Trichloroethene	23.8	0.50	0.26	ug/l	25.0	ND	95	65-125			
Trichlorofluoromethane	21.6	0.50	0.34	ug/l	25.0	ND	86	60-145			
1,2,3-Trichloropropane	25.5	1.0	0.40	ug/l	25.0	ND	102	55-135			
Vinyl chloride	18.6	0.50	0.40	ug/l	25.0	ND	74	45-140			
Xylenes, Total	77.0	1.5	0.90	ug/l	75.0	ND	103	60-130			
Di-isopropyl Ether (DIPE)	24.5	0.50	0.25	ug/l	25.0	ND	98	60-140			
Methyl-tert-butyl Ether (MTBE)	26.2	0.50	0.32	ug/l	25.0	ND	105	55-145			
tert-Butanol (TBA)	124	10	6.5	ug/l	125	ND	99	65-140			
Surrogate: 4-Bromofluorobenzene	*22.3*			*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*23.0*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*23.1*			*ug/l*	*25.0*		*92*	*80-120*			
Matrix Spike Dup Analyzed: 02/09/2009 (9B09010-MSD1)						**Source: ISA2810-08**					
Benzene	22.6	0.50	0.28	ug/l	25.0	ND	90	65-125	6	20	
Bromodichloromethane	24.4	0.50	0.30	ug/l	25.0	ND	98	70-135	8	20	
Bromoform	21.8	0.50	0.40	ug/l	25.0	ND	87	55-135	2	25	
Bromomethane	19.8	1.0	0.42	ug/l	25.0	ND	79	55-145	12	25	
Carbon tetrachloride	24.3	0.50	0.28	ug/l	25.0	ND	97	65-140	8	25	
Chlorobenzene	23.8	0.50	0.36	ug/l	25.0	ND	95	75-125	4	20	
Chloroethane	19.6	1.0	0.40	ug/l	25.0	ND	79	55-140	13	25	
Chloroform	21.9	0.50	0.33	ug/l	25.0	ND	87	65-135	11	20	
Chloromethane	16.6	0.50	0.40	ug/l	25.0	ND	66	45-145	12	25	
Dibromochloromethane	26.1	0.50	0.40	ug/l	25.0	ND	104	65-140	6	25	
1,2-Dibromoethane (EDB)	24.1	0.50	0.40	ug/l	25.0	ND	96	70-130	7	25	
1,2-Dichlorobenzene	24.5	0.50	0.32	ug/l	25.0	ND	98	75-125	2	20	
1,3-Dichlorobenzene	24.1	0.50	0.35	ug/l	25.0	ND	96	75-125	3	20	
1,4-Dichlorobenzene	21.6	0.50	0.37	ug/l	25.0	ND	86	75-125	4	20	
1,1-Dichloroethane	21.1	0.50	0.40	ug/l	25.0	ND	84	65-130	10	20	
1,2-Dichloroethane	21.2	0.50	0.28	ug/l	25.0	ND	85	60-140	13	20	
1,1-Dichloroethene	20.8	0.50	0.42	ug/l	25.0	ND	83	60-130	5	20	
trans-1,2-Dichloroethene	18.7	0.50	0.30	ug/l	25.0	ND	75	65-130	6	20	
1,2-Dichloropropane	24.0	0.50	0.35	ug/l	25.0	ND	96	65-130	6	20	

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Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: 9B09010 Extracted: 02/09/09											
Matrix Spike Dup Analyzed: 02/09/2009 (9B09010-MSD1)						**Source: ISA2810-08**					
cis-1,3-Dichloropropene	30.7	0.50	0.22	ug/l	25.0	ND	123	70-130	7	20	
trans-1,3-Dichloropropene	23.4	0.50	0.32	ug/l	25.0	ND	94	65-135	9	25	
Ethylbenzene	23.6	0.50	0.25	ug/l	25.0	ND	94	65-130	5	20	
Methylene chloride	21.8	1.0	0.95	ug/l	25.0	ND	87	50-135	8	20	
1,1,2,2-Tetrachloroethane	24.3	0.50	0.30	ug/l	25.0	ND	97	55-135	7	30	
Tetrachloroethene	24.2	0.50	0.32	ug/l	25.0	ND	97	65-130	1	20	
Toluene	24.6	0.50	0.36	ug/l	25.0	ND	98	70-125	4	20	
1,1,1-Trichloroethane	22.3	0.50	0.30	ug/l	25.0	ND	89	65-140	10	20	
1,1,2-Trichloroethane	24.2	0.50	0.30	ug/l	25.0	ND	97	65-130	7	25	
Trichloroethene	23.1	0.50	0.26	ug/l	25.0	ND	92	65-125	3	20	
Trichlorofluoromethane	19.4	0.50	0.34	ug/l	25.0	ND	77	60-145	11	25	
1,2,3-Trichloropropane	24.6	1.0	0.40	ug/l	25.0	ND	98	55-135	4	30	
Vinyl chloride	15.9	0.50	0.40	ug/l	25.0	ND	64	45-140	16	30	
Xylenes, Total	74.1	1.5	0.90	ug/l	75.0	ND	99	60-130	4	20	
Di-isopropyl Ether (DIPE)	21.4	0.50	0.25	ug/l	25.0	ND	86	60-140	13	25	
Methyl-tert-butyl Ether (MTBE)	23.0	0.50	0.32	ug/l	25.0	ND	92	55-145	13	25	
tert-Butanol (TBA)	120	10	6.5	ug/l	125	ND	96	65-140	3	25	
Surrogate: 4-Bromofluorobenzene	*21.9*			*ug/l*	*25.0*		*87*	*80-120*			
Surrogate: Dibromofluoromethane	*21.4*			*ug/l*	*25.0*		*86*	*80-120*			
Surrogate: Toluene-d8	*23.0*			*ug/l*	*25.0*		*92*	*80-120*			

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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: 9B09010 Extracted: 02/09/09											
Blank Analyzed: 02/09/2009 (9B09010-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	*21.1*			*ug/l*	*25.0*		*84*	*80-120*			
Surrogate: Dibromofluoromethane	*22.5*			*ug/l*	*25.0*		*90*	*80-120*			
Surrogate: Toluene-d8	*23.0*			*ug/l*	*25.0*		*92*	*80-120*			
LCS Analyzed: 02/09/2009 (9B09010-BS1)											
2-Chloroethyl vinyl ether	25.0	5.0	1.8	ug/l	25.0		100	25-170			
Surrogate: 4-Bromofluorobenzene	*23.3*			*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: Dibromofluoromethane	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*23.3*			*ug/l*	*25.0*		*93*	*80-120*			
Matrix Spike Analyzed: 02/09/2009 (9B09010-MS1)						**Source: ISA2810-08**					
2-Chloroethyl vinyl ether	ND	5.0	1.8	ug/l	25.0	ND		25-170			*M13*
Surrogate: 4-Bromofluorobenzene	*22.3*			*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Dibromofluoromethane	*23.0*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*23.1*			*ug/l*	*25.0*		*92*	*80-120*			
Matrix Spike Dup Analyzed: 02/09/2009 (9B09010-MSD1)						**Source: ISA2810-08**					
2-Chloroethyl vinyl ether	ND	5.0	1.8	ug/l	25.0	ND		25-170		25	*M13*
Surrogate: 4-Bromofluorobenzene	*21.9*			*ug/l*	*25.0*		*87*	*80-120*			
Surrogate: Dibromofluoromethane	*21.4*			*ug/l*	*25.0*		*86*	*80-120*			
Surrogate: Toluene-d8	*23.0*			*ug/l*	*25.0*		*92*	*80-120*			
Batch: 9B09020 Extracted: 02/09/09											
Blank Analyzed: 02/09/2009 (9B09020-BLK1)											
2-Chloroethyl vinyl ether	ND	5.0	1.8	ug/l							
Surrogate: 4-Bromofluorobenzene	*21.5*			*ug/l*	*25.0*		*86*	*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*			

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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: 9B09020 Extracted: 02/09/09											
LCS Analyzed: 02/09/2009 (9B09020-BS1)											
2-Chloroethyl vinyl ether	17.8	5.0	1.8	ug/l	25.0		71	25-170			
Surrogate: 4-Bromofluorobenzene	*24.2*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Analyzed: 02/09/2009 (9B09020-MS1)						**Source: ISB0451-03RE1**					
2-Chloroethyl vinyl ether	19.2	5.0	1.8	ug/l	25.0	ND	77	25-170			
Surrogate: 4-Bromofluorobenzene	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Dibromofluoromethane	*23.8*			*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: Toluene-d8	*24.9*			*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 02/09/2009 (9B09020-MSD1)						**Source: ISB0451-03RE1**					
2-Chloroethyl vinyl ether	19.7	5.0	1.8	ug/l	25.0	ND	79	25-170	3	25	
Surrogate: 4-Bromofluorobenzene	*24.4*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*24.2*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			

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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: 9B12012 Extracted: 02/12/09											
Blank Analyzed: 02/12/2009 (9B12012-BLK1)											
1,4-Dioxane	ND	2.0	1.0	ug/l							
Surrogate: Dibromofluoromethane	*1.00*			*ug/l*	*1.00*		*100*	*80-120*			
LCS Analyzed: 02/12/2009 (9B12012-BS1)											
1,4-Dioxane	9.04	2.0	1.0	ug/l	10.0		90	70-125			
Surrogate: Dibromofluoromethane	*0.990*			*ug/l*	*1.00*		*99*	*80-120*			
LCS Dup Analyzed: 02/12/2009 (9B12012-BSD1)											
1,4-Dioxane	9.69	2.0	1.0	ug/l	10.0		97	70-125	7	30	
Surrogate: Dibromofluoromethane	*1.00*			*ug/l*	*1.00*		*100*	*80-120*			
Matrix Spike Analyzed: 02/12/2009 (9B12012-MS1)						**Source: ISB1230-04**					
1,4-Dioxane	9.79	2.0	1.0	ug/l	10.0	ND	98	70-130			
Surrogate: Dibromofluoromethane	*1.03*			*ug/l*	*1.00*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 02/12/2009 (9B12012-MSD1)						**Source: ISB1230-04**					
1,4-Dioxane	8.84	2.0	1.0	ug/l	10.0	ND	88	70-130	10	30	
Surrogate: Dibromofluoromethane	*1.00*			*ug/l*	*1.00*		*100*	*80-120*			

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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: 9B11088 Extracted: 02/11/09											
Blank Analyzed: 02/16/2009 (9B11088-BLK1)											
Acenaphthene	ND	10	3.0	ug/l							
Acenaphthylene	ND	10	3.0	ug/l							
Aniline	ND	10	3.5	ug/l							
Anthracene	ND	10	2.5	ug/l							
Benzidine	ND	20	10	ug/l							
Benzo(a)anthracene	ND	10	2.5	ug/l							
Benzo(a)pyrene	ND	10	3.0	ug/l							
Benzo(b)fluoranthene	ND	10	2.0	ug/l							
Benzo(g,h,i)perylene	ND	10	4.0	ug/l							
Benzo(k)fluoranthene	ND	10	2.5	ug/l							
Benzoic acid	ND	20	10	ug/l							
Benzyl alcohol	ND	20	3.5	ug/l							
4-Bromophenyl phenyl ether	ND	10	3.0	ug/l							
Butyl benzyl phthalate	ND	20	4.0	ug/l							
4-Chloro-3-methylphenol	ND	20	2.5	ug/l							
4-Chloroaniline	ND	10	2.0	ug/l							
Bis(2-chloroethoxy)methane	ND	10	3.0	ug/l							
Bis(2-chloroethyl)ether	ND	10	3.0	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	2.5	ug/l							
2-Chloronaphthalene	ND	10	3.0	ug/l							
2-Chlorophenol	ND	10	3.0	ug/l							
4-Chlorophenyl phenyl ether	ND	10	2.5	ug/l							
Chrysene	ND	10	2.5	ug/l							
Dibenz(a,h)anthracene	ND	20	3.0	ug/l							
Dibenzofuran	ND	10	4.0	ug/l							
Di-n-butyl phthalate	ND	20	3.0	ug/l							
1,2-Dichlorobenzene	ND	10	3.0	ug/l							
1,3-Dichlorobenzene	ND	10	3.0	ug/l							
1,4-Dichlorobenzene	ND	10	2.5	ug/l							
3,3'-Dichlorobenzidine	ND	20	7.5	ug/l							
2,4-Dichlorophenol	ND	10	3.5	ug/l							
Diethyl phthalate	ND	10	3.5	ug/l							
2,4-Dimethylphenol	ND	20	3.5	ug/l							
Dimethyl phthalate	ND	10	2.5	ug/l							
4,6-Dinitro-2-methylphenol	ND	20	4.0	ug/l							

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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: 9B11088 Extracted: 02/11/09											
Blank Analyzed: 02/16/2009 (9B11088-BLK1)											
2,4-Dinitrophenol	ND	20	8.0	ug/l							
2,4-Dinitrotoluene	ND	10	3.5	ug/l							
2,6-Dinitrotoluene	ND	10	2.0	ug/l							
Di-n-octyl phthalate	ND	20	3.5	ug/l							
1,2-Diphenylhydrazine/Azobenzene	ND	20	2.5	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	4.0	ug/l							
Fluoranthene	ND	10	3.0	ug/l							
Fluorene	ND	10	3.0	ug/l							
Hexachlorobenzene	ND	10	3.0	ug/l							
Hexachlorobutadiene	ND	10	4.0	ug/l							
Hexachlorocyclopentadiene	ND	20	5.0	ug/l							
Hexachloroethane	ND	10	3.5	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	3.5	ug/l							
Isophorone	ND	10	3.0	ug/l							
2-Methylnaphthalene	ND	10	2.0	ug/l							
2-Methylphenol	ND	10	3.0	ug/l							
4-Methylphenol	ND	10	3.0	ug/l							
Naphthalene	ND	10	3.0	ug/l							
2-Nitroaniline	ND	20	2.0	ug/l							
3-Nitroaniline	ND	20	3.0	ug/l							
4-Nitroaniline	ND	20	4.0	ug/l							
Nitrobenzene	ND	20	3.0	ug/l							
2-Nitrophenol	ND	10	3.5	ug/l							
4-Nitrophenol	ND	20	5.5	ug/l							
N-Nitroso-di-n-propylamine	ND	10	3.5	ug/l							
N-Nitrosodimethylamine	ND	20	2.5	ug/l							
N-Nitrosodiphenylamine	ND	10	2.0	ug/l							
Pentachlorophenol	ND	20	3.5	ug/l							
Phenanthrene	ND	10	3.5	ug/l							
Phenol	ND	10	2.0	ug/l							
Pyrene	ND	10	4.0	ug/l							
1,2,4-Trichlorobenzene	ND	10	2.5	ug/l							
2,4,5-Trichlorophenol	ND	20	3.0	ug/l							
2,4,6-Trichlorophenol	ND	20	4.5	ug/l							
Surrogate: 2,4,6-Tribromophenol	*164*			*ug/l*	*200*		*82*	*40-120*			

TestAmerica Irvine

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MWH-Pasadena/Boeing
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Arcadia, CA 91007
Attention: Bronwyn Kelly

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: 9B11088 Extracted: 02/11/09											
Blank Analyzed: 02/16/2009 (9B11088-BLK1)											
Surrogate: 2-Fluorobiphenyl	*80.1*			*ug/l*	*100*		*80*	*50-120*			
Surrogate: 2-Fluorophenol	*140*			*ug/l*	*200*		*70*	*30-120*			
Surrogate: Nitrobenzene-d5	*76.6*			*ug/l*	*100*		*77*	*45-120*			
Surrogate: Phenol-d6	*138*			*ug/l*	*200*		*69*	*35-120*			
Surrogate: Terphenyl-d14	*93.7*			*ug/l*	*100*		*94*	*50-125*			
LCS Analyzed: 02/16/2009 (9B11088-BS1)											**MNR1**
Acenaphthene	81.7	10	3.0	ug/l	100		82	60-120			
Acenaphthylene	87.6	10	3.0	ug/l	100		88	60-120			
Aniline	69.0	10	3.5	ug/l	100		69	35-120			
Anthracene	89.8	10	2.5	ug/l	100		90	65-120			
Benzidine	99.0	20	10	ug/l	100		99	30-160			
Benzo(a)anthracene	89.2	10	2.5	ug/l	100		89	65-120			
Benzo(a)pyrene	96.3	10	3.0	ug/l	100		96	55-130			
Benzo(b)fluoranthene	90.8	10	2.0	ug/l	100		91	55-125			
Benzo(g,h,i)perylene	93.3	10	4.0	ug/l	100		93	45-135			
Benzo(k)fluoranthene	92.7	10	2.5	ug/l	100		93	50-125			
Benzoic acid	74.4	20	10	ug/l	100		74	25-120			
Benzyl alcohol	79.3	20	3.5	ug/l	100		79	50-120			
4-Bromophenyl phenyl ether	88.6	10	3.0	ug/l	100		89	60-120			
Butyl benzyl phthalate	92.4	20	4.0	ug/l	100		92	55-130			
4-Chloro-3-methylphenol	84.6	20	2.5	ug/l	100		85	60-120			
4-Chloroaniline	86.3	10	2.0	ug/l	100		86	55-120			
Bis(2-chloroethoxy)methane	83.2	10	3.0	ug/l	100		83	55-120			
Bis(2-chloroethyl)ether	74.8	10	3.0	ug/l	100		75	50-120			
Bis(2-chloroisopropyl)ether	78.4	10	2.5	ug/l	100		78	45-120			
2-Chloronaphthalene	84.9	10	3.0	ug/l	100		85	60-120			
2-Chlorophenol	73.4	10	3.0	ug/l	100		73	45-120			
4-Chlorophenyl phenyl ether	86.2	10	2.5	ug/l	100		86	65-120			
Chrysene	90.2	10	2.5	ug/l	100		90	65-120			
Dibenz(a,h)anthracene	101	20	3.0	ug/l	100		101	50-135			
Dibenzofuran	88.2	10	4.0	ug/l	100		88	65-120			
Di-n-butyl phthalate	92.8	20	3.0	ug/l	100		93	60-125			
1,2-Dichlorobenzene	67.6	10	3.0	ug/l	100		68	40-120			
1,3-Dichlorobenzene	63.2	10	3.0	ug/l	100		63	35-120			
1,4-Dichlorobenzene	64.6	10	2.5	ug/l	100		65	35-120			

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Project ID: Annual Outfall 012
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Sampled: 02/07/09
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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: 9B11088 Extracted: 02/11/09											
LCS Analyzed: 02/16/2009 (9B11088-BS1)											**MNR1**
3,3'-Dichlorobenzidine	86.2	20	7.5	ug/l	100		86	45-135			
2,4-Dichlorophenol	81.7	10	3.5	ug/l	100		82	55-120			
Diethyl phthalate	91.0	10	3.5	ug/l	100		91	55-120			
2,4-Dimethylphenol	66.9	20	3.5	ug/l	100		67	40-120			
Dimethyl phthalate	87.9	10	2.5	ug/l	100		88	30-120			
4,6-Dinitro-2-methylphenol	82.3	20	4.0	ug/l	100		82	45-120			
2,4-Dinitrophenol	82.0	20	8.0	ug/l	100		82	40-120			
2,4-Dinitrotoluene	92.1	10	3.5	ug/l	100		92	65-120			
2,6-Dinitrotoluene	89.9	10	2.0	ug/l	100		90	65-120			
Di-n-octyl phthalate	108	20	3.5	ug/l	100		108	65-135			
1,2-Diphenylhydrazine/Azobenzene	85.1	20	2.5	ug/l	100		85	60-120			
Bis(2-ethylhexyl)phthalate	95.0	50	4.0	ug/l	100		95	65-130			
Fluoranthene	92.6	10	3.0	ug/l	100		93	60-120			
Fluorene	88.2	10	3.0	ug/l	100		88	65-120			
Hexachlorobenzene	88.9	10	3.0	ug/l	100		89	60-120			
Hexachlorobutadiene	77.6	10	4.0	ug/l	100		78	40-120			
Hexachlorocyclopentadiene	54.0	20	5.0	ug/l	100		54	25-120			
Hexachloroethane	63.6	10	3.5	ug/l	100		64	35-120			
Indeno(1,2,3-cd)pyrene	104	20	3.5	ug/l	100		104	45-135			
Isophorone	83.5	10	3.0	ug/l	100		83	50-120			
2-Methylnaphthalene	84.0	10	2.0	ug/l	100		84	55-120			
2-Methylphenol	74.0	10	3.0	ug/l	100		74	50-120			
4-Methylphenol	70.7	10	3.0	ug/l	100		71	50-120			
Naphthalene	78.8	10	3.0	ug/l	100		79	55-120			
2-Nitroaniline	92.2	20	2.0	ug/l	100		92	65-120			
3-Nitroaniline	93.9	20	3.0	ug/l	100		94	60-120			
4-Nitroaniline	94.8	20	4.0	ug/l	100		95	55-125			
Nitrobenzene	81.4	20	3.0	ug/l	100		81	55-120			
2-Nitrophenol	86.2	10	3.5	ug/l	100		86	50-120			
4-Nitrophenol	92.9	20	5.5	ug/l	100		93	45-120			
N-Nitroso-di-n-propylamine	80.0	10	3.5	ug/l	100		80	45-120			
N-Nitrosodimethylamine	74.7	20	2.5	ug/l	100		75	45-120			
N-Nitrosodiphenylamine	86.3	10	2.0	ug/l	100		86	60-120			
Pentachlorophenol	79.4	20	3.5	ug/l	100		79	50-120			
Phenanthrene	88.7	10	3.5	ug/l	100		89	65-120			

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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: 9B11088 Extracted: 02/11/09											
LCS Analyzed: 02/16/2009 (9B11088-BS1)											**MNR1**
Phenol	77.3	10	2.0	ug/l	100		77	40-120			
Pyrene	92.3	10	4.0	ug/l	100		92	55-125			
1,2,4-Trichlorobenzene	76.6	10	2.5	ug/l	100		77	45-120			
2,4,5-Trichlorophenol	88.3	20	3.0	ug/l	100		88	55-120			
2,4,6-Trichlorophenol	89.2	20	4.5	ug/l	100		89	55-120			
Surrogate: 2,4,6-Tribromophenol	*168*			*ug/l*	*200*		*84*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*86.1*			*ug/l*	*100*		*86*	*50-120*			
Surrogate: 2-Fluorophenol	*133*			*ug/l*	*200*		*66*	*30-120*			
Surrogate: Nitrobenzene-d5	*81.3*			*ug/l*	*100*		*81*	*45-120*			
Surrogate: Phenol-d6	*145*			*ug/l*	*200*		*73*	*35-120*			
Surrogate: Terphenyl-d14	*94.4*			*ug/l*	*100*		*94*	*50-125*			
LCS Dup Analyzed: 02/16/2009 (9B11088-BSD1)											
Acenaphthene	73.8	10	3.0	ug/l	100		74	60-120	10	20	
Acenaphthylene	77.7	10	3.0	ug/l	100		78	60-120	12	20	
Aniline	68.9	10	3.5	ug/l	100		69	35-120	0	30	
Anthracene	81.6	10	2.5	ug/l	100		82	65-120	10	20	
Benzidine	112	20	10	ug/l	100		112	30-160	12	35	
Benzo(a)anthracene	81.7	10	2.5	ug/l	100		82	65-120	9	20	
Benzo(a)pyrene	87.5	10	3.0	ug/l	100		87	55-130	10	25	
Benzo(b)fluoranthene	81.6	10	2.0	ug/l	100		82	55-125	11	25	
Benzo(g,h,i)perylene	88.6	10	4.0	ug/l	100		89	45-135	5	25	
Benzo(k)fluoranthene	86.6	10	2.5	ug/l	100		87	50-125	7	20	
Benzoic acid	65.9	20	10	ug/l	100		66	25-120	12	30	
Benzyl alcohol	72.1	20	3.5	ug/l	100		72	50-120	9	20	
4-Bromophenyl phenyl ether	81.0	10	3.0	ug/l	100		81	60-120	9	25	
Butyl benzyl phthalate	83.7	20	4.0	ug/l	100		84	55-130	10	20	
4-Chloro-3-methylphenol	77.1	20	2.5	ug/l	100		77	60-120	9	25	
4-Chloroaniline	77.5	10	2.0	ug/l	100		77	55-120	11	25	
Bis(2-chloroethoxy)methane	73.1	10	3.0	ug/l	100		73	55-120	13	20	
Bis(2-chloroethyl)ether	68.2	10	3.0	ug/l	100		68	50-120	9	20	
Bis(2-chloroisopropyl)ether	71.3	10	2.5	ug/l	100		71	45-120	10	20	
2-Chloronaphthalene	74.6	10	3.0	ug/l	100		75	60-120	13	20	
2-Chlorophenol	66.2	10	3.0	ug/l	100		66	45-120	10	25	
4-Chlorophenyl phenyl ether	78.3	10	2.5	ug/l	100		78	65-120	10	20	
Chrysene	81.6	10	2.5	ug/l	100		82	65-120	10	20	

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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: 9B11088 Extracted: 02/11/09											
LCS Dup Analyzed: 02/16/2009 (9B11088-BSD1)											
Dibenz(a,h)anthracene	91.4	20	3.0	ug/l	100		91	50-135	10	25	
Dibenzofuran	79.6	10	4.0	ug/l	100		80	65-120	10	20	
Di-n-butyl phthalate	83.1	20	3.0	ug/l	100		83	60-125	11	20	
1,2-Dichlorobenzene	61.3	10	3.0	ug/l	100		61	40-120	10	25	
1,3-Dichlorobenzene	57.9	10	3.0	ug/l	100		58	35-120	9	25	
1,4-Dichlorobenzene	59.3	10	2.5	ug/l	100		59	35-120	9	25	
3,3'-Dichlorobenzidine	82.0	20	7.5	ug/l	100		82	45-135	5	25	
2,4-Dichlorophenol	72.7	10	3.5	ug/l	100		73	55-120	12	20	
Diethyl phthalate	84.4	10	3.5	ug/l	100		84	55-120	8	30	
2,4-Dimethylphenol	58.0	20	3.5	ug/l	100		58	40-120	14	25	
Dimethyl phthalate	80.2	10	2.5	ug/l	100		80	30-120	9	30	
4,6-Dinitro-2-methylphenol	76.9	20	4.0	ug/l	100		77	45-120	7	25	
2,4-Dinitrophenol	75.4	20	8.0	ug/l	100		75	40-120	8	25	
2,4-Dinitrotoluene	84.5	10	3.5	ug/l	100		85	65-120	9	20	
2,6-Dinitrotoluene	82.8	10	2.0	ug/l	100		83	65-120	8	20	
Di-n-octyl phthalate	96.8	20	3.5	ug/l	100		97	65-135	11	20	
1,2-Diphenylhydrazine/Azobenzene	77.6	20	2.5	ug/l	100		78	60-120	9	25	
Bis(2-ethylhexyl)phthalate	86.7	50	4.0	ug/l	100		87	65-130	9	20	
Fluoranthene	84.5	10	3.0	ug/l	100		84	60-120	9	20	
Fluorene	80.9	10	3.0	ug/l	100		81	65-120	9	20	
Hexachlorobenzene	80.2	10	3.0	ug/l	100		80	60-120	10	20	
Hexachlorobutadiene	64.2	10	4.0	ug/l	100		64	40-120	19	25	
Hexachlorocyclopentadiene	43.8	20	5.0	ug/l	100		44	25-120	21	30	
Hexachloroethane	58.0	10	3.5	ug/l	100		58	35-120	9	25	
Indeno(1,2,3-cd)pyrene	91.9	20	3.5	ug/l	100		92	45-135	12	25	
Isophorone	76.2	10	3.0	ug/l	100		76	50-120	9	20	
2-Methylnaphthalene	74.6	10	2.0	ug/l	100		75	55-120	12	20	
2-Methylphenol	66.2	10	3.0	ug/l	100		66	50-120	11	20	
4-Methylphenol	64.2	10	3.0	ug/l	100		64	50-120	10	20	
Naphthalene	68.3	10	3.0	ug/l	100		68	55-120	14	20	
2-Nitroaniline	85.2	20	2.0	ug/l	100		85	65-120	8	20	
3-Nitroaniline	85.8	20	3.0	ug/l	100		86	60-120	9	25	
4-Nitroaniline	88.9	20	4.0	ug/l	100		89	55-125	6	20	
Nitrobenzene	70.4	20	3.0	ug/l	100		70	55-120	15	25	
2-Nitrophenol	74.7	10	3.5	ug/l	100		75	50-120	14	25	

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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: 9B11088 Extracted: 02/11/09											
LCS Dup Analyzed: 02/16/2009 (9B11088-BSD1)											
4-Nitrophenol	87.3	20	5.5	ug/l	100		87	45-120	6	30	
N-Nitroso-di-n-propylamine	73.9	10	3.5	ug/l	100		74	45-120	8	20	
N-Nitrosodimethylamine	65.4	20	2.5	ug/l	100		65	45-120	13	20	
N-Nitrosodiphenylamine	77.4	10	2.0	ug/l	100		77	60-120	11	20	
Pentachlorophenol	71.7	20	3.5	ug/l	100		72	50-120	10	25	
Phenanthrene	80.8	10	3.5	ug/l	100		81	65-120	9	20	
Phenol	70.7	10	2.0	ug/l	100		71	40-120	9	25	
Pyrene	84.9	10	4.0	ug/l	100		85	55-125	8	25	
1,2,4-Trichlorobenzene	64.4	10	2.5	ug/l	100		64	45-120	17	20	
2,4,5-Trichlorophenol	78.2	20	3.0	ug/l	100		78	55-120	12	30	
2,4,6-Trichlorophenol	79.2	20	4.5	ug/l	100		79	55-120	12	30	
Surrogate: 2,4,6-Tribromophenol	*150*			*ug/l*	*200*		*75*	*40-120*			
Surrogate: 2-Fluorobiphenyl	*74.4*			*ug/l*	*100*		*74*	*50-120*			
Surrogate: 2-Fluorophenol	*119*			*ug/l*	*200*		*60*	*30-120*			
Surrogate: Nitrobenzene-d5	*70.0*			*ug/l*	*100*		*70*	*45-120*			
Surrogate: Phenol-d6	*128*			*ug/l*	*200*		*64*	*35-120*			
Surrogate: Terphenyl-d14	*84.6*			*ug/l*	*100*		*85*	*50-125*			

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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: 9B12048 Extracted: 02/12/09											
Blank Analyzed: 02/12/2009 (9B12048-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	*0.416*			*ug/l*	*0.500*		*83*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.423*			*ug/l*	*0.500*		*85*	*35-115*			
LCS Analyzed: 02/12/2009 (9B12048-BS1)											**MNR1**
4,4'-DDD	0.459	0.0050	0.0020	ug/l	0.500		92	55-120			
4,4'-DDE	0.444	0.0050	0.0030	ug/l	0.500		89	50-120			
4,4'-DDT	0.460	0.010	0.0040	ug/l	0.500		92	55-120			
Aldrin	0.411	0.0050	0.0015	ug/l	0.500		82	40-115			
alpha-BHC	0.393	0.0050	0.0025	ug/l	0.500		79	45-115			
beta-BHC	0.440	0.010	0.0040	ug/l	0.500		88	55-115			
delta-BHC	0.456	0.0050	0.0035	ug/l	0.500		91	55-115			
Dieldrin	0.487	0.0050	0.0020	ug/l	0.500		97	55-115			
Endosulfan I	0.458	0.0050	0.0020	ug/l	0.500		92	55-115			
Endosulfan II	0.474	0.0050	0.0030	ug/l	0.500		95	55-120			
Endosulfan sulfate	0.481	0.010	0.0030	ug/l	0.500		96	60-120			
Endrin	0.460	0.0050	0.0020	ug/l	0.500		92	55-115			

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Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: 9B12048 Extracted: 02/12/09											
LCS Analyzed: 02/12/2009 (9B12048-BS1)											**MNR1**
Endrin aldehyde	0.419	0.010	0.0020	ug/l	0.500		84	50-120			
Endrin ketone	0.452	0.010	0.0030	ug/l	0.500		90	55-120			
gamma-BHC (Lindane)	0.400	0.020	0.0030	ug/l	0.500		80	45-115			
Heptachlor	0.433	0.010	0.0030	ug/l	0.500		87	45-115			
Heptachlor epoxide	0.464	0.0050	0.0025	ug/l	0.500		93	55-115			
Methoxychlor	0.447	0.0050	0.0035	ug/l	0.500		89	60-120			
Surrogate: Decachlorobiphenyl	*0.384*			*ug/l*	*0.500*		*77*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.364*			*ug/l*	*0.500*		*73*	*35-115*			
LCS Dup Analyzed: 02/12/2009 (9B12048-BSD1)											
4,4'-DDD	0.466	0.0050	0.0020	ug/l	0.500		93	55-120	2	30	
4,4'-DDE	0.457	0.0050	0.0030	ug/l	0.500		91	50-120	3	30	
4,4'-DDT	0.469	0.010	0.0040	ug/l	0.500		94	55-120	2	30	
Aldrin	0.430	0.0050	0.0015	ug/l	0.500		86	40-115	5	30	
alpha-BHC	0.421	0.0050	0.0025	ug/l	0.500		84	45-115	7	30	
beta-BHC	0.456	0.010	0.0040	ug/l	0.500		91	55-115	4	30	
delta-BHC	0.462	0.0050	0.0035	ug/l	0.500		92	55-115	1	30	
Dieldrin	0.497	0.0050	0.0020	ug/l	0.500		99	55-115	2	30	
Endosulfan I	0.471	0.0050	0.0020	ug/l	0.500		94	55-115	3	30	
Endosulfan II	0.482	0.0050	0.0030	ug/l	0.500		96	55-120	2	30	
Endosulfan sulfate	0.482	0.010	0.0030	ug/l	0.500		96	60-120	0	30	
Endrin	0.471	0.0050	0.0020	ug/l	0.500		94	55-115	2	30	
Endrin aldehyde	0.426	0.010	0.0020	ug/l	0.500		85	50-120	2	30	
Endrin ketone	0.448	0.010	0.0030	ug/l	0.500		90	55-120	1	30	
gamma-BHC (Lindane)	0.422	0.020	0.0030	ug/l	0.500		84	45-115	5	30	
Heptachlor	0.453	0.010	0.0030	ug/l	0.500		91	45-115	5	30	
Heptachlor epoxide	0.481	0.0050	0.0025	ug/l	0.500		96	55-115	4	30	
Methoxychlor	0.449	0.0050	0.0035	ug/l	0.500		90	60-120	0	30	
Surrogate: Decachlorobiphenyl	*0.382*			*ug/l*	*0.500*		*76*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.377*			*ug/l*	*0.500*		*75*	*35-115*			

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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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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*			

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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: 9B12048 Extracted: 02/12/09											
Blank Analyzed: 02/12/2009 (9B12048-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	*0.530*			*ug/l*	*0.500*		*106*	*45-120*			
LCS Analyzed: 02/12/2009 (9B12048-BS2)											**MNR1**
Aroclor 1016	3.96	0.50	0.25	ug/l	4.00		99	50-115			
Aroclor 1260	4.16	0.50	0.25	ug/l	4.00		104	60-120			
Surrogate: Decachlorobiphenyl	*0.540*			*ug/l*	*0.500*		*108*	*45-120*			
LCS Dup Analyzed: 02/13/2009 (9B12048-BSD2)											
Aroclor 1016	3.95	0.50	0.25	ug/l	4.00		99	50-115	0	30	
Aroclor 1260	4.00	0.50	0.25	ug/l	4.00		100	60-120	4	25	
Surrogate: Decachlorobiphenyl	*0.517*			*ug/l*	*0.500*		*103*	*45-120*			

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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: 9B16064 Extracted: 02/16/09											
Blank Analyzed: 02/16/2009 (9B16064-BLK1)											
Hexane Extractable Material (Oil & Grease)	ND	5.0	1.4	mg/l							
LCS Analyzed: 02/16/2009 (9B16064-BS1)											**MNR1**
Hexane Extractable Material (Oil & Grease)	19.4	5.0	1.4	mg/l	20.0		97	78-114			
LCS Dup Analyzed: 02/16/2009 (9B16064-BSD1)											
Hexane Extractable Material (Oil & Grease)	19.8	5.0	1.4	mg/l	20.0		99	78-114	2	11	

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METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B10123 Extracted: 02/10/09											
Blank Analyzed: 02/11/2009 (9B10123-BLK1)											
Arsenic	ND	10	7.0	ug/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							
Magnesium	ND	0.020	0.012	mg/l							
Nickel	ND	10	2.0	ug/l							
LCS Analyzed: 02/11/2009 (9B10123-BS1)											
Arsenic	502	10	7.0	ug/l	500		100	85-115			
Beryllium	497	2.0	0.90	ug/l	500		99	85-115			
Boron	0.491	0.050	0.020	mg/l	0.500		98	85-115			
Calcium	2.51	0.10	0.050	mg/l	2.50		100	85-115			
Chromium	489	5.0	2.0	ug/l	500		98	85-115			
Magnesium	2.58	0.020	0.012	mg/l	2.50		103	85-115			
Nickel	487	10	2.0	ug/l	500		97	85-115			
Matrix Spike Analyzed: 02/11/2009 (9B10123-MS1)						**Source: ISB1073-01**					
Arsenic	574	10	7.0	ug/l	500	39.3	107	70-130			
Beryllium	510	2.0	0.90	ug/l	500	ND	102	70-130			
Boron	2.39	0.050	0.020	mg/l	0.500	1.80	118	70-130			
Calcium	45.9	0.10	0.050	mg/l	2.50	42.8	125	70-130			
Chromium	503	5.0	2.0	ug/l	500	6.02	99	70-130			
Magnesium	16.7	0.020	0.012	mg/l	2.50	13.6	124	70-130			
Nickel	502	10	2.0	ug/l	500	10.4	98	70-130			
Matrix Spike Analyzed: 02/11/2009 (9B10123-MS2)						**Source: ISB0921-01**					
Arsenic	525	10	7.0	ug/l	500	ND	105	70-130			
Beryllium	520	2.0	0.90	ug/l	500	ND	104	70-130			
Boron	0.501	0.050	0.020	mg/l	0.500	ND	100	70-130			
Calcium	17.7	0.10	0.050	mg/l	2.50	14.8	114	70-130			
Chromium	503	5.0	2.0	ug/l	500	ND	101	70-130			
Magnesium	4.01	0.020	0.012	mg/l	2.50	1.29	109	70-130			
Nickel	503	10	2.0	ug/l	500	ND	101	70-130			

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METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B10123 Extracted: 02/10/09											
Matrix Spike Dup Analyzed: 02/11/2009 (9B10123-MSD1)						**Source: ISB1073-01**					
Arsenic	569	10	7.0	ug/l	500	39.3	106	70-130	1	20	
Beryllium	507	2.0	0.90	ug/l	500	ND	101	70-130	1	20	
Boron	2.37	0.050	0.020	mg/l	0.500	1.80	114	70-130	1	20	
Calcium	46.0	0.10	0.050	mg/l	2.50	42.8	130	70-130	0	20	
Chromium	500	5.0	2.0	ug/l	500	6.02	99	70-130	1	20	
Magnesium	16.8	0.020	0.012	mg/l	2.50	13.6	127	70-130	1	20	
Nickel	501	10	2.0	ug/l	500	10.4	98	70-130	0	20	
Batch: 9B10143 Extracted: 02/10/09											
Blank Analyzed: 02/11/2009 (9B10143-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							
Zinc	ND	20	2.5	ug/l							
LCS Analyzed: 02/11/2009 (9B10143-BS1)											
Antimony	80.5	2.0	0.20	ug/l	80.0		101	85-115			
Cadmium	80.4	1.0	0.11	ug/l	80.0		100	85-115			
Copper	77.8	2.0	0.75	ug/l	80.0		97	85-115			
Lead	79.8	1.0	0.30	ug/l	80.0		100	85-115			
Selenium	76.5	2.0	0.30	ug/l	80.0		96	85-115			
Silver	79.7	1.0	0.30	ug/l	80.0		100	85-115			
Thallium	73.8	1.0	0.20	ug/l	80.0		92	85-115			
Zinc	79.0	20	2.5	ug/l	80.0		99	85-115			

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METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B10143 Extracted: 02/10/09											
Matrix Spike Analyzed: 02/11/2009 (9B10143-MS1)						**Source: ISB0456-01**					
Antimony	79.6	2.0	0.20	ug/l	80.0	0.209	99	70-130			
Cadmium	76.4	1.0	0.11	ug/l	80.0	ND	96	70-130			
Copper	77.5	2.0	0.75	ug/l	80.0	ND	97	70-130			
Lead	77.5	1.0	0.30	ug/l	80.0	ND	97	70-130			
Selenium	74.2	2.0	0.30	ug/l	80.0	ND	93	70-130			
Silver	75.6	1.0	0.30	ug/l	80.0	ND	94	70-130			
Thallium	71.4	1.0	0.20	ug/l	80.0	ND	89	70-130			
Zinc	77.7	20	2.5	ug/l	80.0	ND	97	70-130			
Matrix Spike Analyzed: 02/11/2009 (9B10143-MS2)						**Source: ISB0825-01**					
Antimony	85.6	2.0	0.20	ug/l	80.0	1.26	105	70-130			
Cadmium	84.5	1.0	0.11	ug/l	80.0	1.02	104	70-130			
Copper	85.2	2.0	0.75	ug/l	80.0	3.82	102	70-130			
Lead	90.8	1.0	0.30	ug/l	80.0	0.857	112	70-130			
Selenium	79.2	2.0	0.30	ug/l	80.0	ND	99	70-130			
Silver	80.0	1.0	0.30	ug/l	80.0	ND	100	70-130			
Thallium	81.4	1.0	0.20	ug/l	80.0	0.353	101	70-130			
Zinc	120	20	2.5	ug/l	80.0	35.0	106	70-130			
Matrix Spike Dup Analyzed: 02/11/2009 (9B10143-MSD1)						**Source: ISB0456-01**					
Antimony	80.5	2.0	0.20	ug/l	80.0	0.209	100	70-130	1	20	
Cadmium	78.0	1.0	0.11	ug/l	80.0	ND	98	70-130	2	20	
Copper	80.1	2.0	0.75	ug/l	80.0	ND	100	70-130	3	20	
Lead	77.8	1.0	0.30	ug/l	80.0	ND	97	70-130	0	20	
Selenium	74.9	2.0	0.30	ug/l	80.0	ND	94	70-130	1	20	
Silver	77.4	1.0	0.30	ug/l	80.0	ND	97	70-130	2	20	
Thallium	71.3	1.0	0.20	ug/l	80.0	ND	89	70-130	0	20	
Zinc	78.0	20	2.5	ug/l	80.0	ND	98	70-130	1	20	

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Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: 9B09083 Extracted: 02/09/09											
Blank Analyzed: 02/11/2009 (9B09083-BLK1)											
Arsenic	ND	10	7.0	ug/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							
Magnesium	ND	0.020	0.012	mg/l							
Nickel	ND	10	2.0	ug/l							
LCS Analyzed: 02/11/2009 (9B09083-BS1)											
Arsenic	480	10	7.0	ug/l	500		96	85-115			
Beryllium	472	2.0	0.90	ug/l	500		94	85-115			
Boron	0.473	0.050	0.020	mg/l	0.500		95	85-115			
Calcium	2.35	0.10	0.050	mg/l	2.50		94	85-115			
Chromium	478	5.0	2.0	ug/l	500		96	85-115			
Magnesium	2.39	0.020	0.012	mg/l	2.50		96	85-115			
Nickel	473	10	2.0	ug/l	500		95	85-115			
Matrix Spike Analyzed: 02/11/2009 (9B09083-MS1)						**Source: ISB0173-01**					
Arsenic	481	10	7.0	ug/l	500	ND	96	70-130			
Beryllium	477	2.0	0.90	ug/l	500	ND	95	70-130			
Boron	0.499	0.050	0.020	mg/l	0.500	0.0277	94	70-130			
Calcium	65.4	0.10	0.050	mg/l	2.50	62.2	125	70-130			*MHA*
Chromium	476	5.0	2.0	ug/l	500	ND	95	70-130			
Magnesium	21.4	0.020	0.012	mg/l	2.50	18.8	105	70-130			*MHA*
Nickel	468	10	2.0	ug/l	500	ND	94	70-130			
Matrix Spike Analyzed: 02/11/2009 (9B09083-MS2)						**Source: ISB0825-01**					
Arsenic	504	10	7.0	ug/l	500	12.4	98	70-130			
Beryllium	476	2.0	0.90	ug/l	500	ND	95	70-130			
Boron	0.577	0.050	0.020	mg/l	0.500	0.114	93	70-130			
Calcium	10.7	0.10	0.050	mg/l	2.50	8.30	96	70-130			
Chromium	479	5.0	2.0	ug/l	500	2.40	95	70-130			
Magnesium	3.79	0.020	0.012	mg/l	2.50	1.37	97	70-130			
Nickel	475	10	2.0	ug/l	500	ND	95	70-130			

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B09083 Extracted: 02/09/09											
Matrix Spike Dup Analyzed: 02/11/2009 (9B09083-MSD1)						**Source: ISB0173-01**					
Arsenic	492	10	7.0	ug/l	500	ND	98	70-130	2	20	
Beryllium	483	2.0	0.90	ug/l	500	ND	97	70-130	1	20	
Boron	0.512	0.050	0.020	mg/l	0.500	0.0277	97	70-130	3	20	
Calcium	68.3	0.10	0.050	mg/l	2.50	62.2	241	70-130	4	20	*MHA*
Chromium	484	5.0	2.0	ug/l	500	ND	97	70-130	2	20	
Magnesium	22.5	0.020	0.012	mg/l	2.50	18.8	147	70-130	5	20	*MHA*
Nickel	479	10	2.0	ug/l	500	ND	96	70-130	2	20	
Batch: 9B12130 Extracted: 02/12/09											
Blank Analyzed: 02/13/2009 (9B12130-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							
Zinc	ND	20	2.5	ug/l							
LCS Analyzed: 02/13/2009 (9B12130-BS1)											
Antimony	75.7	2.0	0.20	ug/l	80.0		95	85-115			
Cadmium	76.5	1.0	0.11	ug/l	80.0		96	85-115			
Copper	79.0	2.0	0.75	ug/l	80.0		99	85-115			
Lead	77.5	1.0	0.30	ug/l	80.0		97	85-115			
Selenium	71.3	2.0	0.30	ug/l	80.0		89	85-115			
Silver	75.5	1.0	0.30	ug/l	80.0		94	85-115			
Thallium	79.2	1.0	0.20	ug/l	80.0		99	85-115			
Zinc	81.5	20	2.5	ug/l	80.0		102	85-115			

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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: 9B12130 Extracted: 02/12/09											
Matrix Spike Analyzed: 02/13/2009 (9B12130-MS1)						**Source: ISB0566-01**					
Antimony	78.9	2.0	0.20	ug/l	80.0	0.373	98	70-130			
Cadmium	75.5	1.0	0.11	ug/l	80.0	ND	94	70-130			
Copper	79.0	2.0	0.75	ug/l	80.0	1.76	97	70-130			
Lead	75.1	1.0	0.30	ug/l	80.0	ND	94	70-130			
Selenium	70.0	2.0	0.30	ug/l	80.0	ND	88	70-130			
Silver	73.8	1.0	0.30	ug/l	80.0	ND	92	70-130			
Thallium	77.0	1.0	0.20	ug/l	80.0	ND	96	70-130			
Zinc	77.7	20	2.5	ug/l	80.0	ND	97	70-130			
Matrix Spike Dup Analyzed: 02/13/2009 (9B12130-MSD1)						**Source: ISB0566-01**					
Antimony	78.5	2.0	0.20	ug/l	80.0	0.373	98	70-130	0	20	
Cadmium	74.9	1.0	0.11	ug/l	80.0	ND	94	70-130	1	20	
Copper	79.6	2.0	0.75	ug/l	80.0	1.76	97	70-130	1	20	
Lead	74.4	1.0	0.30	ug/l	80.0	ND	93	70-130	1	20	
Selenium	70.4	2.0	0.30	ug/l	80.0	ND	88	70-130	1	20	
Silver	73.8	1.0	0.30	ug/l	80.0	ND	92	70-130	0	20	
Thallium	75.8	1.0	0.20	ug/l	80.0	ND	95	70-130	2	20	
Zinc	77.7	20	2.5	ug/l	80.0	ND	97	70-130	0	20	

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B07033 Extracted: 02/07/09											
Blank Analyzed: 02/07/2009 (9B07033-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: 02/07/2009 (9B07033-BS1)											
Chloride	4.56	0.50	0.25	mg/l	5.00		91	90-110			
Nitrate-N	1.12	0.11	0.060	mg/l	1.13		99	90-110			
Nitrite-N	1.50	0.15	0.090	mg/l	1.52		99	90-110			
Sulfate	9.87	0.50	0.20	mg/l	10.0		99	90-110			
Matrix Spike Analyzed: 02/07/2009 (9B07033-MS1)						**Source: ISB0532-03**					
Chloride	5.38	0.50	0.25	mg/l	5.00	ND	108	80-120			
Nitrate-N	1.33	0.11	0.060	mg/l	1.13	ND	118	80-120			
Nitrite-N	1.77	0.15	0.090	mg/l	1.52	ND	116	80-120			
Sulfate	11.7	0.50	0.20	mg/l	10.0	ND	117	80-120			
Matrix Spike Dup Analyzed: 02/07/2009 (9B07033-MSD1)						**Source: ISB0532-03**					
Chloride	5.42	0.50	0.25	mg/l	5.00	ND	108	80-120	1	20	
Nitrate-N	1.34	0.11	0.060	mg/l	1.13	ND	119	80-120	1	20	
Nitrite-N	1.80	0.15	0.090	mg/l	1.52	ND	118	80-120	2	20	
Sulfate	11.7	0.50	0.20	mg/l	10.0	ND	117	80-120	1	20	
Batch: 9B08007 Extracted: 02/08/09											
Blank Analyzed: 02/13/2009 (9B08007-BLK1)											
Biochemical Oxygen Demand	ND	2.0	0.50	mg/l							

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B08007 Extracted: 02/08/09											
LCS Analyzed: 02/13/2009 (9B08007-BS1)											
Biochemical Oxygen Demand	178	100	25	mg/l	198		90	85-115			
LCS Dup Analyzed: 02/13/2009 (9B08007-BSD1)											
Biochemical Oxygen Demand	180	100	25	mg/l	198		91	85-115	2	20	
Batch: 9B08010 Extracted: 02/08/09											
Blank Analyzed: 02/08/2009 (9B08010-BLK1)											
Turbidity	ND	1.0	0.040	NTU							
Duplicate Analyzed: 02/08/2009 (9B08010-DUP1)						**Source: ISB0825-01**					
Turbidity	13.2	1.0	0.040	NTU		12.6			5	20	
Batch: 9B10100 Extracted: 02/10/09											
Blank Analyzed: 02/10/2009 (9B10100-BLK1)											
Ammonia-N (Distilled)	ND	0.50	0.50	mg/l							
LCS Analyzed: 02/10/2009 (9B10100-BS1)											
Ammonia-N (Distilled)	9.80	0.50	0.50	mg/l	10.0		98	80-115			
Matrix Spike Analyzed: 02/10/2009 (9B10100-MS1)						**Source: ISB0825-01**					
Ammonia-N (Distilled)	10.1	0.50	0.50	mg/l	10.0	0.840	92	70-120			
Matrix Spike Dup Analyzed: 02/10/2009 (9B10100-MSD1)						**Source: ISB0825-01**					
Ammonia-N (Distilled)	10.1	0.50	0.50	mg/l	10.0	0.840	92	70-120	0	15	

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B11045 Extracted: 02/11/09											
Blank Analyzed: 02/11/2009 (9B11045-BLK1)											
Total Dissolved Solids	ND	10	10	mg/l							
LCS Analyzed: 02/11/2009 (9B11045-BS1)											
Total Dissolved Solids	996	10	10	mg/l	1000		100	90-110			
Duplicate Analyzed: 02/11/2009 (9B11045-DUP1)						**Source: ISB0944-01**					
Total Dissolved Solids	321	10	10	mg/l		322			0	10	
Batch: 9B12116 Extracted: 02/12/09											
Blank Analyzed: 02/12/2009 (9B12116-BLK1)											
Total Cyanide	ND	0.0050	0.0022	mg/l							
LCS Analyzed: 02/12/2009 (9B12116-BS1)											
Total Cyanide	0.210	0.0050	0.0022	mg/l	0.200		105	90-110			
Matrix Spike Analyzed: 02/12/2009 (9B12116-MS1)						**Source: ISB1246-01**					
Total Cyanide	0.205	0.0050	0.0022	mg/l	0.200	ND	102	70-115			
Matrix Spike Dup Analyzed: 02/12/2009 (9B12116-MSD1)						**Source: ISB1246-01**					
Total Cyanide	0.204	0.0050	0.0022	mg/l	0.200	ND	102	70-115	0	15	
Batch: 9B13056 Extracted: 02/13/09											
Blank Analyzed: 02/13/2009 (9B13056-BLK1)											
Perchlorate	ND	4.0	0.90	ug/l							

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B13056 Extracted: 02/13/09											
LCS Analyzed: 02/13/2009 (9B13056-BS1)											
Perchlorate	24.2	4.0	0.90	ug/l	25.0		97	85-115			
Matrix Spike Analyzed: 02/13/2009 (9B13056-MS1)						**Source: ISB0547-01**					
Perchlorate	25.0	4.0	0.90	ug/l	25.0	ND	100	80-120			
Matrix Spike Dup Analyzed: 02/13/2009 (9B13056-MSD1)						**Source: ISB0547-01**					
Perchlorate	26.3	4.0	0.90	ug/l	25.0	ND	105	80-120	5	20	
Batch: 9B13134 Extracted: 02/13/09											
Blank Analyzed: 02/13/2009 (9B13134-BLK1)											
Total Suspended Solids	ND	10	1.0	mg/l							
LCS Analyzed: 02/13/2009 (9B13134-BS1)											
Total Suspended Solids	982	10	1.0	mg/l	1000		98	85-115			
Duplicate Analyzed: 02/13/2009 (9B13134-DUP1)						**Source: ISB1596-01**					
Total Suspended Solids	8.00	10	1.0	mg/l		9.00			12	10	*R-4, Ja*
Batch: 9B16034 Extracted: 02/16/09											
Blank Analyzed: 02/16/2009 (9B16034-BLK1)											
Fluoride	0.0343	0.10	0.020	mg/l							*Ja*
LCS Analyzed: 02/16/2009 (9B16034-BS1)											
Fluoride	1.00	0.10	0.020	mg/l	1.00		100	90-110			

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INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9B16034 Extracted: 02/16/09											
Matrix Spike Analyzed: 02/16/2009 (9B16034-MS1)						**Source: ISB0462-01**					
Fluoride	1.36	0.10	0.020	mg/l	1.00	0.344	102	80-120			
Matrix Spike Dup Analyzed: 02/16/2009 (9B16034-MSD1)						**Source: ISB0462-01**					
Fluoride	1.38	0.10	0.020	mg/l	1.00	0.344	103	80-120	1	20	

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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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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: 9043305 Extracted: 02/12/09											
Matrix Spike Dup Analyzed: 02/12/2009 (D9B100241001D)						**Source: ISB0825-01**					
Mercury	4.61	0.2	0.027	ug/L	5	0.064	91	90-110	3	10	
Matrix Spike Analyzed: 02/12/2009 (D9B100241001S)						**Source: ISB0825-01**					
Mercury	4.75	0.2	0.027	ug/L	5	0.064	94	90-110	3	10	
Blank Analyzed: 02/12/2009 (D9B120000305B)						**Source:**					
Mercury	0.036	0.2	0.027	ug/L				-			*J*
LCS Analyzed: 02/12/2009 (D9B120000305C)						**Source:**					
Mercury	4.77	0.2	0.027	ug/L	5		95	90-110			

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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 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

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: 9043330 Extracted: 02/12/09											
Matrix Spike Dup Analyzed: 02/12/2009 (D9B100241001D)						**Source: ISB0825-01**					
Mercury	4.78	0.2	0.027	ug/L	5	0.036	95	90-110	1	10	
Matrix Spike Analyzed: 02/12/2009 (D9B100241001S)						**Source: ISB0825-01**					
Mercury	4.81	0.2	0.027	ug/L	5	0.036	96	90-110	1	10	
Blank Analyzed: 02/12/2009 (D9B120000330B)						**Source:**					
Mercury	0.039	0.2	0.027	ug/L				-			*J*
LCS Analyzed: 02/12/2009 (D9B120000330C)						**Source:**					
Mercury	4.9	0.2	0.027	ug/L	5		98	90-110			

TestAmerica Irvine

Joseph Doak
Project Manager

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DATA QUALIFIERS AND DEFINITIONS

A-01	Result considered lab contaminated.
B	The analyte was found in the associated blank, as well as in the sample.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
H8	The sample was extracted past the holding time.
HTV	Holding Time Violation
J	Estimated Result: Result is less than RL and greater than or equal to the MDL.
Ja	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.
M13	The sample spiked had a pH of less than 2. 2-Chloroethylvinylether degrades under acidic conditions.
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.
pH	pH = 5
R-10	The RPD between the primary and confirmatory analysis exceeded 40%. Per method 8000B, the lower value was reported due to apparent chromatographic problems.
R-4	Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

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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Sampled: 02/07/09
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Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
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 300.0	Water	X	X
EPA 314.0	Water	X	X
EPA 608	Water	X	X
EPA 624	Water	X	X
EPA 625	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

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

Subcontracted Laboratories

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

Analysis Performed: Bioassay-Acute 96hr
Samples: ISB0825-01

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

Project ID: Annual Outfall 012
Report Number: ISB0825

Sampled: 02/07/09
Received: 02/07/09

TestAmerica Denver

4955 Yarrow Street - Arvada, CO 80002

Method Performed: CFR136A 608
Samples: ISB0825-01

Method Performed: MCAWW 245.1
Samples: ISB0825-01

Method Performed: MCAWW 245.1-DISS
Samples: ISB0825-01

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: ISB0825-01

TestAmerica Irvine

Joseph Doak
Project Manager

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Test America Version 12/20/07 — 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

Sampler: J Manisca / K Bragor

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

Project:
Boeing-SSFL NPDES
Annual Outfall 012
Alfa Test Stand

ANALYSIS REQUIRED

Field readings:
Temp = 50
pH = 7.4
Time of readings = 08:50

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservative	Bottle #	Oil & Grease (1664-HEM)	8015 - gas	8015 - diesel/jet fuel	TRPH =Total Rec. Petroleum Hydrocarbons (8015)	1,4-Dioxane (8260B)	BOD_5 (20 degrees C)	625 (Naphthalene +NDMA analysis + SVOCs) + PP	Ammonia-N (350.2)	Cl^-, SO_4, F, NO_3+NO_2-N, Perchlorate	Nitrate-N, Nitrite-N	Comments
Outfall 012	W	1L Amber	1	2-7-09 08:50	HCl	1A	X										
Outfall 012 Dup	W	1L Amber	1		HCl	1B	X										
Outfall 012	W	VOAs	1		HCl	2A		X									
Outfall 012 Dup	W	VOAs	2		HCl	2B, 2C		X									
Outfall 012	W	1L Amber	1		None	3A			X								
Outfall 012 Dup	W	1L Amber	1		None	3B			X								
~~Outfall 012~~	~~W~~	~~1L Amber~~	~~1~~		~~HCl~~	~~4A~~											
~~Outfall 012 Dup~~	~~W~~	~~1L Amber~~	~~1~~		~~HCl~~	~~4B~~											
Outfall 012	W	VOAs	1		HCl	5A					X						
Outfall 012 Dup	W	VOAs	2		HCl	5B, 5C					X						
Outfall 012	W	1L Poly	1		None	6						X					
Outfall 012	W	1L Amber	1		None	7A							X				
Outfall 012 Dup	W	1L Amber	1		None	7B							X				
Outfall 012	W	500 ml Poly	1		H_2SO_4	8								X			
Outfall 012	W	500 ml Poly	2		None	9A, 9B									X		
Outfall 012	W	500 ml Poly	1	2-7-09 08:50	None	10										X	

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	2-7-09 1035	[signature]	2-7-09 1035
[signature]	2-7-09 1555		
		[signature]	2/7/09 1555

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

Sample Integrity: (check)
Intact ✓ On Ice: 4.3/3.3°C

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

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

ISB0825 Page 2 of 2

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

Test America Contact: Joseph Doak

Project Manager: Bronwyn Kelly

Sampler: J Mariscal, K Bafach

Project:
Boeing-SSFL NPDES
Annual Outfall 012
Alfa Test Stand

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 #	Turbidity, TDS, TSS	Settleable Solids	624 (EDB, 1,2,3-TCP, MTBE, DIPE, TBA) + PP	VOCs 624, xylenes +A+A+2CVE	Total Recoverable Metals, Cd, Se, Zn, B, Cu, Pb, Hg + PP Hardness as $CaCO_3$	Total Dissolved Metals, Cd, Se, Zn, B, Cu, Pb, Hg + PP Hardness as $CaCO_3$	Cyanide	Pesticides/PCBs + PP	TCDD (and all congeners)	Acute Toxicity		Comments
Outfall 012	W	500 ml Poly	2	2-7-09 08:56	None	11A, 11B	X											
Outfall 012	W	1L Poly	1		None	12		X										
Outfall 012	W	VOAs	1		HCl	13A			X									
Outfall 012 Dup	W	VOAs	2		HCl	13B, 13C			X									
Outfall 012	W	VOAs	3		None	14A, 14B, 14C				X								
Outfall 012	W	1L Poly	2		HNO_3	15A, 15B					X							
Outfall 012	W	1L Poly	1		None	16						X						Filter w/in 24hrs of receipt at lab
Outfall 012	W	500 ml Poly	1		NaOH	17							X					
Outfall 012	W	1L Amber	2		None	18A, 18B								X				
Outfall 012	W	1L Amber	2		None	19A, 19B									X			
Outfall 012	W	1 Gal Cube	1	2-7-09 08:56	None	20										X		
Trip Blanks	W	VOAs	3		HCl	21A, 21B, 21C			X									
Trip Blanks	W	VOAs	3		None	22A, 22B, 22C				X								

Relinquished By	Date/Time:	Received By	Date/Time:
[signature] 2-7-09	10:35	[signature]	2-7-09 10:35
[signature]	2-7-09 1555		
		[signature]	2/7/09 1555

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

Sample Integrity: (check)
Intact ✓ On Ice: 4.3/3.3C

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

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 12, 2009

Client: Test America – Irvine
17461 Derian Ave., Suite 100
Irvine, CA 92614
Attn: Joseph Doak

Laboratory No.: A-09020708-001
Sample ID.: ISB0825-01 (Outfall 012)

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

Date Sampled:	02/07/09
Date Received:	02/07/09
Temp. Received:	1.0°C
Chlorine (TRC):	0.0 mg/l
Date Tested:	02/07/09 to 02/11/09

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

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

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

Result Summary:

Test ID.	Results
Fathead Minnow	100% Survival (TUa = 0.0)

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

FATHEAD MINNOW PERCENT SURVIVAL TEST
EPA Method 2000.0

Aquatic Testing Laboratories

Lab No.: A-09020708-001
Client/ID: TestAmerica - Outfall 012
1SB0825-01

Start Date: 02/07/2009

TEST SUMMARY

Species: *Pimephales promelas*.
Age: 13 (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	20.7	8.8	7.7	0	0	1500
	100%	20.2	6.2	6.7	0	0	
24 Hr	Control	20.1	8.3	7.6	0	0	1400
	100%	19.4	7.8	7.1	0	0	
48 Hr	Control	19.4	7.2	7.3	0	0	1500
	100%	19.4	5.8	6.8	0	0	
Renewal	Control	19.8	8.1	7.5	0	0	1500
	100%	19.5	8.1	7.0	0	0	
72 Hr	Control	19.1	8.1	7.5	0	0	1300
	100%	19.0	8.5	7.1	0	0	
96 Hr	Control	19.1	7.3	7.2	0	0	1500
	100%	19.0	7.9	7.1	0	0	

Comments:
Sample as received: Chlorine: 0.0 mg/l; pH: 6.7; Conductivity: 345 umho; Temp: 6.0°C;
DO: 6.2 mg/l; Alkalinity: 30 mg/l; Hardness: 32 mg/l; NH_3-N: 0.4 mg/l.
Sample aerated moderately (approx. 500 ml/min) to raise or lower DO? Yes / (No)
Control: Alkalinity: 60 mg/l; Hardness: 93 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 %

SUBCONTRACT ORDER

TestAmerica Irvine

ISB0825

SENDING LABORATORY:

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

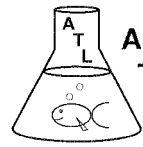
RECEIVING LABORATORY:

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: 6 °C Ice: (Y) / N

Analysis	Units	Due	Expires	Comments
Sample ID: ISB0825-01	**Water**		Sampled: **02/07/09 08:50**	
Bioassay-Acute 96hr	% Survival	02/18/09	02/08/09 20:50	FH minnow, EPA/821-R02-012, Sub to AqTox Labs
Level 4 Data Package	N/A	02/18/09	03/07/09 08:50	Include Std logs
Containers Supplied:				
1 gal Poly (AL)				

Released By — Date/Time: 2/7/09 — Received By — Date/Time: 2-7-09 1225

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



Aquatic
Testing
Laboratories

REFERENCE TOXICANT DATA

NPDES - 2959

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:					

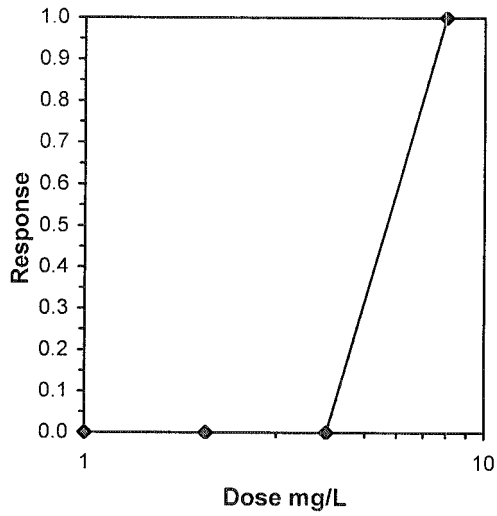
Conc-mg/L	1	2
D-Control	1.0000	1.0000
1	1.0000	1.0000
2	1.0000	1.0000
4	1.0000	1.0000
8	0.0000	0.0000

			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				

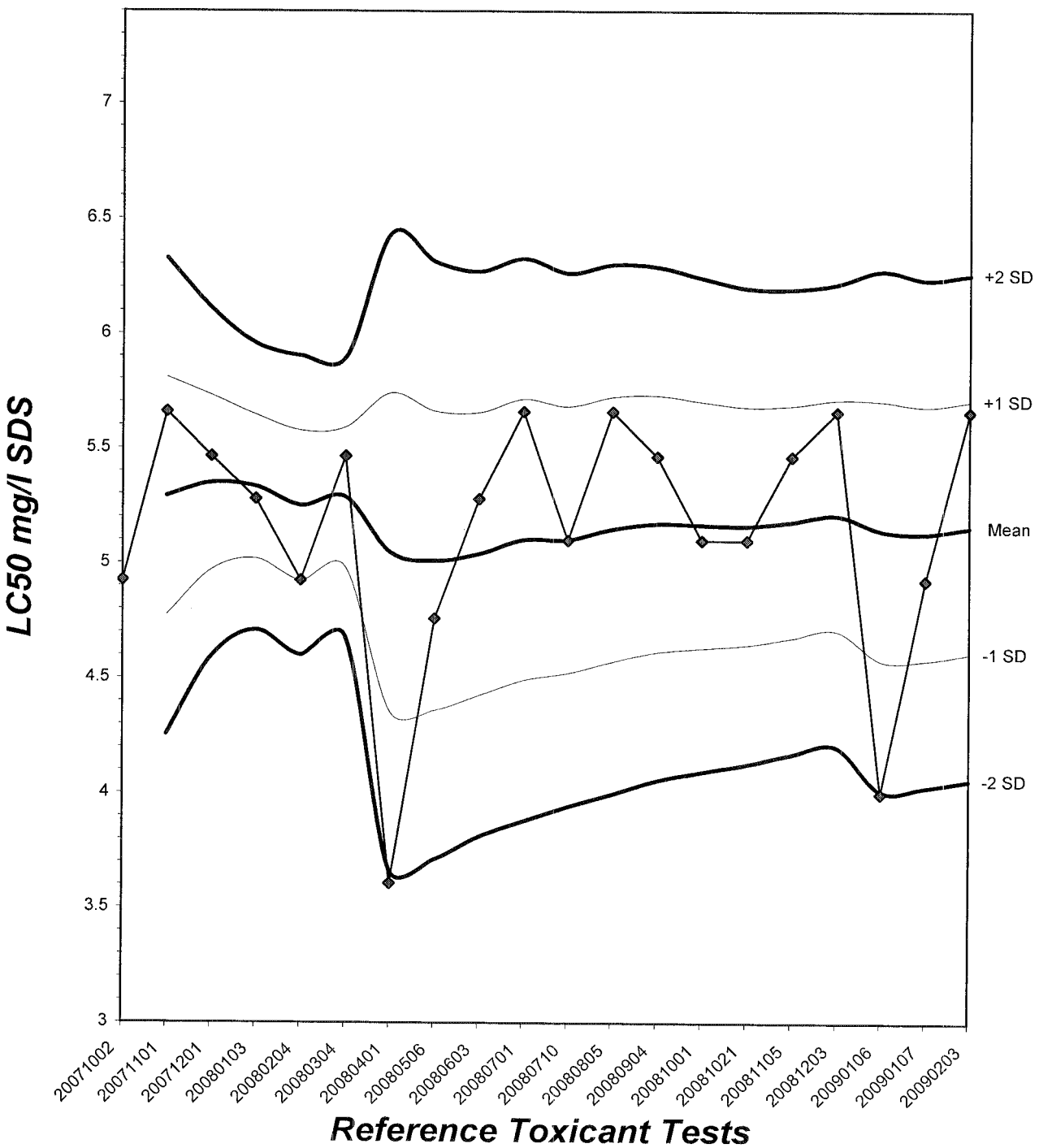
Graphical Method

Trim Level	EC50
0.0%	5.6569
	5.6569



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

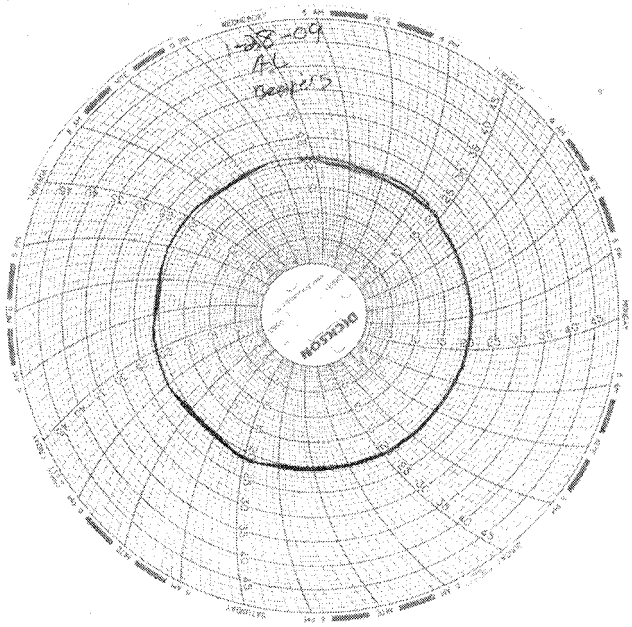
Aquatic Testing Laboratories

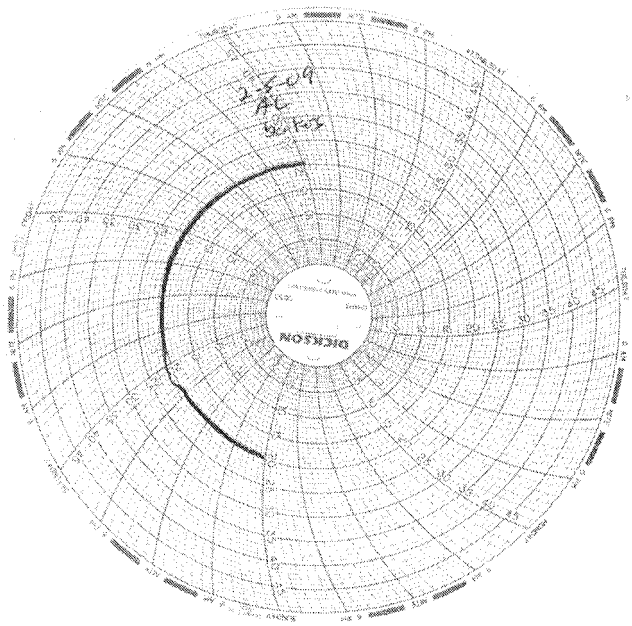
Test Temperature Chart

Test No: RT-090203

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

Acceptable Range: 20+/- 1°C





TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

MWH-Pasadena / Boeing

Lot D9C050244

Project ISB0825

Joseph Doak
17461 Derian Avenue
Suite 100
Irvine, CA 92614

TestAmerica Laboratories, Inc.

DiLea Griego
Project Manager

March 11, 2009

Case Narrative

Enclosed is the report for one sample received at TestAmerica Laboratories, Inc. – Denver laboratory on March 5, 2009. The results included in this report relate only to the sample 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 sample presented in this report was 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 D9C050244

Sample Receiving

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

Sample ISB0825-01, 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 ISB0825-01, 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 ISB0825-01 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 other anomalies were observed.

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.

EXECUTIVE SUMMARY - Detection Highlights

D9C050244

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D9C050244

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

D9C050244

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

D9C050244

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K74JC	001	ISB0825-01	02/07/09	08:50

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

D9C050244

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: D9C050244

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:**	ISB0825-01
Lot/SDG Number:	D9C050244	**Lab Sample ID:**	D9C050244-001
Matrix:	WATER	**Lab WorkOrder:**	K74JC1AA
% Moisture:	N/A	**Date/Time Collected:**	02/07/09 08:50
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 16:25
Sample Aliquot:	1057 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	75	32	144	
877-09-8	Tetrachloro-m-xylene	86	52	117	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9C050244	**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:	D9C050244	**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:	D9C050244	**QC Batch ID:**	9064381

Client ID	Work Order	SRG1	SRG2	SRG3	SRG4	SRG5	SRG6	SRG7	SRG8	TOT OUT
ISB0825-01	K74JC1AA	75	86							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:	D9C050244	**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:	D9C050244	**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:**	023F2301.
Lot/SDG Number:	D9C050244	**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
ISB0825-01	K74JC1AA	023F2301.	03/10/09	16:25
CHECK SAMPLE	K74R21AC C	018F1801.	03/10/09	15:02
DUPLICATE CHECK	K74R21AD L	019F1901.	03/10/09	15:19

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	

TestAmerica

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Quant Method : ESTD
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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

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
12 Chlorpyrifos	350928	683789	1548966	2071965	2772389	4714063	QUAD	0.27386	0.00007	8.164e-012	1.00000
13 Isodrin	683246	1381603	3283105	4459945	6073476	10678481	QUAD	1.69109	0.00003	1.249e-012	1.00000
14 Dicofol	160063	330772	746171	976783	1260428	1927426	QUAD	25.57394	0.00015	1.812e-010	0.99970
15 2,4'-DDE	99724	208446	503473	686252	947908	1746614	QUAD	0.10517	0.00005	5.968e-012	0.99998
16 Heptachlor epoxide	123604	293941	699497	1395171	2035527	2672820	WLINR	-0.58077	27207		0.99958
17 Toxaphene(1)	+++++	+++++	+++++	37454	+++++	+++++	LINR	0.000e+000	187		1.00000
(2)	+++++	+++++	+++++	83236	+++++	+++++	LINR	0.000e+000	416		1.00000
(3)	+++++	+++++	+++++	74322	+++++	+++++	LINR	0.000e+000	372		1.00000
(4)	+++++	+++++	+++++	113409	+++++	+++++	LINR	0.000e+000	567		1.00000
(5)	+++++	+++++	+++++	75900	+++++	+++++	LINR	0.000e+000	380		1.00000
18 gamma-Chlordane	30402	29092	28013	28316	27804	27683	AVRG		28552		3.63098
19 alpha-Chlordane	28848	27699	26588	27234	26574	26290	AVRG		27205		3.51053
20 4,4'-DDE	27474	26840	26695	27107	26744	26723	AVRG		26930		1.13654
21 Endosulfan I	117230	280359	661338	1317755	1916121	2498492	WLINR	-0.62477	25635		0.99926
22 2,4'-DDD	79151	163488	637166	843010	1098901	1801327	QUAD	4.30310	0.00002	1.708e-011	0.99926
23 Dieldrin	30507	29301	28409	28695	28027	27690	AVRG		28771		3.52917
24 2,4'-DDT	97562	200953	492354	689423	953494	1721521	QUAD	0.70716	0.00004	7.480e-012	0.99996
25 Endrin	24260	23722	23442	24116	24161	24029	AVRG		23955		1.29923
26 Kepone	160651	324739	1183455	1896076	2844971	5317429	QUAD	43.06482	0.00015	5.356e-012	0.99826
27 4,4'-DDD	137155	279223	648213	1286302	1856127	2521035	WLINR	-1.55985	24543		0.99971
28 Chlorobenzilate	149139	273074	565347	755461	1000452	1674856	QUAD	-9.75273	0.00038	1.359e-010	0.99995
29 Endosulfan II	102488	248724	596285	1203007	1752072	2295364	WLINR	-0.40663	23438		0.99956

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 01-MAR-2009 16:37
End Cal Date : 01-MAR-2009 21:01
Quant Method : ESTD
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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

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
30 4,4'-DDT	82551	205047	526359	1105132	1657077	2227471	WLINR	0.29983	21930		0.99916
31 Endrin aldehyde	96914	223803	525128	1029199	1489190	1947693	QUAD	-0.56811	0.00005	2.404e-012	0.99997
32 Methoxychlor	11482	11268	11154	11115	11012	11192	AVRG		11204		1.43337
33 Mirex	97660	200201	455139	897482	1287876	1719278	WLINR	-1.74445	17017		0.99981
34 Endosulfan sulfate	112639	253268	591334	1139393	1681628	2253569	WLINR	-1.05912	22435		0.99970
35 Endrin ketone	118411	270453	644910	1279736	1862603	2440068	WLINR	-0.80117	24783		0.99967
37 DBPP	96294	296009	1936888	3720684	7180029	23674613	QUAD	389	0.00036	-7.134e-01	0.99386
$ 2 Tetrachloro-m-xylene	121420	291360	695888	1395983	2055736	2714066	WLINR	-0.45887	27395		0.99980
$ 36 Decachlorobiphenyl	90065	205722	483578	959339	1395732	1829166	WLINR	-0.88308	18573		0.99960

TestAmerica

INITIAL CALIBRATION DATA

Start Cal Date : 01-MAR-2009 16:37
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Quant Method : ESTD
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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

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Report Date: 02-Mar-2009 07:45

Calibration History

Method : \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\P2_8081_1.m
Start Cal Date: 01-MAR-2009 16:37
End Cal Date : 01-MAR-2009 21:01
Last Cal Level: 4
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 4.00000		
01-MAR-2009 19:55	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\016F1601.D
01-MAR-2009 17:59	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\009F0901.D
Cal Level: 2 , Cal Amount: 10.00000		
01-MAR-2009 19:39	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\015F1501.D
01-MAR-2009 17:43	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\008F0801.D
Cal Level: 3 , Cal Amount: 25.00000		
01-MAR-2009 19:22	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\014F1401.D
01-MAR-2009 17:26	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\007F0701.D
Cal Level: 4 , Cal Amount: 50.00000		
01-MAR-2009 21:01	4-CHLORDANE	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\020F2001.D
01-MAR-2009 20:28	3-TOXAPHENE	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\018F1801.D
01-MAR-2009 19:06	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\013F1301.D
01-MAR-2009 17:10	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\006F0601.D
Cal Level: 5 , Cal Amount: 75.00000		
01-MAR-2009 18:49	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\012F1201.D
01-MAR-2009 16:53	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\005F0501.D
Cal Level: 6 , Cal Amount: 100.00000		

01-MAR-2009 18:33	1-INDAB	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\011F1101.D		
01-MAR-2009 16:37	2-AP9	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\004F0401.D		

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 3

01-MAR-2009 20:45	3-TOXAPHENE	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\019F1901.D		
01-MAR-2009 20:12	1-INDAB	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\017F1701.D		
01-MAR-2009 19:22	1-INDAB	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\014F1401.D		
01-MAR-2009 18:16	2-AP9	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\010F1001.D		
01-MAR-2009 17:26	2-AP9	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\007F0701.D		
01-MAR-2009 15:47	EVALB	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\002F0201.D		
01-MAR-2009 21:01	4-CHLORDANE	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\020F2001.D		
01-MAR-2009 20:28	3-TOXAPHENE	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\018F1801.D		
01-MAR-2009 19:06	1-INDAB	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\013F1301.D		
01-MAR-2009 17:10	2-AP9	
\\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b\006F0601.D		

NPDES - 2987

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\0301092.b\P2_8081_2.m
Last Edit : 02-Mar-2009 08:24 GC_P2.i

Calibration File Names:
Level 1: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\016F1601.D
Level 2: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\015F1501.D
Level 3: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\014F1401.D
Level 4: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\020F2001.D
Level 5: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\012F1201.D
Level 6: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.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 2,4,5-Trichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000	<-
3 Diallate	712210	1334778	3112429	4310489	6072249	12317513	WLINR	-92.86073	1206		0.99982	
4 Hexachlorobenzene	213764	492577	1138641	2289049	3394245	4523119	WLINR	-0.78333	44885		0.99980	
5 alpha-BHC	60544	59240	57972	59968	60170	60663	AVRG		59760		1.69146	
6 gamma-BHC (Lindane)	53707	51580	50085	51578	51242	51763	AVRG		51659		2.26906	
7 beta-BHC	110502	251624	573890	1140848	1675716	2224461	WLINR	-1.01027	22240		0.99963	
8 Technical Chlordane (1)	+++++	+++++	+++++	100414	+++++	+++++	LINR	0.000e+000	2008		1.00000	
(2)	+++++	+++++	+++++	91398	+++++	+++++	LINR	0.000e+000	1828		1.00000	
(3)	+++++	+++++	+++++	302374	+++++	+++++	LINR	0.000e+000	6047		1.00000	
(4)	+++++	+++++	+++++	250222	+++++	+++++	LINR	0.000e+000	5004		1.00000	
(5)	+++++	+++++	+++++	81023	+++++	+++++	LINR	0.000e+000	1620		1.00000	
9 delta-BHC	49732	48447	48041	50010	50454	51352	AVRG		49672		2.50009	
10 Heptachlor	211681	495049	1173814	2360989	3459895	4556908	WLINR	-0.62520	45979		0.99980	
11 Aldrin	49516	47857	45931	46580	45641	45306	AVRG		46805		3.42837	

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\0301092.b\P2_8081_2.m
Last Edit : 02-Mar-2009 08:24 GC_P2.i

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
12 Chlorpyrifos	559417	1065732	2359366	3145763	4231680	7234064	QUAD	-2.03175	0.00005	3.233e-012	0.99999
13 Dicofol	71326	215694	629783	917497	1330504	2254256	QUAD	38.40601	0.00027	6.925e-011	0.99886
14 Isodrin	1238821	2400688	5423062	7192163	9710358	16956012	QUAD	-2.63196	0.00002	5.125e-013	0.99998
15 Toxaphene(1)	+++++	+++++	+++++	89894	+++++	+++++	LINR	0.000e+000	449		1.00000
(2)	+++++	+++++	+++++	78025	+++++	+++++	LINR	0.000e+000	390		1.00000
(3)	+++++	+++++	+++++	96086	+++++	+++++	LINR	0.000e+000	480		1.00000
(4)	+++++	+++++	+++++	110827	+++++	+++++	LINR	0.000e+000	554		1.00000
(5)	+++++	+++++	+++++	126542	+++++	+++++	LINR	0.000e+000	633		1.00000
16 Heptachlor epoxide	191128	452003	1059220	2125117	3095403	4081431	WLINR	-0.66218	41356		0.99956
17 gamma-Chlordane	200020	464122	1089835	2197088	3229351	4293745	WLINR	-0.68146	42884		0.99985
18 2,4'-DDE	175306	343282	785376	1023189	1443698	2646810	QUAD	-1.01796	0.00003	2.278e-012	0.99981
19 alpha-Chlordane	189561	441501	1038165	2095612	3085552	4107476	WLINR	-0.64254	40968		0.99986
20 Endosulfan I	184494	427123	989194	1959830	2862393	3761446	WLINR	-0.88732	38132		0.99945
21 4,4'-DDE	195722	459978	1080819	2180777	3169013	4296001	WLINR	-0.61627	42608		0.99975
22 Dieldrin	199363	468494	1105277	2219801	3241846	4277166	WLINR	-0.64339	43215		0.99971
23 2,4'-DDD	153389	297754	665450	888613	1226356	2198937	QUAD	-0.85966	0.00004	4.447e-012	0.99996
24 Endrin	33182	33769	33367	35630	35753	35363	AVRG		34511		3.46392
25 Chlorobenzilate	154364	300710	660190	875594	1204126	2128935	QUAD	-9.30429	0.00036	5.406e-011	0.99994
26 2,4'-DDT	162025	326831	760113	1024778	1418747	2513141	QUAD	0.01063	0.00003	3.974e-012	0.99997
27 Kepone	213845	483266	1859824	2970372	4571877	8715841	QUAD	46.40949	0.00010	1.465e-012	0.99827
28 4,4'-DDD	181299	402538	924690	1844450	2793496	3818646	QUAD	-1.46567	0.00003	-6.972e-01	0.99998
29 Endosulfan II	186979	427156	970685	1927505	2765029	3616141	LINR	-2.06456	35796		0.99931

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\0301092.b\P2_8081_2.m
Last Edit : 02-Mar-2009 08:24 GC_P2.i

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	Coefficients m1	Coefficients m2	%RSD or R^2	
30 4,4'-DDT	110541	278483	728730	1545071	2372591	3222783	QUAD	0.70547	0.00003	-7.466e-01	0.99993	
31 Endrin aldehyde	156234	350233	805518	1567524	2266712	2966322	WLINR	-1.22241	30267		0.99909	
32 Endosulfan sulfate	163198	368383	864350	1703090	2509219	3338095	WLINR	-0.92237	33302		0.99990	
33 Methoxychlor	58763	146502	362126	730312	1134793	1407604	WLINR	-0.03067	14581		0.99923	
34 Mirex	126902	286766	652009	1278590	1872856	2466671	WLINR	-1.15710	24879		0.99939	
35 Endrin ketone	169539	394610	918686	1832081	2673237	3525738	WLINR	-0.79820	35643		0.99958	
37 DBPP	35245	112680	1086899	2407860	5522718	22788630	QUAD	500	0.00046	-1.138e-01	0.98528	<-
$ 2 Tetrachloro-m-xylene	193068	454558	1072973	2159055	3185308	4218632	WLINR	-0.58614	42293		0.99985	
$ 36 Decachlorobiphenyl	128324	297912	684299	1350491	1982111	2607533	WLINR	-0.92004	26383		0.99938	

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\0301092.b\P2_8081_2.m
Last Edit : 02-Mar-2009 08:24 GC_P2.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Wt Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Report Date: 02-Mar-2009 08:24

Calibration History

Method : \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\P2_8081_2.m
Start Cal Date: 01-MAR-2009 16:37
End Cal Date : 01-MAR-2009 21:01
Last Cal Level: 4
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 4.00000		
01-MAR-2009 19:55	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\016F1601.D
01-MAR-2009 17:59	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\009F0901.D
Cal Level: 2 , Cal Amount: 10.00000		
01-MAR-2009 19:39	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\015F1501.D
01-MAR-2009 17:43	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\008F0801.D
Cal Level: 3 , Cal Amount: 25.00000		
01-MAR-2009 19:22	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\014F1401.D
01-MAR-2009 17:26	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\007F0701.D
Cal Level: 4 , Cal Amount: 50.00000		
01-MAR-2009 21:01	4-CHLORDANE	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\020F2001.D
01-MAR-2009 20:28	3-TOXAPHENE	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\018F1801.D
01-MAR-2009 19:06	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\013F1301.D
01-MAR-2009 17:10	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\006F0601.D
Cal Level: 5 , Cal Amount: 75.00000		
01-MAR-2009 18:49	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\012F1201.D
01-MAR-2009 16:53	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\005F0501.D
01-MAR-2009 16:53	1-ALLCOMP	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\005F0501.D

Cal Level: 6 , Cal Amount: 100.00000		
01-MAR-2009 18:33	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\011F1101.D
01-MAR-2009 16:37	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\004F0401.D

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 4

01-MAR-2009 20:45	3-TOXAPHENE	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\019F1901.D
01-MAR-2009 20:12	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\017F1701.D
01-MAR-2009 19:22	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\014F1401.D
01-MAR-2009 18:16	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\010F1001.D
01-MAR-2009 17:26	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\007F0701.D
01-MAR-2009 15:47	EVALB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\002F0201.D
01-MAR-2009 21:01	4-CHLORDANE	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\020F2001.D
01-MAR-2009 20:28	3-TOXAPHENE	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\018F1801.D
01-MAR-2009 19:06	1-INDAB	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\013F1301.D
01-MAR-2009 17:10	2-AP9	\\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b\006F0601.D

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b/017F1701.D
Report Date: 03/02/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 017F1701.D
Analysis Type: NONE

Injection Date: 01-MAR-2009 20:12
Lab Sample ID: AB SS GSV082908
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24	Tetrachloro-m-xylene	25.0000	26.6715	6.7	15.0
136	Hexachlorobenzene	25.0000	26.2887	5.2	15.0
2	alpha-BHC	25.0000	25.8249	3.3	15.0
5	gamma-BHC (Lindane)	25.0000	25.9133	3.7	15.0
3	beta-BHC	25.0000	26.0560	4.2	15.0
4	delta-BHC	25.0000	25.3089	1.2	15.0
122	Heptachlor	25.0000	26.3541	5.4	15.0
1	Aldrin	25.0000	25.8074	3.2	15.0
19	Heptachlor epoxide	25.0000	26.5342	6.1	15.0
7	gamma-Chlordane	25.0000	26.0019	4.0	15.0
6	alpha-Chlordane	25.0000	25.6440	2.6	15.0
9	4,4'-DDE	25.0000	25.9259	3.7	15.0
12	Endosulfan I	25.0000	26.6079	6.4	15.0
11	Dieldrin	25.0000	26.1638	4.7	15.0
15	Endrin	25.0000	26.0263	4.1	15.0
8	4,4'-DDD	25.0000	23.9857	4.1	15.0
13	Endosulfan II	25.0000	26.0986	4.4	15.0
10	4,4'-DDT	25.0000	26.1193	4.5	15.0
16	Endrin aldehyde	25.0000	24.0274	3.9	15.0
21	Methoxychlor	25.0000	26.2579	5.0	15.0
22	Mirex	25.0000	26.0332	4.1	15.0
14	Endosulfan sulfate	25.0000	25.4856	1.9	15.0
17	Endrin ketone	25.0000	26.0827	4.3	15.0
23	Decachlorobiphenyl	25.0000	26.2971	5.2	15.0

Average %D = 4.25

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b/017F1701.D
Report Date: 03/02/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 017F1701.D
Analysis Type: NONE

Injection Date: 01-MAR-2009 20:12
Lab Sample ID: AB SS GSV082908
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24	Tetrachloro-m-xylene	25.0000	26.5358	6.1	15.0
133	Hexachlorobenzene	25.0000	26.3797	5.5	15.0
2	alpha-BHC	25.0000	25.5723	2.3	15.0
5	gamma-BHC (Lindane)	25.0000	25.6090	2.4	15.0
2	beta-BHC	25.0000	26.6125	6.4	15.0
4	delta-BHC	25.0000	24.9768	0.1	15.0
122	Heptachlor	25.0000	26.8235	7.3	15.0
1	Aldrin	25.0000	25.7949	3.2	15.0
19	Heptachlor epoxide	25.0000	26.3967	5.6	15.0
7	gamma-Chlordane	25.0000	26.2987	5.2	15.0
6	alpha-Chlordane	25.0000	26.0112	4.0	15.0
12	Endosulfan I	25.0000	26.4247	5.7	15.0
9	4,4'-DDE	25.0000	26.1846	4.7	15.0
11	Dieldrin	25.0000	26.4992	6.0	15.0
15	Endrin	25.0000	26.0572	4.2	15.0
8	4,4'-DDD	25.0000	24.3925	2.4	15.0
13	Endosulfan II	25.0000	26.2839	5.1	15.0
10	4,4'-DDT	25.0000	26.5759	6.3	15.0
16	Endrin aldehyde	25.0000	24.3172	2.7	15.0
14	Endosulfan sulfate	25.0000	25.9608	3.8	15.0
21	Methoxychlor	25.0000	27.0792	8.3	15.0
22	Mirex	25.0000	25.9247	3.7	15.0
17	Endrin ketone	25.0000	25.6481	2.6	15.0
23	Decachlorobiphenyl	25.0000	26.0613	4.2	15.0

Average %D = 4.51

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301091.b/019F1901.D
Report Date: 03/02/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 019F1901.D
Analysis Type: NONE

Injection Date: 01-MAR-2009 20:45
Lab Sample ID: TOX SS GSV171708
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
108 Toxaphene	200.0000	212.6800	6.3	15.0

Average %D = 6.34

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0301092.b/019F1901.D
Report Date: 03/02/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 019F1901.D
Analysis Type: NONE

Injection Date: 01-MAR-2009 20:45
Lab Sample ID: TOX SS GSV171708
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
108 Toxaphene	200.0000	211.1308	5.6	15.0

Average %D = 5.56

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0310091.b/016F1601.D
Report Date: 03/11/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 016F1601.D
Analysis Type: NONE

Injection Date: 10-MAR-2009 14:29
Lab Sample ID: AB L4 GSV169908
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24	Tetrachloro-m-xylene	50.0000	53.5358	7.1	15.0
136	Hexachlorobenzene	50.0000	53.0923	6.2	15.0
2	alpha-BHC	50.0000	54.0570	8.1	15.0
5	gamma-BHC (Lindane)	50.0000	53.6627	7.3	15.0
2	beta-BHC	50.0000	53.6176	7.2	15.0
4	delta-BHC	50.0000	53.6654	7.3	15.0
122	Heptachlor	50.0000	51.3039	2.6	15.0
1	Aldrin	50.0000	53.5924	7.2	15.0
19	Heptachlor epoxide	50.0000	54.0939	8.2	15.0
7	gamma-Chlordane	50.0000	53.3481	6.7	15.0
6	alpha-Chlordane	50.0000	52.7336	5.5	15.0
9	4,4'-DDE	50.0000	52.5718	5.1	15.0
12	Endosulfan I	50.0000	53.7431	7.5	15.0
11	Dieldrin	50.0000	53.3298	6.7	15.0
15	Endrin	50.0000	52.7587	5.5	15.0
8	4,4'-DDD	50.0000	52.3191	4.6	15.0
13	Endosulfan II	50.0000	52.6290	5.3	15.0
10	4,4'-DDT	50.0000	47.9802	4.0	15.0
16	Endrin aldehyde	50.0000	50.8610	1.7	15.0
21	Methoxychlor	50.0000	49.8222	0.4	15.0
22	Mirex	50.0000	53.0556	6.1	15.0
14	Endosulfan sulfate	50.0000	52.3192	4.6	15.0
17	Endrin ketone	50.0000	51.1888	2.4	15.0
23	Decachlorobiphenyl	50.0000	52.4313	4.9	15.0

Average %D = 5.51

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0310092.b/016F1601.D
Report Date: 03/11/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 016F1601.D
Analysis Type: NONE

Injection Date: 10-MAR-2009 14:29
Lab Sample ID: AB L4 GSV169908
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24	Tetrachloro-m-xylene	50.0000	54.3042	8.6	15.0
133	Hexachlorobenzene	50.0000	54.0795	8.2	15.0
2	alpha-BHC	50.0000	54.7177	9.4	15.0
5	gamma-BHC (Lindane)	50.0000	54.1352	8.3	15.0
2	beta-BHC	50.0000	53.9489	7.9	15.0
4	delta-BHC	50.0000	54.5054	9.0	15.0
122	Heptachlor	50.0000	53.5298	7.1	15.0
1	Aldrin	50.0000	53.8096	7.6	15.0
19	Heptachlor epoxide	50.0000	54.4949	9.0	15.0
7	gamma-Chlordane	50.0000	55.0893	10.2	15.0
6	alpha-Chlordane	50.0000	55.0699	10.1	15.0
12	Endosulfan I	50.0000	54.5539	9.1	15.0
9	4,4'-DDE	50.0000	52.8274	5.7	15.0
11	Dieldrin	50.0000	54.1695	8.3	15.0
15	Endrin	50.0000	55.3592	10.7	15.0
8	4,4'-DDD	50.0000	52.8275	5.7	15.0
13	Endosulfan II	50.0000	54.3644	8.7	15.0
10	4,4'-DDT	50.0000	47.6081	4.8	15.0
16	Endrin aldehyde	50.0000	51.4820	3.0	15.0
14	Endosulfan sulfate	50.0000	53.6669	7.3	15.0
21	Methoxychlor	50.0000	47.0311	5.9	15.0
22	Mirex	50.0000	54.0496	8.1	15.0
17	Endrin ketone	50.0000	51.7917	3.6	15.0
23	Decachlorobiphenyl	50.0000	54.7324	9.5	15.0

Average %D = 7.74

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0310091.b/029F2901.D
Report Date: 03/11/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 029F2901.D
Analysis Type: NONE

Injection Date: 10-MAR-2009 18:04
Lab Sample ID: AB L4 GSV169908
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24 Tetrachloro-m-xylene	50.0000	53.0695	6.1	15.0
136 Hexachlorobenzene	50.0000	52.5226	5.0	15.0
2 alpha-BHC	50.0000	53.6137	7.2	15.0
5 gamma-BHC (Lindane)	50.0000	53.0112	6.0	15.0
2 beta-BHC	50.0000	52.8002	5.6	15.0
4 delta-BHC	50.0000	53.8827	7.8	15.0
122 Heptachlor	50.0000	50.8877	1.8	15.0
1 Aldrin	50.0000	52.5576	5.1	15.0
19 Heptachlor epoxide	50.0000	53.3925	6.8	15.0
7 gamma-Chlordane	50.0000	52.6231	5.2	15.0
6 alpha-Chlordane	50.0000	51.1271	2.3	15.0
9 4,4'-DDE	50.0000	52.3318	4.7	15.0
12 Endosulfan I	50.0000	52.8312	5.7	15.0
11 Dieldrin	50.0000	52.8541	5.7	15.0
15 Endrin	50.0000	52.8107	5.6	15.0
8 4,4'-DDD	50.0000	56.9936	14.0	15.0
13 Endosulfan II	50.0000	52.2502	4.5	15.0
10 4,4'-DDT	50.0000	48.6245	2.8	15.0
16 Endrin aldehyde	50.0000	51.0178	2.0	15.0
21 Methoxychlor	50.0000	49.0409	1.9	15.0
22 Mirex	50.0000	53.0413	6.1	15.0
14 Endosulfan sulfate	50.0000	52.2174	4.4	15.0
17 Endrin ketone	50.0000	51.8307	3.7	15.0
23 Decachlorobiphenyl	50.0000	51.5834	3.2	15.0

Average %D = 5.13

Data File: \\DenSvr03\Public\chem\GCS\GC_P2.i\0310092.b/029F2901.D
Report Date: 03/11/2009

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: GC_P2.i
Lab File ID: 029F2901.D
Analysis Type: NONE

Injection Date: 10-MAR-2009 18:04
Lab Sample ID: AB L4 GSV169908
Method File: \\DenSvr03\Public\chem\GCS\GC_P2.

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
24 Tetrachloro-m-xylene	50.0000	53.3451	6.7	15.0
133 Hexachlorobenzene	50.0000	53.2189	6.4	15.0
2 alpha-BHC	50.0000	53.8515	7.7	15.0
5 gamma-BHC (Lindane)	50.0000	53.6214	7.2	15.0
2 beta-BHC	50.0000	53.4074	6.8	15.0
4 delta-BHC	50.0000	54.5957	9.2	15.0
122 Heptachlor	50.0000	52.8311	5.7	15.0
1 Aldrin	50.0000	52.9350	5.9	15.0
19 Heptachlor epoxide	50.0000	53.5502	7.1	15.0
7 gamma-Chlordane	50.0000	54.2622	8.5	15.0
6 alpha-Chlordane	50.0000	54.3043	8.6	15.0
12 Endosulfan I	50.0000	53.7885	7.6	15.0
9 4,4'-DDE	50.0000	51.6937	3.4	15.0
11 Dieldrin	50.0000	53.5732	7.1	15.0
15 Endrin	50.0000	53.7645	7.5	15.0
8 4,4'-DDD	50.0000	52.5936	5.2	15.0
13 Endosulfan II	50.0000	53.8157	7.6	15.0
10 4,4'-DDT	50.0000	48.5946	2.8	15.0
16 Endrin aldehyde	50.0000	51.5650	3.1	15.0
14 Endosulfan sulfate	50.0000	53.4999	7.0	15.0
21 Methoxychlor	50.0000	55.8951	11.8	15.0
22 Mirex	50.0000	53.4651	6.9	15.0
17 Endrin ketone	50.0000	52.3587	4.7	15.0
23 Decachlorobiphenyl	50.0000	53.5999	7.2	15.0

Average %D = 6.74

Sequence: C:\HPCHEM\2\SEQUENCE\2030109.S

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	PRIMER				
2	Vial 2	EVAL B STD				
3	Vial 3	HEXANE				
4	Vial 4	AP9 L6 GSV186708				
5	Vial 5	AP9 L5 GSV186808				
6	Vial 6	AP9 L4 GSV186908				
7	Vial 7	AP9 L3 GSV187008				
8	Vial 8	AP9 L2 GSV187108				
9	Vial 9	AP9 L1 GSV187208				
10	Vial 10	AP9 SS GSV153308				
11	Vial 11	AB L6 GSV169708				
12	Vial 12	AB L5 GSV169808				
13	Vial 13	AB L4 GSV169908				
14	Vial 14	AB L3 GSV170008				
15	Vial 15	AB L2 GSV170108				
16	Vial 16	AB L1 GSV170208				
17	Vial 17	AB SS GSV082908				
18	Vial 18	TOX L1 GSV186408				
19	Vial 19	TOX SS GSV171708				
20	Vial 20	CHL L1 GSV171808				
21	Vial 21	K7QT81AC,LCS				
22	Vial 22	K7QT81AD,LCSD				
23	Vial 23	K7DA92A5,189-1				
24	Vial 24	K7DCV2AW,192-2				
25	Vial 25	K7DCW2AW,192-3				
26	Vial 26	K7DCX2AW,192-4				
27	Vial 27	K7DC12AW,192-6				
28	Vial 28	K7DLC2AD,238-1				
29	Vial 29	K7QT81AA,BLK				
30	Vial 30	AP9 L4 GSV186908				
31	Vial 31	AB L4 GSV169908				
32	Vial 32	TOX L1 GSV186408				
33	Vial 33	K7PXQ1AC,LCS				
34	Vial 34	K7PXQ1AD,LCSD				
35	Vial 35	K7PXQ1AE,LCStox				
36	Vial 36	K7PXQ1AF,LCSDtox				
37	Vial 37	K7AFD2AC,169-1				
38	Vial 38	K7AFD2AC,169-2				
39	Vial 39	K7PXQ1AA,BLK				
40	Vial 40	AP9 L4 GSV186908				
41	Vial 41	AB L4 GSV169908				
42	Vial 42	TOX L1 GSV186408				
43	Vial 43	K7LR01AC,LCS				
44	Vial 44	K7GEC1AD,360-1				
45	Vial 45	K7GEH1AP,360-2				
46	Vial 46	K7GEK1AP,360-3				
47	Vial 47	K7GEQ1AP,360-4				
48	Vial 48	K7GER1AP,360-5				
49	Vial 49	K7GER1CM,360-5MS				
50	Vial 50	K7GER1CN,360-5SD				
51	Vial 51	K7GET1AP,360-6				
52	Vial 52	K7GEV1AP,360-7				
53	Vial 53	AP9 L4 GSV186908				
54	Vial 54	AB L4 GSV169908				
55	Vial 55	TOX L1 GSV186408				
56	Vial 56	K7GEW1AP,360-8				
57	Vial 57	K7GEX1AP,360-9				
58	Vial 58	K7GE01AP,360-10				

Sequence: C:\HPCHEM\2\SEQUENCE\2030109.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
59	Vial 59	K7LR01AA,BLK				
60	Vial 60	AP9 L4 GSV186908				
61	Vial 61	AB L4 GSV169908				
62	Vial 62	TOX L1 GSV186408				
63	Vial 63	AB L1 GSV170208				
64	Vial 99	HEXANE				
65	Vial 100	HEXANE				

Sequence Table (Back Injector):

No entries - empty table!

uence: C:\HPCHEM\2\SEQUENCE\2031009.S

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	PRIMER				
2	Vial 2	EVAL B STD				
3	Vial 3	HEXANE				
4	Vial 4	AP9 L4 GSV186908				
5	Vial 5	AB L4 GSV169908				
6	Vial 6	TOX L1 GSV186408				
7	Vial 7	K7GER2AP,360-5				5
8	Vial 8	K7GEX2AP,360-9				
9	Vial 9	K7GE02AP,360-10				
10	Vial 10	K73EP1AC,LCS				
11	Vial 11	K73EP1AD,LCSD				
12	Vial 12	K70831A1,267-1				
13	Vial 13	K70831A1,267-1MS				
14	Vial 14	K73EP1AA,BLK				
15	Vial 15	AP9 L4 GSV186908				
16	Vial 16	AB L4 GSV169908				
17	Vial 17	TOX L1 GSV186408				
18	Vial 18	K74R21AC,LCS				
19	Vial 19	K74R21AD,LCSD				
20	Vial 20	K74GP1AA,234-1				
21	Vial 21	K74G61AA,236-1				
22	Vial 22	K74HV1AA,239-1				
23	Vial 23	K74JC1AA,244-1				
24	Vial 24	K74JL1AA,247-1				
25	Vial 25	K74KE1AA,252-1				
26	Vial 26	K74KF1AA,251-1				
27	Vial 27	K74R21AA,BLK				
28	Vial 28	AP9 L4 GSV186908				
29	Vial 29	AB L4 GSV169908				
30	Vial 30	TOX L1 GSV186408				
31	Vial 31	K73F01AC,LCS				
32	Vial 32	K73F01AD,LCStox				
33	Vial 33	K73F01AE,LCSDtox				
34	Vial 34	K72891AA,305-1				
35	Vial 35	K72891AA,305-1MS				
36	Vial 36	K72891AA,305-1SD				
37	Vial 37	K73F01AA,BLK				
38	Vial 38	AP9 L4 GSV186908				
39	Vial 39	AB L4 GSV169908				
40	Vial 40	TOX L1 GSV186408				
41	Vial 41	K7VKT1AC,LCS				
42	Vial 42	K7TJD1AC,280-3				10
43	Vial 43	K7TJD1AE,280-3MS				10
44	Vial 44	K7TJD1AF,280-3SD				10
45	Vial 45	K7VKT1AA,BLK				
46	Vial 46	AP9 L4 GSV186908				
47	Vial 47	AB L4 GSV169908				
48	Vial 48	TOX L1 GSV186408				
49	Vial 49	AB L1 GSV170208				
50	Vial 99	HEXANE				
51	Vial 100	HEXANE				

Sequence Table (Back Injector):

No entries - empty table!

TestAmerica Denver

Sample Receiving Checklist

Lot #: D9C050244 Date/Time Received: 3/5/9 0915

Company Name & Sampling Site: Irvine

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

Quote #: 72743

Special Instructions: Please Set A to 3/11
& R to 3/12
X 5-day TAT

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

Unpacking Checks:

Cooler #(s): 1

Temperatures (°C): 5.1

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 # D9C050244

Login Checks:

Initials AB

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? All	
☐	☑	☐	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 JM

☑	☐	☐	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).

SUBCONTRACT ORDER

TestAmerica Irvine

ISB0825

5.1°C IR1 @ 3/5/09

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: ISB0825-01	**Water**		Sampled: **02/07/09 08:50**			
608-Out	ug/l	03/06/09	02/14/09 08:50	$0.00	75%	Alpha BHC ONLY, Low Level. Jflags, Boeing, Denver
Level 4 Data Package - Out	N/A	02/18/09	03/07/09 08:50	$0.00	0%	Boeing
Mercury - 245.1, Diss -OUT	ug/l	02/18/09	03/07/09 08:50	$36.00	0%	Boeing, permit, J flags/ OUT to Denver
Mercury - 245.1-OUT	ug/l	02/18/09	03/07/09 08:50	$36.00	0%	Boeing, permit, J flags/ OUT to Denver

Containers Supplied:
1 L Poly w/HNO3 (AD) 125 mL Poly (AF) 1 L Amber (O)

Released By	3/4/09 17:00 Date/Time	FedEx Received By	3/4/09 17:00 Date/Time
Released By	Date/Time	Received By	3/5/9 0915 Date/Time

NPDES - 3006

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

MWH-Pasadena / Boeing

Lot D9B100241

Project ISB0825

Joseph Doak
17461 Derian Avenue
Suite 100
Irvine, CA 92614

TestAmerica Laboratories, Inc.

DiLea Griego
Project Manager

February 16, 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 one sample received at TestAmerica Laboratories, Inc. – Denver laboratory on February 10, 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 D9B100241

Sample Receiving

The cooler temperature for the sample received on February 10, 2009 at the Denver laboratory was 1.1°C.

Total Mercury –Method 245.1

A low level of Mercury is present in the method blank associated with QC batch 9043305. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged "B". Usability of the sample data is not compromised.

No other anomalies were observed.

Dissolved Mercury –Method 245.1

A low level of Mercury is present in the method blank associated with QC batch 9043330. Because the concentration in the method blank is not present at a level greater than the reporting limit, corrective action is deemed unnecessary. Associated results in the analytical report have been flagged "B". Usability of the sample data is not compromised.

No other anomalies were observed.

EXECUTIVE SUMMARY - Detection Highlights

D9B100241

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ISB0825-01 02/07/09 08:50 001				
Mercury - DISSOLVED	0.036 J,B	0.20	ug/L	MCAWW 245.1
Mercury	0.064 J,B	0.20	ug/L	MCAWW 245.1

METHODS SUMMARY

D9B100241

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

D9B100241

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

D9B100241

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K61L8	001	ISB0825-01	02/07/09	08:50

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

D9B100241

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 245.1		9043305	9043172
	WATER	MCAWW 245.1		9043330	9043187

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Metals

CLP-Like Forms

Lot ID: D9B100241

Client: TA Irvine

Method: 245.1

Associated Samples: -001

Batch: 9043305

Total Metals Analysis

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: TestAmerica Irvine SDG No.: D9B100241

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

SOW No.: _____

Sample ID.	Lab Sample No.
ISB0825-01	D9B100241-001
ISB0825-01 MS	D9B100241-001S
ISB0825-01 MSD	D9B100241-001SD

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: Janice Collins Name: Janice Collins

Date: 2/16/09 Title: Metals Analyst

COVER PAGE - IN

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB0825-01
Lot/SDG Number:	D9B100241	**Lab Sample ID:**	D9B100241-001
Matrix:	WATER	**Lab WorkOrder:**	K61L8
% Moisture:	N/A	**Date/Time Collected:**	02/07/09 08:50
Basis:	Wet	**Date/Time Received:**	02/10/09 09:00
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043305	**Date/Time Analyzed:**	02/12/09 18:08
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.064**	0.027	0.20	J B

Form 1 Analysis Data Sheet Equivalent

Total Metals Analysis

-2A-

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

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	6.914	98.8	5.000	4.934	98.7	4.986	99.7	CV

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

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

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B100241

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	0.21300	106.5					

Comments:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9B100241	**Lab Sample ID:**	D9B120000-305B
Matrix:	WATER	**Lab WorkOrder:**	K64MV
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043305	**Date/Time Analyzed:**	02/12/09 18:03
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.036**	0.027	0.20	J

Total Metals Analysis

-3-

BLANKS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

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			0.036	B	CV

Comments:

Form III - IN

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB0825-01
Lot/SDG Number:	D9B100241	**MS Lab Sample ID:**	D9B100241-001S
Matrix:	WATER	**MS Lab WorkOrder:**	K61L8
% Moisture:	N/A	**Date/Time Collected:**	02/07/09 08:50
Basis:	Wet	**Date/Time Received:**	02/10/09 09:00
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043305	**Date/Time Analyzed:**	02/12/09 18:10
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	0.064	J B	4.75		94		90 - 110

Form 5A MS Analysis Data Sheet Equivalent

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Total Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB0825-01
Lot/SDG Number:	D9B100241	**MSD Lab Sample ID:**	D9B100241-001D
Matrix:	WATER	**MSD Lab WorkOrder:**	K61L8
% Moisture:	N/A	**Date/Time Collected:**	02/07/09 08:50
Basis:	Wet	**Date/Time Received:**	02/10/09 09:00
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043305	**Date/Time Analyzed:**	02/12/09 18:12
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	0.064	J B	4.61		91		3.0		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:	D9B100241	**Lab Sample ID:**	D9B120000-305C
Matrix:	WATER	**Lab WorkOrder:**	K64MV
% Moisture:	N/A	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043305	**Date/Time Analyzed:**	02/12/09 18:05
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Mercury	5.00	4.77	95		90 - 110

Form 7 LCS Analysis Data Sheet Equivalent

Total Metals Analysis

-10-

DETECTION LIMITS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

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 Analysis

-13-

PREPARATION LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

Method: CV Prep Method: _____

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
ISB0825-01	2/12/2009	10.0	10.0
ISB0825-01 MS	2/12/2009	10.0	10.0
ISB0825-01 MSD	2/12/2009	10.0	10.0
MB9043305	2/12/2009	10.0	10.0
Check Sample	2/12/2009	10.0	10.0

Comments:

Form XIII - IN

Total Metals Analysis
-14-

ANALYSIS RUN LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B100241

Instrument ID Number: Cetac M7500 Hg Method: CV

Start Date: 2/12/2009 End Date: 2/12/2009

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	17:29																X												
Std1	1.00	17:31																X												
Std2	1.00	17:33																X												
Std3	1.00	17:36																X												
Std4	1.00	17:38																X												
Std5	1.00	17:40																X												
Std6	1.00	17:43																X												
ICB	1.00	17:52																X												
ICV	1.00	17:54																X												
RL	1.00	17:56																X												
CCV	1.00	17:59																X												
CCB	1.00	18:01																X												
MB9043305	1.00	18:03																X												
Check Sample	1.00	18:05																X												
ISB0825-01	1.00	18:08																X												
ISB0825-01 MS	1.00	18:10																X												
ISB0825-01 MSD	1.00	18:12																X												
CCV	1.00	18:26																X												
CCB	1.00	18:28																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: D9B100241

Client: TA Irvine

Method: 245.1

Associated Samples: -001

Batch: 9043330

Dissolved Metals Analysis

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: TestAmerica Irvine SDG No.: D9B100241

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

SOW No.: _____

Sample ID.	Lab Sample No.
ISB0825-01	D9B100241-001
ISB0825-01 MS	D9B100241-001S
ISB0825-01 MSD	D9B100241-001SD

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: Janice Collins Name: Janice Collins

Date: 2/16/09 Title: Metals Analyst

COVER PAGE - IN

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB0825-01
Lot/SDG Number:	D9B100241	**Lab Sample ID:**	D9B100241-001
Matrix:	WATER	**Lab WorkOrder:**	K61L8
% Moisture:	N/A	**Date/Time Collected:**	02/07/09 08:50
Basis:	Wet	**Date/Time Received:**	02/10/09 09:00
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043330	**Date/Time Analyzed:**	02/12/09 18:47
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.036**	0.027	0.20	J B

Form 1 Analysis Data Sheet Equivalent

Dissolved Metals Analysis
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

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	6.914	98.8	5.000	4.934	98.7	4.986	99.7	CV

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

Dissolved Metals Analysis
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

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	4.966	99.3			CV

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

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

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B100241

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	0.21300	106.5					

Comments:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	
Lot/SDG Number:	D9B100241	**Lab Sample ID:**	D9B120000-330B
Matrix:	WATER	**Lab WorkOrder:**	K64PQ
% Moisture:		**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043330	**Date/Time Analyzed:**	02/12/09 18:42
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

CAS No.	Analyte	Conc.	MDL	RL	Q
7439-97-6	Mercury	**0.039**	0.027	0.20	J

Form 3 Prep Blank Equivalent

Dissolved Metals Analysis

-3-

BLANKS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

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	0.039	B	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:**	ISB0825-01
Lot/SDG Number:	D9B100241	**MS Lab Sample ID:**	D9B100241-001S
Matrix:	WATER	**MS Lab WorkOrder:**	K61L8
% Moisture:	N/A	**Date/Time Collected:**	02/07/09 08:50
Basis:	Wet	**Date/Time Received:**	02/10/09 09:00
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043330	**Date/Time Analyzed:**	02/12/09 18:49
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	0.036	J B	4.81		96		90 - 110

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Irvine

Dissolved Metals Analysis Data Sheet

Lab Name:	TESTAMERICA DENVER	**Client Sample ID:**	ISB0825-01
Lot/SDG Number:	D9B100241	**MSD Lab Sample ID:**	D9B100241-001D
Matrix:	WATER	**MSD Lab WorkOrder:**	K61L8
% Moisture:	N/A	**Date/Time Collected:**	02/07/09 08:50
Basis:	Wet	**Date/Time Received:**	02/10/09 09:00
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043330	**Date/Time Analyzed:**	02/12/09 18:52
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	0.036	J B	4.78		95		0.77		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:	D9B100241	**Lab Sample ID:**	D9B120000-330C
Matrix:	WATER	**Lab WorkOrder:**	K64PQ
% Moisture:	N/A	**Date/Time Collected:**	
Basis:	Wet	**Date/Time Received:**	
Analysis Method:	245.1	**Date Leached:**	
Unit:	ug/L	**Date/Time Extracted:**	02/12/09 15:10
QC Batch ID:	9043330	**Date/Time Analyzed:**	02/12/09 18:45
Sample Aliquot:	10 mL	**Instrument ID:**	023
Dilution Factor:	1		

Analyte	True	Found	%Rec	Q	Limits
Mercury	5.00	4.90	98		90 - 110

Form 7 LCS Analysis Data Sheet Equivalent

Dissolved Metals Analysis

-10-

DETECTION LIMITS

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

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 Analysis

-13-

PREPARATION LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: D9B100241

Method: CV Prep Method: _____

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
ISB0825-01	2/12/2009	10.0	10.0
ISB0825-01 MS	2/12/2009	10.0	10.0
ISB0825-01 MSD	2/12/2009	10.0	10.0
MB9043330	2/12/2009	10.0	10.0
Check Sample	2/12/2009	10.0	10.0

Comments:

Form XIII - IN

Dissolved Metals Analysis

-14-

ANALYSIS RUN LOG

Contract: TestAmerica Irvine

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: D9B100241

Instrument ID Number: Cetac M7500 Hg Method: CV

Start Date: 2/12/2009 End Date: 2/12/2009

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	17:29																X												
Std1	1.00	17:31																X												
Std2	1.00	17:33																X												
Std3	1.00	17:36																X												
Std4	1.00	17:38																X												
Std5	1.00	17:40																X												
Std6	1.00	17:43																X												
ICB	1.00	17:52																X												
ICV	1.00	17:54																X												
RL	1.00	17:56																X												
CCV	1.00	17:59																X												
CCB	1.00	18:01																X												
CCV	1.00	18:26																X												
CCB	1.00	18:28																X												
MB9043330	1.00	18:42																X												
Check Sample	1.00	18:45																X												
ISB0825-01	1.00	18:47																X												
ISB0825-01 MS	1.00	18:49																X												
ISB0825-01 MSD	1.00	18:52																X												
CCV	1.00	18:54																X												
CCB	1.00	18:56																X												

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

TestAmerica Denver

Sample Receiving Checklist

Lot #: D9B100241 Date/Time Received: 2/10/9 0900

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): 1.1

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 # D9B100241

Login Checks:

Initials

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? All
☑	☐	☐	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

☑	☐	☐	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).

1.1°C
IR2 2/10/09

SUBCONTRACT ORDER

TestAmerica Irvine

ISB0825

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: ISB0825-01	**Water**		Sampled: **02/07/09 08:50**			
Level 4 Data Package - Out	N/A	02/18/09	03/07/09 08:50	$0.00	0%	Boeing
Mercury - 245.1, Diss -OUT	ug/l	02/18/09	03/07/09 08:50	$36.00	0%	Boeing, permit, J flags/ OUT to Denver
Mercury - 245.1-OUT	ug/l	02/18/09	03/07/09 08:50	$36.00	0%	Boeing, permit, J flags/ OUT to Denver

Containers Supplied:
1 L Poly w/HNO3 (AD) 125 mL Poly (AF)

Released By — Date/Time: 2/9/09 — Received By: Fed-Ex — Date/Time: 2/9/09 1700

Released By — Date/Time — Received By: O. Green — Date/Time: 2/10/09 0900

Metals

Supporting Documentation

Sample Sequence, Instrument Printouts

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Lot ID: D9B100241

Client: TA - Irvine - Boeing

Batch(es) #: 9043305 + 9043330

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: [signature] 2/13/09

Metals Raw Data RoadMap

LotID		*Metal*	*WorkOrder*	*Anal Date*	*TestDesc*	*Batch*	*File Id*	*Instr*
D9B100241	1 D	HG	K61L81AG	20090212	M2451DS	9043330	090212AA	023
D9B100241	1 S	HG	K61L81AF	20090212	M2451DS	9043330	090212AA	023
D9B100241	1	HG	K61L81AC	20090212	M2451DS	9043330	090212AA	023
D9B100241	1 D	HG	K61L81AE	20090212	M2451_L	9043305	090212AA	023
D9B100241	1 S	HG	K61L81AD	20090212	M2451_L	9043305	090212AA	023
D9B100241	1	HG	K61L81AA	20090212	M2451_L	9043305	090212AA	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 #: 9043305

Prep Date: 02/12/09	Prep By: CGG	Analysis Date: 02/12/09	Analyst: CGG
Balance ID: H53865		***Thermometer ID:*** MT 4025	

Digestion Cycles	Start Time	Temp °C	End Time	Temp °C
	15:10	93	17:10	94

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-0827-09	added by instrument
NaCl / NH_2OH	Fisher	G28617	STD-0688-09	0.6
	Fisher	G06476		
$KMnO_4$	Fisher	G10662	STD-0826-09	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-0647-09

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 Trodahl ***Date:*** 2/13/09

REVIEWED BY: DG **Date:** 2/16/09

Batch Number: **9043305**

TestAmerica Laboratories, Inc.
Metals Prep Log/ Batch Summary

Prepared By: CJ

Prep Date: ~~02/12/09~~ CJ 2/12/09
Due Date: 02/16/09

Lot	Work Order			Initial Weight/Volume
D9B120000 Water	**K64MV**	B 1	Due Date: SDG:	10 mL
D9B120000 Water	**K64MV**	C 2	Due Date: SDG:	10 mL
D9B100241 Water	**K61L8** Total	3	Due Date: 02/16/09 SDG:	10 mL
D9B100241 Water	**K61L8** Total	S 4	Due Date: 02/16/09 SDG:	10 mL
D9B100241 Water	**K61L8** Total	D 5	Due Date: 02/16/09 SDG:	10 mL
D9B100246 Water	**K61MV** Total	6	Due Date: 02/16/09 SDG:	10 mL
D9B100249 Water	**K61NK** Total	7	Due Date: 02/16/09 SDG:	10 mL
D9B100255 Water	**K61PL** Total	8	Due Date: 02/16/09 SDG:	10 mL
D9B100257 Water	**K61P6** Total	9	Due Date: 02/16/09 SDG:	10 mL
D9B100260 Water	**K61Q2** Total	10	Due Date: 02/16/09 SDG:	10 mL
D9B100262 Water	**K61RN** Total	11	Due Date: 02/16/09 SDG:	10 mL
D9B100267 Water	**K61VL** Total	12	Due Date: 02/16/09 SDG:	10 mL
D9B100268 Water	**K61V5** Total	13	Due Date: 02/16/09 SDG:	10 mL

Comments:

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

CJ 2/12/09

Start 15:10	93°C
End 17:10	94°C

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 #: 9043330

Prep Date: 02/12/09	Prep By: CGG	Analysis Date: 02/12/09	Analyst: CGG
Balance ID: H53865		***Thermometer ID:*** MT 4025	

Digestion Cycles	Start Time	Temp °C	End Time	Temp °C
	15:10	93	17:10	94

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-0827-09	added by instrument
NaCl / NH_2OH	Fisher	G28617	STD-0688-09	0.6
	Fisher	G06476		
$KMnO_4$	Fisher	G10662	STD-0826-09	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-0647-09

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: Cliz Grodahl ***Date:*** 2/13/09

REVIEWED BY: DG **Date:** 2/16/09

Batch Number: **9043330**

TestAmerica Laboratories, Inc.
Metals Prep Log/ Batch Summary

Prepared By: CD

Prep Date: 02/12/09 CD
Due Date: 02/16/09

Lot	Work Order			Initial Weight/Volume
D9B120000 Water	**K64PQ**	B 1	Due Date: SDG:	10 mL
D9B120000 Water	**K64PQ**	C 2	Due Date: SDG:	10 mL
D9B100241 Water	**K61L8** Dissolved	3	Due Date: 02/16/09 SDG:	10 mL
D9B100241 Water	**K61L8** Dissolved	S 4	Due Date: 02/16/09 SDG:	10 mL
D9B100241 Water	**K61L8** Dissolved	D 5	Due Date: 02/16/09 SDG:	10 mL
D9B100246 Water	**K61MV** Dissolved	6	Due Date: 02/16/09 SDG:	10 mL
D9B100249 Water	**K61NK** Dissolved	7	Due Date: 02/16/09 SDG:	10 mL
D9B100255 Water	**K61PL** Dissolved	8	Due Date: 02/16/09 SDG:	10 mL
D9B100257 Water	**K61P6** Dissolved	9	Due Date: 02/16/09 SDG:	10 mL
D9B100260 Water	**K61Q2** Dissolved	10	Due Date: 02/16/09 SDG:	10 mL
D9B100262 Water	**K61RN** Dissolved	11	Due Date: 02/16/09 SDG:	10 mL
D9B100267 Water	**K61VL** Dissolved	12	Due Date: 02/16/09 SDG:	10 mL
D9B100268 Water	**K61V5** Dissolved	13	Due Date: 02/16/09 SDG:	10 mL

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 Denver

Standards Preparation Logbook Record

Feb-13-2009

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

STD0647-09, Hg Inorganic Ventures ICV 700ppb

Analyst: GRISDALEC

Solvent: 1% HNO3 Lot No.: G02058 Volume (ml): 100.00
Date Prep./Opened: 02-04-2009
Date Expires(1): 02-18-2009 (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

STD0856-09, 100 ppb Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009
Date Expires(1): 02-13-2009 (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

STD0857-09, Blank Daily Hg Calibration Std

Analyst: GRISDALEC

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

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

STD0858-09, 0.2 ppb Daily Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009
Date Expires(1): 02-13-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0856-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 0.2000
Parent Date Expires(1): 02-13-2009 Parent Date Expires(2): 05-01-2009

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

STD0859-09, 0.5 ppb Daily Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009
Date Expires(1): 02-13-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0856-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 0.5000
Parent Date Expires(1): 02-13-2009 Parent Date Expires(2): 05-01-2009

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

STD0860-09, 1.0 ppb Daily Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009
Date Expires(1): 02-13-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0856-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 02-13-2009 Parent Date Expires(2): 05-01-2009

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

STD0861-09, 2.0 ppb Daily Hg Calibration Std

Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009
Date Expires(1): 02-13-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0856-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 2.0000
Parent Date Expires(1): 02-13-2009 Parent Date Expires(2): 05-01-2009

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

STD0862-09, 5.0 ppb Daily Hg Calibration Std — Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009
Date Expires(1): 02-13-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0856-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 5.0000
Parent Date Expires(1): 02-13-2009 Parent Date Expires(2): 05-01-2009

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

STD0863-09, 10.0 ppb Daily Hg Calibration Std — Analyst: GRISDALEC

Solvent: 1% HN03 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009 Date Consumed: 12-06-2006
Date Expires(1): 02-13-2009 (1 Day)
Date Expires(2): 05-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0856-09, 100 ppb Hg Calibration Std Aliquot Amount (ml): 10.000
Parent Date Expires(1): 02-13-2009 Parent Date Expires(2): 05-01-2009

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

STD0864-09, Hg Daily ICV 7ppb Calibration Std — Analyst: GRISDALEC

Solvent: 1% HNO3 Lot No.: G17027 Volume (ml): 100.00
Date Prep./Opened: 02-12-2009
Date Expires(1): 02-13-2009 (1 Day)
Date Expires(2): 06-01-2009 (None)
Date Verified: 12-31--4714 by - (Verification ID: 0)

Parent Std No.: STD0647-09, Hg Inorganic Ventures ICV 700ppb Aliquot Amount (ml): 1.0000
Parent Date Expires(1): 02-18-2009 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 2/13/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/13/09 09:53:37

Sequence: 090212AA **Date:** 02/12/09 17:29 **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		02/12/09 17:29		☐
2	Std1	= 0.200			0.20	1.0	0.20	ppb	100.0%	02/12/09 17:31		☐
3	Std2	= 0.500			0.50	1.0	0.50	ppb	100.0%	02/12/09 17:33		☐
4	Std3	= 1.00			1.00	1.0	1.00	ppb	100.0%	02/12/09 17:36		☐
5	Std4	= 2.00			2.00	1.0	2.00	ppb	100.0%	02/12/09 17:38		☐
6	Std5	= 5.00			5.00	1.0	5.00	ppb	100.0%	02/12/09 17:40		☐
7	Std6	= 10.0			10.00	1.0	10.00	ppb	100.0%	02/12/09 17:43		☐
8	ICB				0.01	1.0	0.01	ppb		02/12/09 17:52		☐
9	ICV	= 7.00			6.91	1.0	6.91	ppb	98.8%	02/12/09 17:54		☐
10	RL	= 0.200			0.21	1.0	0.21	ppb		02/12/09 17:56		☐
11	CCV	= 5.00			4.93	1.0	4.93	ppb	98.7%	02/12/09 17:59		☐
12	CCB				0.01	1.0	0.01	ppb		02/12/09 18:01		☐
13	K64MVB	D9B120000	9043305		0.04	1.0	0.04	ppb		02/12/09 18:03		☐
14	K64MVC	D9B120000 = 5.00	9043305		4.77	1.0	4.77	ppb	95.4%	02/12/09 18:05		☐
15	K61L8	D9B100241-1	9043305	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 18:08		☐
16	K61L8S	D9B100241-1 = 5.00	9043305	AQUEOUS	4.75	1.0	4.75	ppb		02/12/09 18:10		☐
17	K61L8D	D9B100241-1 = 5.00	9043305	AQUEOUS	4.61	1.0	4.61	ppb		02/12/09 18:12		☐
~~18~~	~~K61L8S~~	~~D9B100241-1 = 5.00~~	~~9043305~~	~~AQUEOUS~~	~~4.63~~	~~1.0~~	~~4.63~~	~~ppb~~		~~02/12/09 18:15~~	NA confirms above	☐
~~19~~	~~K61L8D~~	~~D9B100241-1 = 5.00~~	~~9043305~~	~~AQUEOUS~~	~~4.65~~	~~1.0~~	~~4.65~~	~~ppb~~		~~02/12/09 18:17~~	co 2/13/09	☐
20	K61MV	D9B100246-1	9043305	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 18:19		☐
21	K61NK	D9B100249-1	9043305	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 18:22		☐
22	K61PL	D9B100255-1	9043305	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 18:24		☐
23	CCV	= 5.00			4.99	1.0	4.99	ppb	99.7%	02/12/09 18:26		☐
24	CCB				0.02	1.0	0.02	ppb		02/12/09 18:28		☐
25	K61P6	D9B100257-1	9043305	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 18:31		☐
26	K61Q2	D9B100260-1	9043305	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 18:33		☐
27	K61RN	D9B100262-1	9043305	AQUEOUS	0.07	1.0	0.07	ppb		02/12/09 18:35		☐
28	K61VL	D9B100267-1	9043305	AQUEOUS	0.12	1.0	0.12	ppb		02/12/09 18:38		☐
29	K61V5	D9B100268-1	9043305	AQUEOUS	0.10	1.0	0.10	ppb		02/12/09 18:40		☐
30	K64PQBF	D9B120000	9043330		0.04	1.0	0.04	ppb		02/12/09 18:42		☐
31	K64PQCF	D9B120000 = 5.00	9043330		4.90	1.0	4.90	ppb	98.0%	02/12/09 18:45		☐
32	K61L8F	D9B100241-1	9043330	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 18:47		☐
33	K61L8SF	D9B100241-1 = 5.00	9043330	AQUEOUS	4.81	1.0	4.81	ppb		02/12/09 18:49		☐
34	K61L8DF	D9B100241-1 = 5.00	9043330	AQUEOUS	4.78	1.0	4.78	ppb		02/12/09 18:52		☐

✓ co 2/13/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/13/09 09:53:37

Sequence: 090212AA **Date:** 02/12/09 17:29 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
35	CCV	= 5.00			4.97	1.0	4.97	ppb	99.3%	02/12/09 18:54		☐
36	CCB				0.01	1.0	0.01	ppb		02/12/09 18:56		☐
~~37~~	~~K61L8SF~~	~~D9B100241-1 = 5.00~~	~~9043330~~	~~AQUEOUS~~	~~4.75~~	~~1.0~~	~~4.75~~	~~ppb~~		~~02/12/09 18:58~~	NA confirms above CJ 2/13/09	☐
~~38~~	~~K61L8DF~~	~~D9B100241-1 = 5.00~~	~~9043330~~	~~AQUEOUS~~	~~4.84~~	~~1.0~~	~~4.84~~	~~ppb~~		~~02/12/09 19:01~~		☐
39	K61MVF	D9B100246-1	9043330	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 19:03		☐
40	K61NKF	D9B100249-1	9043330	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 19:05		☐
41	K61PLF	D9B100255-1	9043330	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 19:08		☐
42	K61P6F	D9B100257-1	9043330	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 19:10		☐
43	K61Q2F	D9B100260-1	9043330	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 19:12		☐
44	K61RNF	D9B100262-1	9043330	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 19:15		☐
45	K61VLF	D9B100267-1	9043330	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 19:17		☐
46	K61V5F	D9B100268-1	9043330	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 19:19		☐
47	CCV	= 5.00			4.98	1.0	4.98	ppb	99.7%	02/12/09 19:22		☐
48	CCB				0.02	1.0	0.02	ppb		02/12/09 19:24		☐
49	K64NTB	D9B120000	9043318		0.03	1.0	0.03	ppb		02/12/09 19:26		☐
50	K64NTC	D9B120000 = 5.00	9043318		4.92	1.0	4.92	ppb	98.3%	02/12/09 19:28		☐
51	K61TK	D9B100263-1	9043318	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 19:31		☐
52	K61TKS	D9B100263-1 = 5.00	9043318	AQUEOUS	5.12	1.0	5.12	ppb		02/12/09 19:33		☐
53	K61TKD	D9B100263-1 = 5.00	9043318	AQUEOUS	5.10	1.0	5.10	ppb		02/12/09 19:35		☐
~~54~~	~~K61TKS~~	~~D9B100263-1 = 5.00~~	~~9043318~~	~~AQUEOUS~~	~~5.07~~	~~1.0~~	~~5.07~~	~~ppb~~		~~02/12/09 19:38~~	NA confirms above CJ 2/13/09	☐
~~55~~	~~K61TKD~~	~~D9B100263-1 = 5.00~~	~~9043318~~	~~AQUEOUS~~	~~5.14~~	~~1.0~~	~~5.14~~	~~ppb~~		~~02/12/09 19:40~~		☐
56	K60WV	D9B100142-4	9043318	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 19:42		☐
57	K6006	D9B100155-6	9043318	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 19:45		☐
58	K6XKRB	D9B090000	9040253		0.04	1.0	0.04	ppb		02/12/09 19:47		☐
59	CCV	= 5.00			5.00	1.0	5.00	ppb	100.0%	02/12/09 19:49		☐
60	CCB				0.02	1.0	0.02	ppb		02/12/09 19:52		☐
61	K6XKRC	D9B090000 = 5.00	9040253		4.97	1.0	4.97	ppb	99.5%	02/12/09 19:54		☐
62	K6XKRL	D9B090000 = 5.00	9040253		4.88	1.0	4.88	ppb	97.5%	02/12/09 19:56		☐
63	K6RA4	D9B050201-10	9040253	AQUEOUS	0.03	1.0	0.03	ppb		02/12/09 19:58		☐
64	K6RJM	D9B050215-23	9040253	AQUEOUS	0.03	1.0	0.03	ppb		02/12/09 20:01		☐
65	K6TF5	D9B050330-13	9040253	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 20:03		☐
66	K6V6FBT	D9B060000	9043229		0.05	1.0	0.05	ppb		02/12/09 20:05		☐
67	K64EQCT	D9B120000 = 5.00	9043229		5.09	1.0	5.09	ppb	101.8%	02/12/09 20:08		☐
68	K6RP2T	D9B050263-1	9043229	LEACHATE	0.25	1.0	0.25	ppb		02/12/09 20:10		☐

/cs 2/13/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/13/09 09:53:37

Sequence: 090212AA **Date:** 02/12/09 17:29 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
69	K6RP2P5T	D9B050263	9043229	LEACHATE	0.09	5.0	0.09	ppb		02/12/09 20:12		☐
70	K6RP8T	D9B050263-2	9043229	LEACHATE	0.47	1.0	0.47	ppb		02/12/09 20:15		☐
71	CCV	= 5.00			4.95	1.0	4.95	ppb	99.0%	02/12/09 20:17		☐
72	CCB				0.02	1.0	0.02	ppb		02/12/09 20:19		☐
73	K6K3WBT	D9B020000	9043288		0.05	1.0	0.05	ppb		02/12/09 20:21		☐
74	K64LQCT	D9B120000 = 5.00	9043288		5.11	1.0	5.11	ppb	102.2%	02/12/09 20:24		☐
75	K6PJ8T	D9B040182-1	9043288	LEACHATE	0.02	1.0	0.02	ppb		02/12/09 20:26		☐
76	K6PJ8P5T	D9B040182	9043288	LEACHATE	0.05	5.0	0.05	ppb		02/12/09 20:28		☐
77	K6PKAT	D9B040182-2	9043288	LEACHATE	0.06	1.0	0.06	ppb		02/12/09 20:31		☐
78	K6V6CBT	D9B060000	9043228		0.06	1.0	0.06	ppb		02/12/09 20:33		☐
79	K64EKCT	D9B120000 = 5.00	9043228		5.34	1.0	5.34	ppb	106.9%	02/12/09 20:35		☐
80	K6Q8WT	D9B050200-1	9043228	LEACHATE	0.04	1.0	0.04	ppb		02/12/09 20:38		☐
81	K6Q8WST	D9B050200-1 = 5.00	9043228	LEACHATE	5.34	1.0	5.34	ppb		02/12/09 20:40		☐
82	K6Q8WDT	D9B050200-1 = 5.00	9043228	LEACHATE	5.54	1.0	5.54	ppb		02/12/09 20:42		☐
83	CCV	= 5.00			5.71	1.0	5.71	ppb	114.2%	02/12/09 20:45		☐
84	CCB				0.02	1.0	0.02	ppb		02/12/09 20:47		☐
85	K6Q9HT	D9B050200-2	9043228	LEACHATE	0.04	1.0	0.04	ppb		02/12/09 20:49		☐
86	K6Q9JT	D9B050200-3	9043228	LEACHATE	0.05	1.0	0.05	ppb		02/12/09 20:51		☐
87	K6Q9KT	D9B050200-4	9043228	LEACHATE	0.04	1.0	0.04	ppb		02/12/09 20:54		☐
88	K6XJ3B	D9B090000	9040246		0.05	1.0	0.05	ppb		02/12/09 20:56		☐
89	K6XJ3C	D9B090000 = 5.00	9040246		5.58	1.0	5.58	ppb	111.7%	02/12/09 20:58	— LCS > 111% limit samples < RL so see NCM. CG 2/13/09	☐
90	K6N90	D9B040148-1	9040246	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 21:01		☐
91	K6N90S	D9B040148-1 = 5.00	9040246	AQUEOUS	4.70	1.0	4.70	ppb		02/12/09 21:03		☐
92	K6N90D	D9B040148-1 = 5.00	9040246	AQUEOUS	4.90	1.0	4.90	ppb		02/12/09 21:05		☐
93	K6N95	D9B040148-2	9040246	AQUEOUS	0.09	1.0	0.09	ppb		02/12/09 21:08		☐
94	K6N96	D9B040148-3	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:10		☐
95	CCV	= 5.00			5.45	1.0	5.45	ppb	109.1%	02/12/09 21:12		☐
96	CCB				0.02	1.0	0.02	ppb		02/12/09 21:15		☐
97	K6N97	D9B040148-4	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:17		☐
98	K6N98	D9B040148-5	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:19		☐
99	K6N99	D9B040148-6	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:21		☐
100	K6PAA	D9B040148-7	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:24		☐
101	K6PAC	D9B040148-8	9040246	AQUEOUS	0.03	1.0	0.03	ppb		02/12/09 21:26		☐
102	K6PAD	D9B040148-9	9040246	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 21:28		☐

CG 2/13/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/13/09 09:53:37

Sequence: 090212AA **Date:** 02/12/09 17:29 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
103	K6PAE	D9B040148-10	9040246	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 21:31		☐
104	K6PAF	D9B040148-11	9040246	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 21:33		☐
105	K6PAH	D9B040148-12	9040246	AQUEOUS	0.07	1.0	0.07	ppb		02/12/09 21:35		☐
106	K6PAK	D9B040148-13	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:38		☐
107	CCV	= 5.00			5.65	1.0	5.65	ppb	113.0%	02/12/09 21:40		☐
108	CCB				0.02	1.0	0.02	ppb		02/12/09 21:42		☐
109	K6PAM	D9B040148-14	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:45		☐
110	K6PAP	D9B040148-15	9040246	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 21:47		☐
111	K6PAQ	D9B040148-16	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:49		☐
112	K6PAR	D9B040148-17	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:52		☐
113	K6RD6	D9B050213-1	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:54		☐
114	K6RD9	D9B050213-2	9040246	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 21:56		☐
115	K6VAF	D9B060183-1	9040246	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 21:58		☐
116	K6XKJB	D9B090000	9040250		0.05	1.0	0.05	ppb		02/12/09 22:01		☐
117	K6XKJC	D9B090000 = 5.00	9040250		5.59	1.0	5.59	ppb	111.8%	02/12/09 22:03	LCS > 111% limit	☐
118	K6RCT	D9B050209-1	9040250	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 22:05		☐
119	CCV	= 5.00			5.59	1.0	5.59	ppb	111.9%	02/12/09 22:08	samples < RL so	☐
120	CCB				0.02	1.0	0.02	ppb		02/12/09 22:10	see NCM	☐
121	K6RCTS	D9B050209-1 = 5.00	9040250	AQUEOUS	5.37	1.0	5.37	ppb		02/12/09 22:12		☐
122	K6RCTD	D9B050209-1 = 5.00	9040250	AQUEOUS	5.43	1.0	5.43	ppb		02/12/09 22:15		☐
123	K6RC0	D9B050209-2	9040250	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 22:17		☐
124	K6RC1	D9B050209-3	9040250	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 22:19		☐
125	K6RC2	D9B050209-4	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:22		☐
126	K6RC3	D9B050209-5	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:24		☐
127	K6RC4	D9B050209-6	9040250	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 22:26		☐
128	K6RC5	D9B050209-7	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:29		☐
129	K6RC7	D9B050209-8	9040250	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 22:31		☐
130	K6R0F	D9B050291-1	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:33		☐
131	CCV	= 5.00			5.61	1.0	5.61	ppb	112.1%	02/12/09 22:36		☐
132	CCB				0.02	1.0	0.02	ppb		02/12/09 22:38		☐
133	K6R1Q	D9B050291-2	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:40		☐
134	K6R1X	D9B050291-3	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:42		☐
135	K6R13	D9B050291-4	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:45		☐
136	K6R14	D9B050291-5	9040250	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 22:47		☐

cs 2/13/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/13/09 09:53:37

Sequence: 090212AA **Date:** 02/12/09 17:29 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
137	K6R16	D9B050291-6	9040250	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 22:49		☐
138	K6R19	D9B050291-7	9040250	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 22:52		☐
139	K6R2A	D9B050291-8	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:54		☐
140	K6V8R	D9B060305-1	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 22:56		☐
141	K6V84	D9B060305-2	9040250	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 22:59		☐
142	K6V86	D9B060305-3	9040250	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 23:01		☐
143	CCV	= 5.00			5.56	1.0	5.56	ppb	111.2%	02/12/09 23:03		☐
144	CCB				0.02	1.0	0.02	ppb		02/12/09 23:06		☐
145	K6V87	D9B060305-4	9040250	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:08		☐
146	K6XKVB	D9B090000	9040259		0.05	1.0	0.05	ppb		02/12/09 23:10		☐
147	K6XKVC	D9B090000 = 5.00	9040259		5.50	1.0	5.50	ppb	109.9%	02/12/09 23:13		☐
148	K6VA6	D9B060185-1	9040259	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 23:15		☐
149	K6VCG	D9B060185-2	9040259	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:17		☐
150	K6VCJ	D9B060185-3	9040259	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 23:20		☐
151	K6VCK	D9B060185-4	9040259	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:22		☐
152	K6VCM	D9B060185-5	9040259	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:24		☐
153	K6VCN	D9B060185-6	9040259	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:26		☐
154	K6VCR	D9B060185-7	9040259	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:29		☐
155	CCV	= 5.00			5.58	1.0	5.58	ppb	111.6%	02/12/09 23:31		☐
156	CCB				0.02	1.0	0.02	ppb		02/12/09 23:33		☐
157	K6VCW	D9B060185-8	9040259	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:36		☐
158	K6VC0	D9B060185-9	9040259	AQUEOUS	0.05	1.0	0.05	ppb		02/12/09 23:38		☐
159	K6VC3	D9B060185-10	9040259	AQUEOUS	0.04	1.0	0.04	ppb		02/12/09 23:40		☐
160	K6VC3P5	D9B060185	9040259	AQUEOUS	0.05	5.0	0.05	ppb		02/12/09 23:43		☐
161	K6VC3S	D9B060185-10 = 5.00	9040259	AQUEOUS	5.39	1.0	5.39	ppb		02/12/09 23:45		☐
162	K6VC3D	D9B060185-10 = 5.00	9040259	AQUEOUS	5.40	1.0	5.40	ppb		02/12/09 23:47		☐
163	K6VC6	D9B060185-11	9040259	AQUEOUS	0.06	1.0	0.06	ppb		02/12/09 23:50		☐
164	CCV	= 5.00			5.59	1.0	5.59	ppb	111.8%	02/12/09 23:52		☐
165	CCB				0.02	1.0	0.02	ppb		02/12/09 23:54		☐
166	K6XKNB	D9B090000	9040251		0.05	1.0	0.05	ppb		02/12/09 23:57		☐
167	K6XKNC	D9B090000 = 5.00	9040251		5.54	1.0	5.54	ppb	110.7%	02/12/09 23:59		☐
168	K6QHH	H9B050103-4	9040251	AQUEOUS	0.04	1.0	0.04	ppb		02/13/09 00:01		☐
169	K6QHHS	H9B050103-4 = 5.00	9040251	AQUEOUS	5.47	1.0	5.47	ppb		02/13/09 00:04		☐
170	K6QHHD	H9B050103-4 = 5.00	9040251	AQUEOUS	5.58	1.0	5.58	ppb		02/13/09 00:06		☐

2/13/09

Denver

RUN SUMMARY

Method: CVHG - Mercury (Cold Vapor Mercury) | Instrument: A (023) | Reported: 02/13/09 09:53:37

Sequence: 090212AA **Date:** 02/12/09 17:29 **Analyst:** CGG **ICV:** _____ **CAL/CCV:** _____

#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	Comment	Q
171	K6QHN	H9B050103-9	9040251	AQUEOUS	0.04	1.0	0.04	ppb		02/13/09 00:08		☐
172	CCV	= 5.00			5.56	1.0	5.56	ppb	111.1%	02/13/09 00:11		☐
173	CCB				0.02	1.0	0.02	ppb		02/13/09 00:13		☐
174	CCV	= 5.00			5.88	1.0	5.88	ppb	117.6%	02/13/09 08:19		☐
175	CCB				0.01	1.0	0.01	ppb		02/13/09 08:21		☐
176	K6XKJC	D9B090000 = 5.00	9040250		5.73	1.0	5.73	ppb	114.6%	02/13/09 08:23	NA CO 2/13/09	☐
177	CCV	= 5.00			5.81	1.0	5.81	ppb	116.2%	02/13/09 08:26		☐
178	CCB				0.01	1.0	0.01	ppb		02/13/09 08:28		☐

CO 2/13/09

CETAC Hg Analysis Report

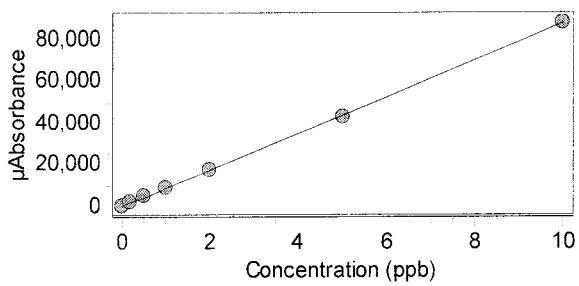
Analyst: grisdalec
Worksheet file: C:\Program Files\QuickTrace\Worksheets\090212AA.wsz
Date Started: 2/12/2009 3:07:15 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
Cal Blank	STD	02/12/09 05:29:18 pm	0.000	-171 ✓	1.49		1.00	1.00 1.00
Std1	STD	02/12/09 05:31:36 pm	0.200	1703 ✓	0.22		1.00	1.00 1.00
Std2	STD	02/12/09 05:33:54 pm	0.500	4286 ✓	0.57		1.00	1.00 1.00
Std3	STD	02/12/09 05:36:13 pm	1.000	8662 ✓	0.37		1.00	1.00 1.00
Std4	STD	02/12/09 05:38:32 pm	2.000	17335 ✓	0.58		1.00	1.00 1.00
Std5	STD	02/12/09 05:40:52 pm	5.000	43039 ✓	0.79		1.00	1.00 1.00
Std6	STD	02/12/09 05:43:13 pm	10.000	87825 ✓	0.58		1.00	1.00 1.00

Calibration

Equation: A = -193.346 + 8771.764C
R2: 0.99992 ✓
SEE: 322.1000
Flags:



ICB	ICB	02/12/09 05:52:06 pm	0.012 ✓	-92	9.12		1.00	1.00 1.00
ICV	ICV	02/12/09 05:54:27 pm	6.914 ✓	60458	0.97		1.00	1.00 1.00
% Recovery 98.78 ✓								
RL	CRDL	02/12/09 05:56:45 pm	0.213 ✓	1672	0.36		1.00	1.00 1.00
% Recovery 106.31 ✓								

TestAmerica

✓ NPDES - 3063 2/13/09

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV	CCV	02/12/09 05:59:04 pm	4.934 ✓	43087	1.28		1.00	1.00
% Recovery 98.68 ✓							1.00	
CCB	CCB	02/12/09 06:01:22 pm	0.011 ✓	-93	5.09		1.00	1.00
							1.00	
K64MVB	UNK	02/12/09 06:03:39 pm	0.036 ✓	118	24.79	s	1.00	1.00
							1.00	
K64MVC	UNK	02/12/09 06:05:56 pm	4.769 ✓	41637	1.18		1.00	1.00
							1.00	
K61L8	UNK	02/12/09 06:08:14 pm	0.064	366	3.78		1.00	1.00
							1.00	
K61L8S	UNK	02/12/09 06:10:32 pm	4.754 ✓	41506	2.02		1.00	1.00
							1.00	
K61L8D	UNK	02/12/09 06:12:50 pm	4.612 ✓	40265	1.26		1.00	1.00
							1.00	
~~K61L8S~~	~~UNK~~	~~02/12/09 06:15:08 pm~~	~~4.628~~	~~40399~~	~~1.46~~		~~1.00~~	1.00
							1.00	
~~K61L8D~~	~~UNK~~	~~02/12/09 06:17:26 pm~~	~~4.653~~	~~40618~~	~~1.29~~		~~1.00~~	1.00
							1.00	
K61MV	UNK	02/12/09 06:19:44 pm	0.047	221	2.46		1.00	1.00
							1.00	
K61NK	UNK	02/12/09 06:22:03 pm	0.054	279	4.23		1.00	1.00
							1.00	
K61PL	UNK	02/12/09 06:24:22 pm	0.035	116	6.45	s	1.00	1.00
							1.00	
CCV	CCV	02/12/09 06:26:42 pm	4.986 ✓	43545	0.71		1.00	1.00
% Recovery 99.73 ✓							1.00	
CCB	CCB	02/12/09 06:28:59 pm	0.016 ✓	-57	7.50		1.00	1.00
							1.00	
K61P6	UNK	02/12/09 06:31:19 pm	0.055	292	7.70	s	1.00	1.00
							1.00	
K61Q2	UNK	02/12/09 06:33:38 pm	0.062	351	3.49		1.00	1.00
							1.00	
K61RN	UNK	02/12/09 06:35:58 pm	0.071	426	0.62		1.00	1.00
							1.00	

NA, confirms above CS 2/13/09

✓ NPDES 2/13/09 8

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K61VL	UNK	02/12/09 06:38:18 pm	0.123	883	0.99		1.00	1.00 1.00
K61V5	UNK	02/12/09 06:40:35 pm	0.103	706	0.47		1.00	1.00 1.00
K64PQB	UNK	02/12/09 06:42:52 pm	0.039 ✓	146	0.74		1.00	1.00 1.00
K64PQC	UNK	02/12/09 06:45:09 pm	4.901 ✓	42799	0.77		1.00	1.00 1.00
K61L8	UNK	02/12/09 06:47:27 pm	0.036	125	1.40		1.00	1.00 1.00
K61L8S	UNK	02/12/09 06:49:45 pm	4.812 ✓	42017	0.99		1.00	1.00 1.00
K61L8D	UNK	02/12/09 06:52:03 pm	4.775 ✓	41690	0.90		1.00	1.00 1.00
CCV % Recovery 99.33 ✓	CCV	02/12/09 06:54:23 pm	4.966 ✓	43370	0.90		1.00	1.00 1.00
CCB	CCB	02/12/09 06:56:40 pm	0.013 ✓	-78	6.42		1.00	1.00 1.00
~~K61L8S~~	UNK	02/12/09 06:58:58 pm	~~4.748~~	~~41458~~	~~0.71~~		1.00	1.00 1.00
NA, confirms above CO 2/13/09								
~~K61L8D~~	UNK	02/12/09 07:01:16 pm	~~4.835~~	~~42222~~	~~0.55~~		1.00	1.00 1.00
K61MV	UNK	02/12/09 07:03:34 pm	0.041	163	5.03 s		1.00	1.00 1.00
K61NK	UNK	02/12/09 07:05:53 pm	0.063	360	2.18		1.00	1.00 1.00
K61PL	UNK	02/12/09 07:08:12 pm	0.046	211	1.91		1.00	1.00 1.00
K61P6	UNK	02/12/09 07:10:31 pm	0.044	196	1.31		1.00	1.00 1.00
K61Q2	UNK	02/12/09 07:12:51 pm	0.041	167	0.81		1.00	1.00 1.00
K61RN	UNK	02/12/09 07:15:11 pm	0.060	334	0.44		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K61VL	UNK	02/12/09 07:17:27 pm	0.065	381	0.73		1.00	1.00 1.00
K61V5	UNK	02/12/09 07:19:44 pm	0.054	277	0.78		1.00	1.00 1.00
CCV	CCV	02/12/09 07:22:04 pm	4.983 ✓	43513	0.84		1.00	1.00 1.00
% Recovery 99.65 ✓								
CCB	CCB	02/12/09 07:24:21 pm	0.016 ✓	-57	5.96		1.00	1.00 1.00
K64NTB	UNK	02/12/09 07:26:39 pm	0.031 ✓	76	3.50		1.00	1.00 1.00
K64NTC	UNK	02/12/09 07:28:56 pm	4.916 ✓	42931	0.91		1.00	1.00 1.00
K61TK	UNK	02/12/09 07:31:14 pm	0.049	239	1.00		1.00	1.00 1.00
K61TKS	UNK	02/12/09 07:33:32 pm	5.117 ✓	44691	1.16		1.00	1.00 1.00
K61KTD	UNK	02/12/09 07:35:51 pm	5.104 ✓	44578	0.96		1.00	1.00 1.00
~~K61TKS~~	~~UNK~~	~~02/12/09 07:38:09 pm~~	~~5.066~~	~~44245~~	~~0.94~~		~~1.00~~	~~1.00~~ 1.00
NA, Confirms above CG 2/13/09								
~~K61KTD~~	~~UNK~~	~~02/12/09 07:40:27 pm~~	~~5.141~~	~~44899~~	~~0.88~~		~~1.00~~	~~1.00~~ 1.00
K60WV	UNK	02/12/09 07:42:46 pm	0.042	178	1.14		1.00	1.00 1.00
K6006	UNK	02/12/09 07:45:05 pm	0.049	237	1.25		1.00	1.00 1.00
K6XKRB	UNK	02/12/09 07:47:24 pm	0.041 ✓	166	1.73		1.00	1.00 1.00
CCV	CCV	02/12/09 07:49:44 pm	5.000 ✓	43670	0.81		1.00	1.00 1.00
% Recovery 100.01 ✓								
CCB	CCB	02/12/09 07:52:01 pm	0.017 ✓	-48	8.70		1.00	1.00 1.00
K6XKRC	UNK	02/12/09 07:54:21 pm	4.973 ✓	43431	0.77		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K6XKRL	UNK	02/12/09 07:56:41 pm	4.877 ✓	42585	1.28		1.00	1.00 1.00
K6RA4	UNK	02/12/09 07:58:58 pm	0.031	76	6.00		1.00	1.00 1.00
K6RJM	UNK	02/12/09 08:01:15 pm	0.034	101	3.79		1.00	1.00 1.00
K6TF5	UNK	02/12/09 08:03:32 pm	0.043	182	1.20		1.00	1.00 1.00
K6V6FB	UNK	02/12/09 08:05:50 pm	0.050 ✓	247	2.45		1.00	1.00 1.00
K64EQC	UNK	02/12/09 08:08:08 pm	5.091 ✓	44463	0.21		1.00	1.00 1.00
K6RP2	UNK	02/12/09 08:10:26 pm	0.248 —	1986	0.62		1.00	1.00 1.00
K6RP2P5	UNK	02/12/09 08:12:44 pm	0.090 —	598	0.21		1.00	1.00 1.00
K6RP8	UNK	02/12/09 08:15:03 pm	0.471	3935	0.59		1.00	1.00 1.00
CCV % Recovery 99.01 ✓	CCV	02/12/09 08:17:23 pm	4.950 ✓	43231	1.57		1.00	1.00 1.00
CCB	CCB	02/12/09 08:19:40 pm	0.018 ✓	-36	7.90		1.00	1.00 1.00
K6K3WB	UNK	02/12/09 08:21:59 pm	0.049 ✓	237	1.02		1.00	1.00 1.00
K64LQC	UNK	02/12/09 08:24:18 pm	5.108 ✓	44609	1.03		1.00	1.00 1.00
K6PJ8	UNK	02/12/09 08:26:38 pm	0.023 —	11	18.75		1.00	1.00 1.00
K6PJ8P5	UNK	02/12/09 08:28:58 pm	0.046 —	213	0.98		1.00	1.00 1.00
K6PKA	UNK	02/12/09 08:31:15 pm	0.062	349	2.02		1.00	1.00 1.00
K6V6CB	UNK	02/12/09 08:33:33 pm	0.061 ✓	343	0.77		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K64EKC	UNK	02/12/09 08:35:50 pm	5.344 ✓	46685	0.95		1.00	1.00 1.00
K6Q8W	UNK	02/12/09 08:38:08 pm	0.042 ✓	174	4.44		1.00	1.00 1.00
K6Q8WS	UNK	02/12/09 08:40:26 pm	5.341 ✓	46654	0.91		1.00	1.00 1.00
K6Q8WD	UNK	02/12/09 08:42:44 pm	5.536 ✓	48366	1.04		1.00	1.00 1.00
CCV % Recovery 114.16 ✓	CCV	02/12/09 08:45:04 pm	5.708 ✓	49877	0.66		1.00	1.00 1.00
CCB	CCB	02/12/09 08:47:21 pm	0.018 ✓	-32	8.64		1.00	1.00 1.00
K6Q9H	UNK	02/12/09 08:49:39 pm	0.043	183	0.90		1.00	1.00 1.00
K6Q9J	UNK	02/12/09 08:51:58 pm	0.053	271	1.23		1.00	1.00 1.00
K6Q9K	UNK	02/12/09 08:54:17 pm	0.044	191	0.76		1.00	1.00 1.00
K6XJ3B	UNK	02/12/09 08:56:36 pm	0.048 ✓	231	0.42		1.00	1.00 1.00
K6XJ3C	UNK	02/12/09 08:58:56 pm	5.583 ✓	48782	0.88		1.00	1.00 1.00
K6N90	UNK	02/12/09 09:01:16 pm	0.037	132	4.43		1.00	1.00 1.00
K6N90S	UNK	02/12/09 09:03:34 pm	4.702 ✓	41055	1.08		1.00	1.00 1.00
K6N90D	UNK	02/12/09 09:05:52 pm	4.903 ✓	42812	1.01		1.00	1.00 1.00
K6N95	UNK	02/12/09 09:08:10 pm	0.093	619	3.53		1.00	1.00 1.00
K6N96	UNK	02/12/09 09:10:28 pm	0.046	209	2.24		1.00	1.00 1.00
CCV % Recovery 109.07 ✓	CCV	02/12/09 09:12:48 pm	5.453 ✓	47642	0.27		1.00	1.00 1.00

111.66 % ICC.
~~111.66~~ % See NCM
CS 2/13/09

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NRDES 3068 CS 2/13/09

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCB	CCB	02/12/09 09:15:05 pm	0.017	-41	6.46		1.00	1.00 1.00
K6N97	UNK	02/12/09 09:17:23 pm	0.047	216	0.73		1.00	1.00 1.00
K6N98	UNK	02/12/09 09:19:41 pm	0.049	235	1.87		1.00	1.00 1.00
K6N99	UNK	02/12/09 09:21:59 pm	0.045	197	1.15		1.00	1.00 1.00
K6PAA	UNK	02/12/09 09:24:18 pm	0.050	247	1.63		1.00	1.00 1.00
K6PAC	UNK	02/12/09 09:26:37 pm	0.034	106	2.64		1.00	1.00 1.00
K6PAD	UNK	02/12/09 09:28:56 pm	0.041	169	3.12		1.00	1.00 1.00
K6PAE	UNK	02/12/09 09:31:16 pm	0.059	321	1.25		1.00	1.00 1.00
K6PAF	UNK	02/12/09 09:33:36 pm	0.057	306	1.39		1.00	1.00 1.00
K6PAH	UNK	02/12/09 09:35:54 pm	0.067	398	2.35		1.00	1.00 1.00
K6PAK	UNK	02/12/09 09:38:12 pm	0.055	285	3.34		1.00	1.00 1.00
CCV % Recovery 112.98	CCV	02/12/09 09:40:32 pm	5.649	49358	0.82		1.00	1.00 1.00
CCB	CCB	02/12/09 09:42:49 pm	0.016	-51	12.43		1.00	1.00 1.00
K6PAM	UNK	02/12/09 09:45:07 pm	0.045	206	1.59		1.00	1.00 1.00
K6PAP	UNK	02/12/09 09:47:26 pm	0.044	189	1.18		1.00	1.00 1.00
K6PAQ	UNK	02/12/09 09:49:44 pm	0.050	246	0.53		1.00	1.00 1.00
K6PAR	UNK	02/12/09 09:52:02 pm	0.049	235	1.08		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K6RD6	UNK	02/12/09 09:54:21 pm	0.047	223	0.43		1.00	1.00 1.00
K6RD9	UNK	02/12/09 09:56:39 pm	0.052	261	1.68		1.00	1.00 1.00
K6VAF	UNK	02/12/09 09:58:58 pm	0.058	314	0.97		1.00	1.00 1.00
K6XKJB	UNK	02/12/09 10:01:18 pm	0.053	274	0.78		1.00	1.00 1.00
K6XKJC	UNK	02/12/09 10:03:37 pm	5.591	48853	0.86		1.00	1.00 1.00
K6RCT	UNK	02/12/09 10:05:57 pm	0.044	196	0.41		1.00	1.00 1.00
CCV % Recovery 111.88	CCV	02/12/09 10:08:17 pm	5.594	48878	0.84		1.00	1.00 1.00
CCB	CCB	02/12/09 10:10:34 pm	0.017	-44	13.84		1.00	1.00 1.00
K6RCTS	UNK	02/12/09 10:12:53 pm	5.374	46945	0.12		1.00	1.00 1.00
K6RCTD	UNK	02/12/09 10:15:11 pm	5.428	47424	1.68		1.00	1.00 1.00
K6RC0	UNK	02/12/09 10:17:30 pm	0.040	161	1.12		1.00	1.00 1.00
K6RC1	UNK	02/12/09 10:19:48 pm	0.044	190	1.42		1.00	1.00 1.00
K6RC2	UNK	02/12/09 10:22:07 pm	0.047	221	1.67		1.00	1.00 1.00
K6RC3	UNK	02/12/09 10:24:25 pm	0.048	227	0.82		1.00	1.00 1.00
K6RC4	UNK	02/12/09 10:26:44 pm	0.057	307	1.46		1.00	1.00 1.00
K6RC5	UNK	02/12/09 10:29:02 pm	0.053	274	1.41		1.00	1.00 1.00
K6RC7	UNK	02/12/09 10:31:21 pm	0.059	322	0.68		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
K6R0F	UNK	02/12/09 10:33:41 pm	0.047	215	1.13		1.00	1.00 1.00
CCV	CCV	02/12/09 10:36:01 pm	5.605	48976	1.05		1.00	1.00 1.00
% Recovery 112.11								
CCB	CCB	02/12/09 10:38:18 pm	0.018	-37	7.83		1.00	1.00 1.00
K6R1Q	UNK	02/12/09 10:40:37 pm	0.052	258	0.84		1.00	1.00 1.00
K6R1X	UNK	02/12/09 10:42:57 pm	0.047	219	1.26		1.00	1.00 1.00
K6R13	UNK	02/12/09 10:45:16 pm	0.050	245	1.45		1.00	1.00 1.00
K6R14	UNK	02/12/09 10:47:35 pm	0.060	336	0.59		1.00	1.00 1.00
K6R16	UNK	02/12/09 10:49:53 pm	0.042	177	1.26		1.00	1.00 1.00
K6R19	UNK	02/12/09 10:52:12 pm	0.042	174	1.64		1.00	1.00 1.00
K6R2A	UNK	02/12/09 10:54:31 pm	0.050	243	1.39		1.00	1.00 1.00
K6V8R	UNK	02/12/09 10:56:50 pm	0.053	270	0.39		1.00	1.00 1.00
K6V84	UNK	02/12/09 10:59:08 pm	0.041	164	1.07		1.00	1.00 1.00
K6V86	UNK	02/12/09 11:01:27 pm	0.044	192	1.58		1.00	1.00 1.00
CCV	CCV	02/12/09 11:03:47 pm	5.561	48584	1.00		1.00	1.00 1.00
% Recovery 111.21								
CCB	CCB	02/12/09 11:06:04 pm	0.019	-31	5.15		1.00	1.00 1.00
K6V87	UNK	02/12/09 11:08:23 pm	0.049	238	2.29		1.00	1.00 1.00
K6XKVB	UNK	02/12/09 11:10:43 pm	0.053	274	0.46		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
K6XKVC	UNK	02/12/09 11:13:02 pm	5.497	48029	0.37		1.00	1.00	1.00
K6VA6	UNK	02/12/09 11:15:22 pm	0.038	143	4.19		1.00	1.00	1.00
K6VCG	UNK	02/12/09 11:17:41 pm	0.051	257	1.41		1.00	1.00	1.00
K6VCJ	UNK	02/12/09 11:20:00 pm	0.044	190	0.96		1.00	1.00	1.00
K6VCK	UNK	02/12/09 11:22:19 pm	0.049	239	0.48		1.00	1.00	1.00
K6VCM	UNK	02/12/09 11:24:38 pm	0.047	216	1.33		1.00	1.00	1.00
K6VCN	UNK	02/12/09 11:26:57 pm	0.051	257	2.42		1.00	1.00	1.00
K6VCR	UNK	02/12/09 11:29:16 pm	0.047	220	1.07		1.00	1.00	1.00
CCV	CCV	02/12/09 11:31:36 pm	5.581	48762	0.82		1.00	1.00	1.00
% Recovery 111.62									
CCB	CCB	02/12/09 11:33:53 pm	0.018	-37	13.44		1.00	1.00	1.00
K6VCW	UNK	02/12/09 11:36:12 pm	0.046	209	1.68		1.00	1.00	1.00
K6VC0	UNK	02/12/09 11:38:31 pm	0.045	203	1.77		1.00	1.00	1.00
K6VC3	UNK	02/12/09 11:40:50 pm	0.043	181	0.69		1.00	1.00	1.00
K6VC3P5	UNK	02/12/09 11:43:10 pm	0.047	222	0.87		1.00	1.00	1.00
K6VC3S	UNK	02/12/09 11:45:29 pm	5.390	47090	0.98		1.00	1.00	1.00
K6VC3D	UNK	02/12/09 11:47:49 pm	5.397	47148	0.94		1.00	1.00	1.00
K6VC6	UNK	02/12/09 11:50:09 pm	0.060	334	1.18		1.00	1.00	1.00

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Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV	CCV	02/12/09 11:52:28 pm	5.590	48842	1.04		1.00	1.00
% Recovery 111.80							1.00	
CCB	CCB	02/12/09 11:54:46 pm	0.016	-50	12.87		1.00	1.00
							1.00	
K6XKNB	UNK	02/12/09 11:57:05 pm	0.047	216	1.02		1.00	1.00
							1.00	
K6XKNC	UNK	02/12/09 11:59:25 pm	5.536	48370	0.89		1.00	1.00
							1.00	
K6QHH	UNK	02/13/09 12:01:44 am	0.039	147	4.71		1.00	1.00
							1.00	
K6QHHS	UNK	02/13/09 12:04:04 am	5.474	47820	0.57		1.00	1.00
							1.00	
K6QHHD	UNK	02/13/09 12:06:23 am	5.578	48736	1.03		1.00	1.00
							1.00	
K6QHN	UNK	02/13/09 12:08:43 am	0.040	156	1.18		1.00	1.00
							1.00	
CCV	CCV	02/13/09 12:11:03 am	5.556	48544	1.79		1.00	1.00
% Recovery 111.12							1.00	
CCB	CCB	02/13/09 12:13:20 am	0.017	-48	6.00		1.00	1.00
							1.00	
~~CCV~~	~~CCV~~	~~02/13/09 08:19:07 am~~	~~5.878~~	~~51370~~	~~1.14~~		~~1.00~~	~~1.00~~
% Recovery 117.57							~~1.00~~	
CCB	CCB	02/13/09 08:21:24 am	0.011	-99	7.49		1.00	1.00
							1.00	
K6XKJC	UNK	02/13/09 08:23:44 am	5.732	50091	1.07		1.00	1.00
							1.00	
CCV	CCV	02/13/09 08:26:04 am	5.809	50759	0.92		1.00	1.00
% Recovery 116.17							1.00	
~~CCB~~	~~CCB~~	~~02/13/09 08:28:21 am~~	0.011	-99	4.93		1.00	1.00
							1.00	

NA cy 2/13/09

NPDES - 3073 2/13/09

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: No

Condition:

Tube # range:

If no autodilution tubes remaining

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

NPDES - 3075 2/13/09

Vista
Analytical Laboratory

NPDES - 3076

February 20, 2009

Vista Project I.D.: 31408

Mr. Joseph Doak
Test America-Irvine, CA
17461 Derian Avenue
Suite 100
Irvine, CA 92614

Dear Mr. Doak,

Enclosed are the results for the one aqueous sample received at Vista Analytical Laboratory on February 10, 2009 under your Project Name "ISB0825". This work was authorized under your Purchase Order No. 2293723. This sample was extracted and analyzed using EPA Method 1613 for tetra-through-octa chlorinated dioxins and furans. A standard turnaround time was provided for this work.

The following report consists of a Sample Inventory (Section I), Analytical Results (Section II) and the Appendix, which contains the chain-of-custody, a list of data qualifiers and abbreviations, Vista's current certifications, and copies of the raw data (if requested).

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com. Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha M. Maier
Laboratory Director

ACCREDITED IN ACCORDANCE WITH nelac

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAC for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista Analytical Laboratory.

Section I: Sample Inventory Report

Date Received: **2/10/2009**

Vista Lab. ID	Client Sample ID
31408-001	ISB0825-01

SECTION II

Method Blank — **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	1876	Lab Sample:	0-MB001
Sample Size:	1.00 L	Date Extracted:	11-Feb-09	Date Analyzed DB-5:	13-Feb-09
				Date Analyzed DB-225:	NA

Analyte	Conc. (ug/L)	DL [a]	EMPC [b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000408		
1,2,3,7,8-PeCDD	ND	0.000000973		
1,2,3,4,7,8-HxCDD	ND	0.000000759		
1,2,3,6,7,8-HxCDD	ND	0.000000746		
1,2,3,7,8,9-HxCDD	ND	0.000000725		
1,2,3,4,6,7,8-HpCDD	ND	0.00000155		
OCDD	ND	0.00000128		
2,3,7,8-TCDF	ND	0.000000401		
1,2,3,7,8-PeCDF	ND	0.000000404		
2,3,4,7,8-PeCDF	ND	0.000000419		
1,2,3,4,7,8-HxCDF	ND	0.000000475		
1,2,3,6,7,8-HxCDF	ND	0.000000430		
2,3,4,6,7,8-HxCDF	ND	0.000000400		
1,2,3,7,8,9-HxCDF	ND	0.000000717		
1,2,3,4,6,7,8-HpCDF	ND	0.000000975		
1,2,3,4,7,8,9-HpCDF	ND	0.00000107		
OCDF	ND	0.00000112		

	Labeled Standard	%R	LCL-UCL [d]	Qualifiers
IS	13C-2,3,7,8-TCDD	94.1	25 - 164	
	13C-1,2,3,7,8-PeCDD	88.4	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	95.7	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	88.6	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	102	23 - 140	
	13C-OCDD	97.3	17 - 157	
	13C-2,3,7,8-TCDF	104	24 - 169	
	13C-1,2,3,7,8-PeCDF	87.5	24 - 185	
	13C-2,3,4,7,8-PeCDF	85.8	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	91.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	91.7	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	114	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	94.0	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	91.5	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	96.4	26 - 138	
	13C-OCDF	92.5	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	85.7	35 - 197	

Totals

Total TCDD	ND	0.000000408
Total PeCDD	ND	0.000000973
Total HxCDD	ND	0.000000743
Total HpCDD	ND	0.00000155
Total TCDF	ND	0.000000401
Total PeCDF	ND	0.000000412
Total HxCDF	ND	0.000000506
Total HpCDF	ND	0.00000102

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 20-Feb-2009 11:42

OPR Results **EPA Method 1613**

Matrix:	Aqueous	QC Batch No.:	1876	Lab Sample:	0-OPR001
Sample Size:	1.00 L	Date Extracted:	11-Feb-09	Date Analyzed DB-5:	13-Feb-09
				Date Analyzed DB-225:	NA

Analyte	Spike Conc.	Conc. (ng/mL)	OPR Limits		Labeled Standard	%R	LCL-UCL	Qualifier
2,3,7,8-TCDD	10.0	10.1	6.7 - 15.8	IS	13C-2,3,7,8-TCDD	91.9	25 - 164	
1,2,3,7,8-PeCDD	50.0	50.2	35 - 71		13C-1,2,3,7,8-PeCDD	79.9	25 - 181	
1,2,3,4,7,8-HxCDD	50.0	52.0	35 - 82		13C-1,2,3,4,7,8-HxCDD	85.3	32 - 141	
1,2,3,6,7,8-HxCDD	50.0	50.1	38 - 67		13C-1,2,3,6,7,8-HxCDD	80.2	28 - 130	
1,2,3,7,8,9-HxCDD	50.0	50.0	32 - 81		13C-1,2,3,4,6,7,8-HpCDD	92.4	23 - 140	
1,2,3,4,6,7,8-HpCDD	50.0	50.1	35 - 70		13C-OCDD	84.1	17 - 157	
OCDD	100	99.3	78 - 144		13C-2,3,7,8-TCDF	102	24 - 169	
2,3,7,8-TCDF	10.0	9.62	7.5 - 15.8		13C-1,2,3,7,8-PeCDF	79.5	24 - 185	
1,2,3,7,8-PeCDF	50.0	49.1	40 - 67		13C-2,3,4,7,8-PeCDF	79.2	21 - 178	
2,3,4,7,8-PeCDF	50.0	48.6	34 - 80		13C-1,2,3,4,7,8-HxCDF	84.6	26 - 152	
1,2,3,4,7,8-HxCDF	50.0	48.9	36 - 67		13C-1,2,3,6,7,8-HxCDF	84.2	26 - 123	
1,2,3,6,7,8-HxCDF	50.0	48.8	42 - 65		13C-2,3,4,6,7,8-HxCDF	106	28 - 136	
2,3,4,6,7,8-HxCDF	50.0	49.2	35 - 78		13C-1,2,3,7,8,9-HxCDF	81.2	29 - 147	
1,2,3,7,8,9-HxCDF	50.0	50.7	39 - 65		13C-1,2,3,4,6,7,8-HpCDF	80.7	28 - 143	
1,2,3,4,6,7,8-HpCDF	50.0	49.8	41 - 61		13C-1,2,3,4,7,8,9-HpCDF	88.8	26 - 138	
1,2,3,4,7,8,9-HpCDF	50.0	50.7	39 - 69		13C-OCDF	80.0	17 - 157	
OCDF	100	98.8	63 - 170	CRS	37Cl-2,3,7,8-TCDD	89.7	35 - 197	

Analyst: JMH

Approved By: Martha M. Maier 20-Feb-2009 11:42

Sample ID: **ISB0825-01** **EPA Method 1613**

Client Data		Sample Data		Laboratory Data			
Name:	Test America-Irvine, CA	Matrix:	Aqueous	Lab Sample:	31408-001	Date Received:	10-Feb-09
Project:	ISB0825	Sample Size:	1.05 L	QC Batch No.:	1876	Date Extracted:	11-Feb-09
Date Collected:	7-Feb-09			Date Analyzed DB-5:	13-Feb-09	Date Analyzed DB-225:	NA
Time Collected:	0850						

Analyte	Conc. (ug/L)	DL [a]	EMPC[b]	Qualifiers
2,3,7,8-TCDD	ND	0.000000381		
1,2,3,7,8-PeCDD	ND	0.000000866		
1,2,3,4,7,8-HxCDD	ND	0.00000113		
1,2,3,6,7,8-HxCDD	ND	0.00000113		
1,2,3,7,8,9-HxCDD	ND	0.00000109		
1,2,3,4,6,7,8-HpCDD	0.00000404			J
OCDD	0.0000274			J
2,3,7,8-TCDF	ND	0.000000386		
1,2,3,7,8-PeCDF	ND	0.000000565		
2,3,4,7,8-PeCDF	ND	0.000000553		
1,2,3,4,7,8-HxCDF	ND	0.000000599		
1,2,3,6,7,8-HxCDF	ND	0.000000586		
2,3,4,6,7,8-HxCDF	ND	0.000000551		
1,2,3,7,8,9-HxCDF	ND	0.000000878		
1,2,3,4,6,7,8-HpCDF	ND		0.00000124	
1,2,3,4,7,8,9-HpCDF	ND	0.00000108		
OCDF	0.00000246			J

Totals			
Total TCDD	ND	0.000000381	
Total PeCDD	ND	0.000000866	
Total HxCDD	ND	0.00000112	
Total HpCDD	0.00000404		0.00000757
Total TCDF	ND	0.000000386	
Total PeCDF	ND	0.000000559	
Total HxCDF	ND	0.000000654	
Total HpCDF	ND		0.00000124

	Labeled Standard	%R	LCL-UCL[d]	Qualifiers
IS	13C-2,3,7,8-TCDD	95.9	25 - 164	
	13C-1,2,3,7,8-PeCDD	90.1	25 - 181	
	13C-1,2,3,4,7,8-HxCDD	90.3	32 - 141	
	13C-1,2,3,6,7,8-HxCDD	84.5	28 - 130	
	13C-1,2,3,4,6,7,8-HpCDD	99.0	23 - 140	
	13C-OCDD	96.9	17 - 157	
	13C-2,3,7,8-TCDF	103	24 - 169	
	13C-1,2,3,7,8-PeCDF	86.2	24 - 185	
	13C-2,3,4,7,8-PeCDF	86.0	21 - 178	
	13C-1,2,3,4,7,8-HxCDF	88.9	26 - 152	
	13C-1,2,3,6,7,8-HxCDF	83.5	26 - 123	
	13C-2,3,4,6,7,8-HxCDF	102	28 - 136	
	13C-1,2,3,7,8,9-HxCDF	91.2	29 - 147	
	13C-1,2,3,4,6,7,8-HpCDF	90.0	28 - 143	
	13C-1,2,3,4,7,8,9-HpCDF	94.7	26 - 138	
	13C-OCDF	93.3	17 - 157	
CRS	37Cl-2,3,7,8-TCDD	90.4	35 - 197	

Footnotes

a. Sample specific estimated detection limit.

b. Estimated maximum possible concentration.

c. Method detection limit.

d. Lower control limit - upper control limit.

Analyst: JMH

Approved By: Martha M. Maier 20-Feb-2009 11:42

APPENDIX

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The amount detected is above the High Calibration Limit.**
P	**The amount reported is the maximum possible concentration due to possible chlorinated diphenylether interference.**
H	**The signal-to-noise ratio is greater than 10:1.**
I	**Chemical Interference**
J	**The amount detected is below the Low Calibration Limit.**
*****	**See Cover Letter**
Conc.	**Concentration**
DL	**Sample-specific estimated detection limit**
MDL	**The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero in the matrix tested.**
EMPC	**Estimated Maximum Possible Concentration**
NA	**Not applicable**
RL	**Reporting Limit – concentrations that correspond to low calibration point**
ND	**Not Detected**
TEQ	**Toxic Equivalency**

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
State of Alaska, DEC	CA413-2008
State of Arizona	AZ0639
State of Arkansas, DEQ	08-043-0
State of Arkansas, DOH	Reciprocity through CA
State of California – NELAP Primary AA	02102CA
State of Colorado	N/A
State of Connecticut	PH-0182
State of Florida, DEP	E87777
State of Indiana Department of Health	C-CA-02
Commonwealth of Kentucky	90063
State of Louisiana, Health and Hospitals	LA08000
State of Louisiana, DEQ	01977
State of Maine	2008024
State of Michigan	9932
State of Mississippi	Reciprocity through CA
Naval Facilities Engineering Service Center	NFESC413
State of Nevada	CA004132007A
State of New Jersey	CA003
State of New Mexico	Reciprocity through CA
State of New York, DOH	11411
State of North Carolina	06700
State of North Dakota, DOH	R-078
State of Oklahoma	D9919
State of Oregon	CA200001-006
State of Pennsylvania	68-00490
State of South Carolina	87002001
State of Tennessee	TN02996
State of Texas	T104704189-08-TX
U.S. Army Corps of Engineers	N/A
State of Utah	CA16400
Commonwealth of Virginia	00013
State of Washington	C1285
State of Wisconsin	998036160
State of Wyoming	8TMS-Q

SUBCONTRACT ORDER

TestAmerica Irvine

ISB0825

31408

NPDES - 3085

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:

Vista Analytical Laboratory- SUB
1104 Windfield Way
El Dorado Hills, CA 95762
Phone :(916) 673-1520
Fax: (916) 673-0106
Project Location: CA - CALIFORNIA
Receipt Temperature: 0.7 °C Ice: (Y) N

Analysis	Units	Due	Expires	Comments
Sample ID: ISB0825-01	**Water**		Sampled: **02/07/09 08:50**	
1613-Dioxin-HR-Alta	ug/l	02/18/09	02/14/09 08:50	J flags,17 congeners,no TEQ,ug/L,sub=Vista
Level 4 + EDD-OUT	N/A	02/18/09	03/07/09 08:50	Excel EDD email to pm,Include Std logs for Lvl IV

Containers Supplied:

1 L Amber (AJ) 1 L Amber (AK)

Released By	2/9/09 Date/Time	Fed-Ex 2/9/09 1700 Received By	Date/Time
Released By	Date/Time	Received By	2/10/09 1118 Date/Time

SAMPLE LOG-IN CHECKLIST

Vista Analytical Laboratory

NPDES - 3086

Vista Project #: 31408 TAT unspecified

Samples Arrival:	**Date/Time** 2/10/09 0900		**Initials:** CBB		**Location:** WR-2 **Shelf/Rack:** N/A		
Logged In:	**Date/Time** 2/10/09 1118		**Initials:** CV		**Location:** WR-2 **Shelf/Rack:** C-4		
Delivered By:	(FedEx)	UPS	Cal	DHL	Hand Delivered	Other	
Preservation:	(Ice)	Blue Ice	Dry Ice	None			
Temp °C 0.7	**Time:** 0907		**Thermometer ID:** IR-1				

	YES	NO	NA
Adequate Sample Volume Received? (A & B bottles)	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 7973 2316 7092	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

$Na_2S_2O_3$ Preservation Documented?	COC	Sample Container	(None)		
Shipping Container	Vista	(Client)	Retain	(Return)	Dispose

Comments: