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: Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project: PTI, Phibro-Tech, Inc., App. IX
06-441-C

Sampled: 10/08/09
Received: 10/08/09
Issued: 11/30/09 08:42

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

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

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

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

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

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

COMMENTS: No significant observations were made.

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

ADDITIONAL INFORMATION: Only the Appendix IX list of analysis results are included in this report.

LABORATORY ID	CLIENT ID	MATRIX
ISJ0843-09	PTI-MW14D-083	Water
ISJ0843-10	PTI-MW04A-083	Water

Reviewed By:

TestAmerica Irvine

Patty Mata
Project Manager

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

Iris Environmental 1438 Webster Street, Suite 302 Oakland, CA 94612 Attention: Rebecca Frymer	Project ID: PTI, Phibro-Tech, Inc., App. IX 06-441-C Report Number: ISJ0843	Sampled: 10/08/09 Received: 10/08/09

CORRECTIVE ACTION REPORT

Department: GCMS-Semivolatiles
Date: 10/22/2009
Method: EPA 8270C
Matrix: Water
QC Batch: 9J12099

Identification and Definition of Problem:

The calibration verification check standard recoveries for a,a-Dimethylphenethylamine, 1,4-Phenylenediamine, and 1-Naphthylamine were outside the laboratory's default limits.

Determination of the Cause of the Problem:

The laboratory currently does not have adequate data points to establish statistical-based control limits for many Appendix IX compounds. The default limits of 70-130% may not be representative of expected analyte recovery for some compounds.

Corrective Action Taken:

Data have been reported with qualification that the calibration verification recoveres for a,a-Dimethylphenethylamine, 1,4-Phenylenediamine, and 1-Naphthylamine were below the lower default limit.

Quality Assurance Approval: Dave Dawes
Date: 10/22/2009 06:35 PM

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Iris Environmental
1438 Webster Street, Suite 302
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: ug/l								
Acrolein	EPA 8260B	9J13040	50	ND	1	10/13/2009	10/13/2009	
Acrylonitrile	EPA 8260B	9J13040	50	ND	1	10/13/2009	10/13/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)				*95 %*				
Surrogate: Dibromofluoromethane (80-120%)				*89 %*				
Surrogate: Toluene-d8 (80-120%)				*110 %*				
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: ug/l								
Acrolein	EPA 8260B	9J13040	50	ND	1	10/13/2009	10/13/2009	
Acrylonitrile	EPA 8260B	9J13040	50	ND	1	10/13/2009	10/13/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*91 %*				
Surrogate: Toluene-d8 (80-120%)				*112 %*				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								**P-HS**
Reporting Units: ug/l								
Acetone	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Acetonitrile	EPA 8260B	9J19037	20	ND	1	10/19/2009	10/20/2009	
Allyl Chloride	EPA 8260B	9J19037	1.0	ND	1	10/19/2009	10/20/2009	
Benzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Bromodichloromethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Bromoform	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Bromomethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
2-Butanone (MEK)	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Carbon Disulfide	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Carbon tetrachloride	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
2-Chloro-1,3-butadiene	EPA 8260B	9J19037	1.0	ND	1	10/19/2009	10/20/2009	
Chlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Chloroethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Chloroform	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Chloromethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Dibromochloromethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Dibromomethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
trans-1,4-Dichloro-2-butene	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
1,2-Dichlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,3-Dichlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,4-Dichlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Dichlorodifluoromethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
1,1-Dichloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,2-Dichloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1-Dichloroethene	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
cis-1,2-Dichloroethene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
trans-1,2-Dichloroethene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,2-Dichloropropane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
cis-1,3-Dichloropropene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
trans-1,3-Dichloropropene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Ethylbenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Ethyl Methacrylate	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
2-Hexanone	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Iodomethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Methyl Acrylonitrile	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Methylene chloride	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Methyl Methacrylate	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Propionitrile	EPA 8260B	9J19037	20	ND	1	10/19/2009	10/20/2009	
Styrene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water) - cont.								**P-HS**
Reporting Units: ug/l								
1,1,2,2-Tetrachloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Tetrachloroethene	EPA 8260B	9J19037	2.0	**7.5**	1	10/19/2009	10/20/2009	
Toluene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1,1-Trichloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1,2-Trichloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Trichloroethene	EPA 8260B	9J19037	2.0	**11**	1	10/19/2009	10/20/2009	
Trichlorofluoromethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Vinyl acetate	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Vinyl chloride	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
m,p-Xylenes	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
o-Xylene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				

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Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09RE1 (PTI-MW14D-083 - Water) - cont.								**P-HS**
Reporting Units: ug/l								
Isobutanol (2-Methyl-1-Propanol)	EPA 8260B	9J21032	20	ND	1	10/21/2009	10/21/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Surrogate: Dibromofluoromethane (80-120%)				*125 %*				*ZX*
Surrogate: Toluene-d8 (80-120%)				*113 %*				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Acetonitrile	EPA 8260B	9J19037	20	ND	1	10/19/2009	10/20/2009	
Allyl Chloride	EPA 8260B	9J19037	1.0	ND	1	10/19/2009	10/20/2009	
Benzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Bromodichloromethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Bromoform	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Bromomethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
2-Butanone (MEK)	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Carbon Disulfide	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Carbon tetrachloride	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
2-Chloro-1,3-butadiene	EPA 8260B	9J19037	1.0	ND	1	10/19/2009	10/20/2009	
Chlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Chloroethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Chloroform	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Chloromethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Dibromochloromethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Dibromomethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
trans-1,4-Dichloro-2-butene	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
1,2-Dichlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,3-Dichlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,4-Dichlorobenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Dichlorodifluoromethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
1,1-Dichloroethane	EPA 8260B	9J19037	2.0	**4.0**	1	10/19/2009	10/20/2009	
1,2-Dichloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1-Dichloroethene	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
cis-1,2-Dichloroethene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
trans-1,2-Dichloroethene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,2-Dichloropropane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
cis-1,3-Dichloropropene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
trans-1,3-Dichloropropene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Ethylbenzene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Ethyl Methacrylate	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
2-Hexanone	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Iodomethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	9J19037	10	ND	1	10/19/2009	10/20/2009	
Methyl Acrylonitrile	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Methylene chloride	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Methyl Methacrylate	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Propionitrile	EPA 8260B	9J19037	20	ND	1	10/19/2009	10/20/2009	
Styrene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1,1,2-Tetrachloroethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water) - cont.								
Reporting Units: ug/l								
1,1,2,2-Tetrachloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Tetrachloroethene	EPA 8260B	9J19037	2.0	**20**	1	10/19/2009	10/20/2009	
Toluene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1,1-Trichloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
1,1,2-Trichloroethane	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Trichloroethene	EPA 8260B	9J19037	2.0	**47**	1	10/19/2009	10/20/2009	
Trichlorofluoromethane	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Vinyl acetate	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
Vinyl chloride	EPA 8260B	9J19037	5.0	ND	1	10/19/2009	10/20/2009	
m,p-Xylenes	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
o-Xylene	EPA 8260B	9J19037	2.0	ND	1	10/19/2009	10/20/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10RE1 (PTI-MW04A-083 - Water) - cont.								
Reporting Units: ug/l								
Isobutanol (2-Methyl-1-Propanol)	EPA 8260B	9J20030	20	ND	1	10/20/2009	10/21/2009	
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				
Surrogate: Dibromofluoromethane (80-120%)				*120 %*				
Surrogate: Toluene-d8 (80-120%)				*119 %*				

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Sampled: 10/08/09
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SEMI-VOLATILE ORGANICS BY GC/MS (EPA 3520C/8270C)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: ug/l								
a,a-Dimethylphenethylamine	EPA 8270C	9J12099	120	ND	0.962	10/12/2009	10/15/2009	C4
Acenaphthene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Acenaphthylene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Acetophenone	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
2-Acetylaminofluorene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
4-Aminobiphenyl	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Aniline	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Anthracene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Aramite	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Benzo(a)anthracene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Benzo(a)pyrene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Benzo(b)fluoranthene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Benzo(g,h,i)perylene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Benzo(k)fluoranthene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Benzyl alcohol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Butyl benzyl phthalate	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Carbazole	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
4-Chloro-3-methylphenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
4-Chloroaniline	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Chlorobenzilate	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
2-Chloronaphthalene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
2-Chlorophenol	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Chrysene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Diallate	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Dibenz(a,h)anthracene	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Dibenzofuran	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Di-n-butyl phthalate	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
1,2-Dichlorobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
1,3-Dichlorobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
1,4-Dichlorobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
2,4-Dichlorophenol	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
2,6-Dichlorophenol	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Diethyl phthalate	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Dimethoate	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	C
Dimethylaminoazobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water) - cont.								
Reporting Units: ug/l								
7,12-Dimethylbenz[a]anthracene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
3,3-Dimethylbenzidine	EPA 8270C	9J12099	24	ND	0.962	10/12/2009	10/15/2009	
2,4-Dimethylphenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Dimethyl phthalate	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
1,3-Dinitrobenzene	EPA 8270C	9J12099	48	ND	0.962	10/12/2009	10/15/2009	
2,4-Dinitrophenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
2,4-Dinitrotoluene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
2,6-Dinitrotoluene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Dinoseb	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Di-n-octyl phthalate	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Diphenylamine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Disulfoton	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9J12099	48	ND	0.962	10/12/2009	10/15/2009	
Ethyl methanesulfonate	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Ethyl Parathion	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Famphur	EPA 8270C	9J12099	96	ND	0.962	10/12/2009	10/15/2009	
Fluoranthene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Fluorene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Hexachlorobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Hexachlorobutadiene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Hexachlorocyclopentadiene	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Hexachloroethane	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Hexachlorophene	EPA 8270C	9J12099	290	ND	0.962	10/12/2009	10/15/2009	C-2
Hexachloropropene	EPA 8270C	9J12099	24	ND	0.962	10/12/2009	10/15/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Isodrin	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Isophorone	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Isosafrole	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Kepone	EPA 8270C	9J12099	96	ND	0.962	10/12/2009	10/15/2009	C-2
Methapyrilene	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	C
3-Methylcholanthrene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Methyl methanesulfonate	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
2-Methylnaphthalene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Methyl Parathion	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	C
2-Methylphenol	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
3/4-Methylphenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Naphthalene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
1,4-Naphthoquinone	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
1-Naphthylamine	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	C4
2-Naphthylamine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	

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Iris Environmental
1438 Webster Street, Suite 302
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water) - cont.								
Reporting Units: ug/l								
2-Nitroaniline	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
3-Nitroaniline	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
4-Nitroaniline	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Nitrobenzene	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
2-Nitrophenol	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
4-Nitrophenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
4-Nitroquinoline N-Oxide	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	C-2
N-Nitrosodi-n-butylamine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
N-Nitrosodiethylamine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
N-Nitrosodimethylamine	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
N-Nitrosodiphenylamine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
N-Nitrosomethylethylamine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
N-Nitrosomorpholine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
N-Nitrosopiperidine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
N-Nitrosopyrrolidine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
5-Nitro-o-toluidine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
O,O,O-Triethylphosphorothioate	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Pentachlorobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Pentachloroethane	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Pentachloronitrobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Pentachlorophenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Phenacetin	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Phenanthrene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Phenol	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
1,4-Phenylenediamine	EPA 8270C	9J12099	58	ND	0.962	10/12/2009	10/15/2009	C4
Phorate	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	C
2-Picoline	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Pronamide	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Pyrene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Pyridine	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
Safrole	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
Sulfotep	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
2,3,4,6-Tetrachlorophenol	EPA 8270C	9J12099	14	ND	0.962	10/12/2009	10/15/2009	
Thionazin	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
o-Toluidine	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	
2,4,5-Trichlorophenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
2,4,6-Trichlorophenol	EPA 8270C	9J12099	19	ND	0.962	10/12/2009	10/15/2009	
1,3,5-Trinitrobenzene	EPA 8270C	9J12099	9.6	ND	0.962	10/12/2009	10/15/2009	

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

Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (50-120%)				*76 %*				
Surrogate: 2-Fluorophenol (30-120%)				*57 %*				
Surrogate: Nitrobenzene-d5 (45-120%)				*74 %*				
Surrogate: Phenol-d6 (35-120%)				*60 %*				
Surrogate: Terphenyl-d14 (50-125%)				*77 %*				
Surrogate: 2,4,6-Tribromophenol (40-120%)				*87 %*				

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Iris Environmental
1438 Webster Street, Suite 302
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: ug/l								
a,a-Dimethylphenethylamine	EPA 8270C	9J12099	120	ND	0.98	10/12/2009	10/15/2009	C4
Acenaphthene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Acenaphthylene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Acetophenone	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
2-Acetylaminofluorene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
4-Aminobiphenyl	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Aniline	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Anthracene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Aramite	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Benzo(a)anthracene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Benzo(a)pyrene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Benzo(b)fluoranthene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Benzo(g,h,i)perylene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Benzo(k)fluoranthene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Benzyl alcohol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
4-Bromophenyl phenyl ether	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Butyl benzyl phthalate	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Carbazole	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
4-Chloro-3-methylphenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
4-Chloroaniline	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Chlorobenzilate	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Bis(2-chloroethoxy)methane	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Bis(2-chloroethyl)ether	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Bis(2-chloroisopropyl)ether	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
2-Chloronaphthalene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
2-Chlorophenol	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
4-Chlorophenyl phenyl ether	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Chrysene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Diallate	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Dibenz(a,h)anthracene	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Dibenzofuran	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Di-n-butyl phthalate	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
1,2-Dichlorobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
1,3-Dichlorobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
1,4-Dichlorobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
3,3'-Dichlorobenzidine	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
2,4-Dichlorophenol	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
2,6-Dichlorophenol	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Diethyl phthalate	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Dimethoate	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	C
Dimethylaminoazobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water) - cont.								
Reporting Units: ug/l								
7,12-Dimethylbenz[a]anthracene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
3,3-Dimethylbenzidine	EPA 8270C	9J12099	25	ND	0.98	10/12/2009	10/15/2009	
2,4-Dimethylphenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Dimethyl phthalate	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
4,6-Dinitro-2-methylphenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
1,3-Dinitrobenzene	EPA 8270C	9J12099	49	ND	0.98	10/12/2009	10/15/2009	
2,4-Dinitrophenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
2,4-Dinitrotoluene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
2,6-Dinitrotoluene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Dinoseb	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Di-n-octyl phthalate	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Diphenylamine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Disulfoton	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Bis(2-ethylhexyl)phthalate	EPA 8270C	9J12099	49	ND	0.98	10/12/2009	10/15/2009	
Ethyl methanesulfonate	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Ethyl Parathion	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Famphur	EPA 8270C	9J12099	98	ND	0.98	10/12/2009	10/15/2009	
Fluoranthene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Fluorene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Hexachlorobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Hexachlorobutadiene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Hexachlorocyclopentadiene	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Hexachloroethane	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Hexachlorophene	EPA 8270C	9J12099	290	ND	0.98	10/12/2009	10/15/2009	C-2
Hexachloropropene	EPA 8270C	9J12099	25	ND	0.98	10/12/2009	10/15/2009	
Indeno(1,2,3-cd)pyrene	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Isodrin	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Isophorone	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Isosafrole	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Kepone	EPA 8270C	9J12099	98	ND	0.98	10/12/2009	10/15/2009	C-2
Methapyrilene	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	C
3-Methylcholanthrene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Methyl methanesulfonate	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
2-Methylnaphthalene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Methyl Parathion	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	C
2-Methylphenol	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
3/4-Methylphenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Naphthalene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
1,4-Naphthoquinone	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
1-Naphthylamine	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	C4
2-Naphthylamine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	

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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water) - cont.								
Reporting Units: ug/l								
2-Nitroaniline	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
3-Nitroaniline	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
4-Nitroaniline	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Nitrobenzene	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
2-Nitrophenol	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
4-Nitrophenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
4-Nitroquinoline N-Oxide	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	C-2
N-Nitrosodi-n-butylamine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
N-Nitrosodiethylamine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
N-Nitrosodimethylamine	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
N-Nitrosodiphenylamine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
N-Nitroso-di-n-propylamine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
N-Nitrosomethylethylamine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
N-Nitrosomorpholine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
N-Nitrosopiperidine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
N-Nitrosopyrrolidine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
5-Nitro-o-toluidine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
O,O,O-Triethylphosphorothioate	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Pentachlorobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Pentachloroethane	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Pentachloronitrobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Pentachlorophenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Phenacetin	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Phenanthrene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Phenol	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
1,4-Phenylenediamine	EPA 8270C	9J12099	59	ND	0.98	10/12/2009	10/15/2009	C4
Phorate	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	C
2-Picoline	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Pronamide	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Pyrene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Pyridine	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
Safrole	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
Sulfotep	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
2,3,4,6-Tetrachlorophenol	EPA 8270C	9J12099	15	ND	0.98	10/12/2009	10/15/2009	
Thionazin	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
o-Toluidine	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
1,2,4-Trichlorobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	
2,4,5-Trichlorophenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
2,4,6-Trichlorophenol	EPA 8270C	9J12099	20	ND	0.98	10/12/2009	10/15/2009	
1,3,5-Trinitrobenzene	EPA 8270C	9J12099	9.8	ND	0.98	10/12/2009	10/15/2009	

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

Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (50-120%)				*71 %*				
Surrogate: 2-Fluorophenol (30-120%)				*62 %*				
Surrogate: Nitrobenzene-d5 (45-120%)				*70 %*				
Surrogate: Phenol-d6 (35-120%)				*64 %*				
Surrogate: Terphenyl-d14 (50-125%)				*70 %*				
Surrogate: 2,4,6-Tribromophenol (40-120%)				*80 %*				

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1438 Webster Street, Suite 302
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	9J12093	0.49	**1.0**	0.971	10/12/2009	10/13/2009	
Surrogate: 1,4-Dioxane-d8 (30-120%)				*67 %*				
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	EPA 8270C	9J12093	0.49	**1.5**	0.98	10/12/2009	10/13/2009	
Surrogate: 1,4-Dioxane-d8 (30-120%)				*60 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: ug/l								
4,4'-DDD	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
4,4'-DDE	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
4,4'-DDT	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Aldrin	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
alpha-BHC	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
beta-BHC	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
delta-BHC	EPA 3510C/8081A	9J12012	0.20	ND	1.01	10/12/2009	10/14/2009	
Dieldrin	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Endosulfan I	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Endosulfan II	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Endosulfan sulfate	EPA 3510C/8081A	9J12012	0.20	ND	1.01	10/12/2009	10/14/2009	
Endrin	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Endrin aldehyde	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Endrin ketone	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
gamma-BHC (Lindane)	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Heptachlor	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Heptachlor epoxide	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Methoxychlor	EPA 3510C/8081A	9J12012	0.10	ND	1.01	10/12/2009	10/14/2009	
Chlordane	EPA 3510C/8081A	9J12012	1.0	ND	1.01	10/12/2009	10/14/2009	
Toxaphene	EPA 3510C/8081A	9J12012	5.1	ND	1.01	10/12/2009	10/14/2009	
Surrogate: Decachlorobiphenyl (45-120%)				*77 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)				*58 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: ug/l								
4,4'-DDD	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
4,4'-DDE	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
4,4'-DDT	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Aldrin	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
alpha-BHC	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
beta-BHC	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
delta-BHC	EPA 3510C/8081A	9J12012	0.20	ND	1.02	10/12/2009	10/14/2009	
Dieldrin	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Endosulfan I	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Endosulfan II	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Endosulfan sulfate	EPA 3510C/8081A	9J12012	0.20	ND	1.02	10/12/2009	10/14/2009	
Endrin	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Endrin aldehyde	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Endrin ketone	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
gamma-BHC (Lindane)	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Heptachlor	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Heptachlor epoxide	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Methoxychlor	EPA 3510C/8081A	9J12012	0.10	ND	1.02	10/12/2009	10/14/2009	
Chlordane	EPA 3510C/8081A	9J12012	1.0	ND	1.02	10/12/2009	10/14/2009	
Toxaphene	EPA 3510C/8081A	9J12012	5.1	ND	1.02	10/12/2009	10/14/2009	
Surrogate: Decachlorobiphenyl (45-120%)				*79 %*				
Surrogate: Tetrachloro-m-xylene (35-115%)				*75 %*				

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06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09RE1 (PTI-MW14D-083 - Water)								
Reporting Units: ug/l								
Aroclor 1016	EPA 8082	9J13077	1.0	ND	1.01	10/13/2009	10/13/2009	
Aroclor 1221	EPA 8082	9J13077	1.0	ND	1.01	10/13/2009	10/13/2009	
Aroclor 1232	EPA 8082	9J13077	1.0	ND	1.01	10/13/2009	10/13/2009	
Aroclor 1242	EPA 8082	9J13077	1.0	ND	1.01	10/13/2009	10/13/2009	
Aroclor 1248	EPA 8082	9J13077	1.0	ND	1.01	10/13/2009	10/13/2009	
Aroclor 1254	EPA 8082	9J13077	1.0	ND	1.01	10/13/2009	10/13/2009	
Aroclor 1260	EPA 8082	9J13077	1.0	ND	1.01	10/13/2009	10/13/2009	
Surrogate: Decachlorobiphenyl (45-120%)				*86 %*				
Sample ID: ISJ0843-10RE1 (PTI-MW04A-083 - Water)								
Reporting Units: ug/l								
Aroclor 1016	EPA 8082	9J13077	1.0	ND	1.02	10/13/2009	10/13/2009	
Aroclor 1221	EPA 8082	9J13077	1.0	ND	1.02	10/13/2009	10/13/2009	
Aroclor 1232	EPA 8082	9J13077	1.0	ND	1.02	10/13/2009	10/13/2009	
Aroclor 1242	EPA 8082	9J13077	1.0	ND	1.02	10/13/2009	10/13/2009	
Aroclor 1248	EPA 8082	9J13077	1.0	ND	1.02	10/13/2009	10/13/2009	
Aroclor 1254	EPA 8082	9J13077	1.0	ND	1.02	10/13/2009	10/13/2009	
Aroclor 1260	EPA 8082	9J13077	1.0	ND	1.02	10/13/2009	10/13/2009	
Surrogate: Decachlorobiphenyl (45-120%)				*81 %*				

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: mg/l								
Mercury	EPA 7470A-Diss	9J13092	0.00020	ND	1	10/13/2009	10/13/2009	
Antimony	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Arsenic	EPA 6010B-Diss	9J12077	0.010	**0.014**	1	10/12/2009	10/16/2009	
Barium	EPA 6010B-Diss	9J12077	0.010	**0.039**	1	10/12/2009	10/16/2009	
Beryllium	EPA 6010B-Diss	9J12077	0.0040	ND	1	10/12/2009	10/16/2009	
Cadmium	EPA 6010B-Diss	9J12077	0.0050	ND	1	10/12/2009	10/16/2009	
Chromium	EPA 6010B-Diss	9J12077	0.0050	ND	1	10/12/2009	10/16/2009	
Cobalt	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Copper	EPA 6010B-Diss	9J12077	0.010	**0.043**	1	10/12/2009	10/16/2009	
Lead	EPA 6010B-Diss	9J12077	0.0050	ND	1	10/12/2009	10/16/2009	
Molybdenum	EPA 6010B-Diss	9J12077	0.020	ND	1	10/12/2009	10/16/2009	
Nickel	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Selenium	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/17/2009	
Silver	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Thallium	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Tin	EPA 6010B-Diss	9K06098	0.10	ND	1	11/6/2009	11/7/2009	
Vanadium	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Zinc	EPA 6010B-Diss	9J12077	0.020	**0.082**	1	10/12/2009	10/16/2009	
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: mg/l								
Mercury	EPA 7470A-Diss	9J13092	0.00020	ND	1	10/13/2009	10/13/2009	
Antimony	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Arsenic	EPA 6010B-Diss	9J12077	0.010	**0.010**	1	10/12/2009	10/16/2009	
Barium	EPA 6010B-Diss	9J12077	0.010	**0.028**	1	10/12/2009	10/16/2009	
Beryllium	EPA 6010B-Diss	9J12077	0.0040	ND	1	10/12/2009	10/16/2009	
Cadmium	EPA 6010B-Diss	9J12077	0.0050	ND	1	10/12/2009	10/16/2009	
Chromium	EPA 6010B-Diss	9J12077	0.0050	**0.015**	1	10/12/2009	10/16/2009	
Cobalt	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Copper	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Lead	EPA 6010B-Diss	9J12077	0.0050	ND	1	10/12/2009	10/16/2009	
Molybdenum	EPA 6010B-Diss	9J12077	0.020	ND	1	10/12/2009	10/16/2009	
Nickel	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Selenium	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/17/2009	
Silver	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Thallium	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Tin	EPA 6010B-Diss	9K06098	0.10	ND	1	11/6/2009	11/7/2009	
Vanadium	EPA 6010B-Diss	9J12077	0.010	ND	1	10/12/2009	10/16/2009	
Zinc	EPA 6010B-Diss	9J12077	0.020	ND	1	10/12/2009	10/16/2009	

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Iris Environmental
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

DISSOLVED INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	9J08096	0.0010	**0.0021**	1	10/8/2009	10/8/2009	
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	9J08096	0.0010	**0.014**	1	10/8/2009	10/8/2009	

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Project ID: PTI, Phibro-Tech, Inc., App. IX
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Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: mg/l								
Total Cyanide	SM4500CN-E	9J09113	0.025	ND	1	10/9/2009	10/9/2009	
Sulfide	SM4500-S C, D	9J09121	0.10	ND	1	10/9/2009	10/9/2009	
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)								
Reporting Units: pH Units								
pH	SM4500-H,B	9J09065	0.100	**7.85**	1	10/9/2009	10/9/2009	HFT
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: mg/l								
Total Cyanide	SM4500CN-E	9J09113	0.025	ND	1	10/9/2009	10/9/2009	
Sulfide	SM4500-S C, D	9J09121	0.10	ND	1	10/9/2009	10/9/2009	
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)								
Reporting Units: pH Units								
pH	SM4500-H,B	9J09065	0.100	**7.74**	1	10/9/2009	10/9/2009	HFT

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06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

SW846 8141A

Analyte	Method	Batch	Reporting Limit	MDL	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)									
Reporting Units: ug/L									
Azinphos-methyl	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Bolstar	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Chlorpyrifos	SW846 8141A	9287463	0.97	0.099	ND	0.97	10/14/2009	10/16/2009	
Coumaphos	SW846 8141A	9287463	0.97	0.14	ND	0.97	10/14/2009	10/16/2009	
Demeton (total)	SW846 8141A	9287463	0.97	0.16	ND	0.97	10/14/2009	10/16/2009	
Demeton-O	SW846 8141A	9287463	0.97	0.091	ND	0.97	10/14/2009	10/16/2009	
Demeton-S	SW846 8141A	9287463	0.97	0.069	ND	0.97	10/14/2009	10/16/2009	
Diazinon	SW846 8141A	9287463	0.97	0.091	ND	0.97	10/14/2009	10/16/2009	
Dichlorvos	SW846 8141A	9287463	0.97	0.082	ND	0.97	10/14/2009	10/16/2009	
Dimethoate	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Disulfoton	SW846 8141A	9287463	0.97	0.098	ND	0.97	10/14/2009	10/16/2009	
EPN	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Ethoprop	SW846 8141A	9287463	0.97	0.098	ND	0.97	10/14/2009	10/16/2009	
Famphur	SW846 8141A	9287463	0.97	0.12	ND	0.97	10/14/2009	10/16/2009	
Fensulfothion	SW846 8141A	9287463	0.97	0.16	ND	0.97	10/14/2009	10/16/2009	
Fenthion	SW846 8141A	9287463	0.97	0.082	ND	0.97	10/14/2009	10/16/2009	
Malathion	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Methyl parathion	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Mevinphos	SW846 8141A	9287463	0.97	0.095	ND	0.97	10/14/2009	10/16/2009	
O,O,O-Triethyl phosphorothioate	SW846 8141A	9287463	0.97	0.097	ND	0.97	10/14/2009	10/16/2009	
Parathion	SW846 8141A	9287463	0.97	0.16	ND	0.97	10/14/2009	10/16/2009	
Phorate	SW846 8141A	9287463	0.97	0.09	ND	0.97	10/14/2009	10/16/2009	
Ronnel	SW846 8141A	9287463	0.97	0.099	ND	0.97	10/14/2009	10/16/2009	
Stirophos	SW846 8141A	9287463	0.97	0.093	ND	0.97	10/14/2009	10/16/2009	
Sulfotepp	SW846 8141A	9287463	0.97	0.092	ND	0.97	10/14/2009	10/16/2009	
Thionazin	SW846 8141A	9287463	0.97	0.097	ND	0.97	10/14/2009	10/16/2009	
Tokuthion	SW846 8141A	9287463	0.97	0.091	ND	0.97	10/14/2009	10/16/2009	
Trichloronate	SW846 8141A	9287463	0.97	0.096	ND	0.97	10/14/2009	10/16/2009	
Surrogate: Tributyl phosphate (49-122%)					*116 %*				
Surrogate: Triphenyl phosphate (45-145%)					*116 %*				

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Project Manager

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Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

SW846 8141A

Analyte	Method	Batch	Reporting Limit	MDL	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)									
Reporting Units: ug/L									
Azinphos-methyl	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Bolstar	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Chlorpyrifos	SW846 8141A	9287463	0.97	0.099	ND	0.97	10/14/2009	10/16/2009	
Coumaphos	SW846 8141A	9287463	0.97	0.14	ND	0.97	10/14/2009	10/16/2009	
Demeton (total)	SW846 8141A	9287463	0.97	0.16	ND	0.97	10/14/2009	10/16/2009	
Demeton-O	SW846 8141A	9287463	0.97	0.091	ND	0.97	10/14/2009	10/16/2009	
Demeton-S	SW846 8141A	9287463	0.97	0.069	ND	0.97	10/14/2009	10/16/2009	
Diazinon	SW846 8141A	9287463	0.97	0.091	ND	0.97	10/14/2009	10/16/2009	
Dichlorvos	SW846 8141A	9287463	0.97	0.082	ND	0.97	10/14/2009	10/16/2009	
Dimethoate	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Disulfoton	SW846 8141A	9287463	0.97	0.098	ND	0.97	10/14/2009	10/16/2009	
EPN	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Ethoprop	SW846 8141A	9287463	0.97	0.098	ND	0.97	10/14/2009	10/16/2009	
Famphur	SW846 8141A	9287463	0.97	0.12	ND	0.97	10/14/2009	10/16/2009	
Fensulfothion	SW846 8141A	9287463	0.97	0.16	ND	0.97	10/14/2009	10/16/2009	
Fenthion	SW846 8141A	9287463	0.97	0.082	ND	0.97	10/14/2009	10/16/2009	
Malathion	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Methyl parathion	SW846 8141A	9287463	0.97	0.11	ND	0.97	10/14/2009	10/16/2009	
Mevinphos	SW846 8141A	9287463	0.97	0.095	ND	0.97	10/14/2009	10/16/2009	
O,O,O-Triethyl phosphorothioate	SW846 8141A	9287463	0.97	0.097	ND	0.97	10/14/2009	10/16/2009	
Parathion	SW846 8141A	9287463	0.97	0.16	ND	0.97	10/14/2009	10/16/2009	
Phorate	SW846 8141A	9287463	0.97	0.09	ND	0.97	10/14/2009	10/16/2009	
Ronnel	SW846 8141A	9287463	0.97	0.099	ND	0.97	10/14/2009	10/16/2009	
Stirophos	SW846 8141A	9287463	0.97	0.093	ND	0.97	10/14/2009	10/16/2009	
Sulfotepp	SW846 8141A	9287463	0.97	0.092	ND	0.97	10/14/2009	10/16/2009	
Thionazin	SW846 8141A	9287463	0.97	0.097	ND	0.97	10/14/2009	10/16/2009	
Tokuthion	SW846 8141A	9287463	0.97	0.091	ND	0.97	10/14/2009	10/16/2009	
Trichloronate	SW846 8141A	9287463	0.97	0.096	ND	0.97	10/14/2009	10/16/2009	
Surrogate: Tributyl phosphate (49-122%)					*116 %*				
Surrogate: Triphenyl phosphate (45-145%)					*117 %*				

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Project Manager

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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

SW846 8151A

Analyte	Method	Batch	Reporting Limit	MDL	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)									
Reporting Units: ug/L									
2,4,5-TP (Silvex)	SW846 8151A	9289519	0.97	0.1	ND	0.97	10/16/2009	10/20/2009	
2,4-D	SW846 8151A	9289519	3.9	0.44	ND	0.97	10/16/2009	10/20/2009	
Surrogate: DCAA (53-119%)					*36 %*				*
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)									
Reporting Units: ug/L									
2,4,5-TP (Silvex)	SW846 8151A	9288556	0.97	0.1	ND	0.97	10/15/2009	10/21/2009	
2,4-D	SW846 8151A	9288556	3.9	0.44	ND	0.97	10/15/2009	10/21/2009	
Surrogate: DCAA (53-119%)					*74 %*				

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Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

SW846 8290

Analyte	Method	Batch	Reporting Limit	MDL	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-09 (PTI-MW14D-083 - Water)									
Reporting Units: pg/L									
1,2,3,4,6,7,8-HpCDD	SW846 8290	9286421	50	7.4	ND	1	10/13/2009	10/31/2009	
1,2,3,4,6,7,8-HpCDF	SW846 8290	9286421	50		ND	1	10/13/2009	10/31/2009	
1,2,3,4,7,8,9-HpCDF	SW846 8290	9286421	50	9.8	ND	1	10/13/2009	10/31/2009	
1,2,3,4,7,8-HxCDD	SW846 8290	9286421	50	6.5	ND	1	10/13/2009	10/31/2009	
1,2,3,4,7,8-HxCDF	SW846 8290	9286421	50		ND	1	10/13/2009	10/31/2009	
1,2,3,6,7,8-HxCDD	SW846 8290	9286421	50	5.5	ND	1	10/13/2009	10/31/2009	
1,2,3,6,7,8-HxCDF	SW846 8290	9286421	50	7.9	ND	1	10/13/2009	10/31/2009	
1,2,3,7,8,9-HxCDD	SW846 8290	9286421	50	5.6	ND	1	10/13/2009	10/31/2009	
1,2,3,7,8,9-HxCDF	SW846 8290	9286421	50	9.6	ND	1	10/13/2009	10/31/2009	
1,2,3,7,8-PeCDD	SW846 8290	9286421	50	11	ND	1	10/13/2009	10/31/2009	
1,2,3,7,8-PeCDF	SW846 8290	9286421	50	6.7	ND	1	10/13/2009	10/31/2009	
2,3,4,6,7,8-HxCDF	SW846 8290	9286421	50	8.7	ND	1	10/13/2009	10/31/2009	
2,3,4,7,8-PeCDF	SW846 8290	9286421	50	6.9	ND	1	10/13/2009	10/31/2009	
2,3,7,8-TCDD	SW846 8290	9286421	10	3.8	ND	1	10/13/2009	10/31/2009	
2,3,7,8-TCDF	SW846 8290	9286421	10	3.3	**9.8**	1	10/13/2009	10/31/2009	J, B
OCDD	SW846 8290	9286421	100	21	**44**	1	10/13/2009	10/31/2009	J, Q
OCDF	SW846 8290	9286421	100	19	ND	1	10/13/2009	10/31/2009	
Total HpCDD	SW846 8290	9286421	50	7.4	ND	1	10/13/2009	10/31/2009	
Total HpCDF	SW846 8290	9286421	50	9.8	ND	1	10/13/2009	10/31/2009	
Total HxCDD	SW846 8290	9286421	50	6.5	ND	1	10/13/2009	10/31/2009	
Total HxCDF	SW846 8290	9286421	50		ND	1	10/13/2009	10/31/2009	
Total PeCDD	SW846 8290	9286421	50	11	**12**	1	10/13/2009	10/31/2009	
Total PeCDF	SW846 8290	9286421	50	6.8	**9.3**	1	10/13/2009	10/31/2009	
Total TCDD	SW846 8290	9286421	10	3.8	ND	1	10/13/2009	10/31/2009	
Total TCDF	SW846 8290	9286421	10	3.3	**20**	1	10/13/2009	10/31/2009	
Surrogate: 13C-1,2,3,4,6,7,8-HpCDD (40-135%)					*77 %*				
Surrogate: 13C-1,2,3,4,6,7,8-HpCDF (40-135%)					*76 %*				
Surrogate: 13C-1,2,3,4,7,8-HxCDF (40-135%)					*73 %*				
Surrogate: 13C-1,2,3,6,7,8-HxCDD (40-135%)					*93 %*				
Surrogate: 13C-1,2,3,7,8-PeCDD (40-135%)					*61 %*				
Surrogate: 13C-1,2,3,7,8-PeCDF (40-135%)					*63 %*				
Surrogate: 13C-2,3,7,8-TCDD (40-135%)					*73 %*				
Surrogate: 13C-2,3,7,8-TCDF (40-135%)					*68 %*				
Surrogate: 13C-OCDD (40-135%)					*60 %*				

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THE LEADER IN ENVIRONMENTAL TESTING

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

Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

SW846 8290

Analyte	Method	Batch	Reporting Limit	MDL	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: ISJ0843-10 (PTI-MW04A-083 - Water)									
Reporting Units: pg/L									
1,2,3,4,6,7,8-HpCDD	SW846 8290	9286421	51	8.3	ND	1.01	10/13/2009	10/31/2009	
1,2,3,4,6,7,8-HpCDF	SW846 8290	9286421	51		ND	1.01	10/13/2009	10/31/2009	
1,2,3,4,7,8,9-HpCDF	SW846 8290	9286421	51	9.8	ND	1.01	10/13/2009	10/31/2009	
1,2,3,4,7,8-HxCDD	SW846 8290	9286421	51	7.4	ND	1.01	10/13/2009	10/31/2009	
1,2,3,4,7,8-HxCDF	SW846 8290	9286421	51	6.6	ND	1.01	10/13/2009	10/31/2009	
1,2,3,6,7,8-HxCDD	SW846 8290	9286421	51	6.3	ND	1.01	10/13/2009	10/31/2009	
1,2,3,6,7,8-HxCDF	SW846 8290	9286421	51	5.8	ND	1.01	10/13/2009	10/31/2009	
1,2,3,7,8,9-HxCDD	SW846 8290	9286421	51	6.3	ND	1.01	10/13/2009	10/31/2009	
1,2,3,7,8,9-HxCDF	SW846 8290	9286421	51	7.1	ND	1.01	10/13/2009	10/31/2009	
1,2,3,7,8-PeCDD	SW846 8290	9286421	51	10	ND	1.01	10/13/2009	10/31/2009	
1,2,3,7,8-PeCDF	SW846 8290	9286421	51	6.1	ND	1.01	10/13/2009	10/31/2009	
2,3,4,6,7,8-HxCDF	SW846 8290	9286421	51	6.4	ND	1.01	10/13/2009	10/31/2009	
2,3,4,7,8-PeCDF	SW846 8290	9286421	51	6.2	ND	1.01	10/13/2009	10/31/2009	
2,3,7,8-TCDD	SW846 8290	9286421	10	3.5	ND	1.01	10/13/2009	10/31/2009	
2,3,7,8-TCDF	SW846 8290	9286421	10	2.7	ND	1.01	10/13/2009	10/31/2009	
OCDD	SW846 8290	9286421	100	18	ND	1.01	10/13/2009	10/31/2009	
OCDF	SW846 8290	9286421	100	17	ND	1.01	10/13/2009	10/31/2009	
Total HpCDD	SW846 8290	9286421	51	8.3	ND	1.01	10/13/2009	10/31/2009	
Total HpCDF	SW846 8290	9286421	51	9.8	ND	1.01	10/13/2009	10/31/2009	
Total HxCDD	SW846 8290	9286421	51	7.4	ND	1.01	10/13/2009	10/31/2009	
Total HxCDF	SW846 8290	9286421	51	7.1	ND	1.01	10/13/2009	10/31/2009	
Total PeCDD	SW846 8290	9286421	51	10	ND	1.01	10/13/2009	10/31/2009	
Total PeCDF	SW846 8290	9286421	51	6.2	ND	1.01	10/13/2009	10/31/2009	
Total TCDD	SW846 8290	9286421	10	3.5	ND	1.01	10/13/2009	10/31/2009	
Total TCDF	SW846 8290	9286421	10	2.7	ND	1.01	10/13/2009	10/31/2009	
Surrogate: 13C-1,2,3,4,6,7,8-HpCDD (40-135%)					*70 %*				
Surrogate: 13C-1,2,3,4,6,7,8-HpCDF (40-135%)					*71 %*				
Surrogate: 13C-1,2,3,4,7,8-HxCDF (40-135%)					*65 %*				
Surrogate: 13C-1,2,3,6,7,8-HxCDD (40-135%)					*84 %*				
Surrogate: 13C-1,2,3,7,8-PeCDD (40-135%)					*58 %*				
Surrogate: 13C-1,2,3,7,8-PeCDF (40-135%)					*55 %*				
Surrogate: 13C-2,3,7,8-TCDD (40-135%)					*65 %*				
Surrogate: 13C-2,3,7,8-TCDF (40-135%)					*62 %*				
Surrogate: 13C-OCDD (40-135%)					*53 %*				

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW14D-083 (ISJ0843-09) - Water					
EPA 7199	1	10/08/2009 14:40	10/08/2009 19:30	10/08/2009 20:00	10/08/2009 21:59
SM4500-H,B	0	10/08/2009 14:40	10/08/2009 19:30	10/09/2009 08:30	10/09/2009 08:30
Sample ID: PTI-MW04A-083 (ISJ0843-10) - Water					
EPA 7199	1	10/08/2009 16:00	10/08/2009 19:30	10/08/2009 20:00	10/08/2009 22:41
SM4500-H,B	0	10/08/2009 16:00	10/08/2009 19:30	10/09/2009 08:30	10/09/2009 08:30

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J13040 Extracted: 10/13/09										
Blank Analyzed: 10/13/2009 (9J13040-BLK1)										
Acrolein	ND	50	ug/l							
Acrylonitrile	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*27.9*		*ug/l*	*25.0*		*112*	*80-120*			

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Iris Environmental
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J19037 Extracted: 10/19/09										
Blank Analyzed: 10/19/2009 (9J19037-BLK1)										
Acetone	ND	10	ug/l							
Acetonitrile	ND	20	ug/l							
Allyl Chloride	ND	1.0	ug/l							
Benzene	ND	2.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
2-Butanone (MEK)	ND	10	ug/l							
Carbon Disulfide	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
2-Chloro-1,3-butadiene	ND	1.0	ug/l							
Chlorobenzene	ND	2.0	ug/l							
Chloroethane	ND	5.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
Dibromochloromethane	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
trans-1,4-Dichloro-2-butene	ND	10	ug/l							
1,2-Dichlorobenzene	ND	2.0	ug/l							
1,3-Dichlorobenzene	ND	2.0	ug/l							
1,4-Dichlorobenzene	ND	2.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	2.0	ug/l							
1,2-Dichloroethane	ND	2.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
cis-1,2-Dichloroethene	ND	2.0	ug/l							
trans-1,2-Dichloroethene	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
cis-1,3-Dichloropropene	ND	2.0	ug/l							
trans-1,3-Dichloropropene	ND	2.0	ug/l							
Ethylbenzene	ND	2.0	ug/l							
Ethyl Methacrylate	ND	2.0	ug/l							
2-Hexanone	ND	10	ug/l							
Iodomethane	ND	2.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/l							
Methyl Acrylonitrile	ND	2.0	ug/l							

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

Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J19037 Extracted: 10/19/09										
Blank Analyzed: 10/19/2009 (9J19037-BLK1)										
Methylene chloride	ND	5.0	ug/l							
Methyl Methacrylate	ND	2.0	ug/l							
Propionitrile	ND	20	ug/l							
Styrene	ND	2.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l							
Tetrachloroethene	ND	2.0	ug/l							
Toluene	ND	2.0	ug/l							
1,1,1-Trichloroethane	ND	2.0	ug/l							
1,1,2-Trichloroethane	ND	2.0	ug/l							
Trichloroethene	ND	2.0	ug/l							
Trichlorofluoromethane	ND	5.0	ug/l							
Vinyl acetate	ND	5.0	ug/l							
Vinyl chloride	ND	5.0	ug/l							
m,p-Xylenes	ND	2.0	ug/l							
o-Xylene	ND	2.0	ug/l							
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			
LCS Analyzed: 10/19/2009 (9J19037-BS1)										
Acetone	24.2	10	ug/l	25.0		97	30-140			
Benzene	21.6	2.0	ug/l	25.0		86	70-120			
Bromodichloromethane	25.7	2.0	ug/l	25.0		103	70-135			
Bromoform	20.4	5.0	ug/l	25.0		82	55-130			
Bromomethane	27.2	5.0	ug/l	25.0		109	65-140			
2-Butanone (MEK)	23.7	10	ug/l	25.0		95	40-140			
Carbon Disulfide	26.7	5.0	ug/l	25.0		107	50-130			
Carbon tetrachloride	26.1	5.0	ug/l	25.0		104	65-140			
Chlorobenzene	21.9	2.0	ug/l	25.0		88	75-120			
Chloroethane	22.1	5.0	ug/l	25.0		88	60-140			
Chloroform	22.9	2.0	ug/l	25.0		91	70-130			
Chloromethane	19.8	5.0	ug/l	25.0		79	50-140			
Dibromochloromethane	23.6	2.0	ug/l	25.0		94	70-140			
Dibromomethane	23.9	2.0	ug/l	25.0		96	70-125			
1,2-Dichlorobenzene	22.6	2.0	ug/l	25.0		90	75-120			

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Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J19037 Extracted: 10/19/09										
LCS Analyzed: 10/19/2009 (9J19037-BS1)										
1,3-Dichlorobenzene	21.9	2.0	ug/l	25.0		88	75-120			
1,4-Dichlorobenzene	21.6	2.0	ug/l	25.0		86	75-120			
Dichlorodifluoromethane	26.6	5.0	ug/l	25.0		106	35-155			
1,1-Dichloroethane	24.0	2.0	ug/l	25.0		96	70-125			
1,2-Dichloroethane	23.8	2.0	ug/l	25.0		95	60-140			
1,1-Dichloroethene	24.6	5.0	ug/l	25.0		98	70-125			
cis-1,2-Dichloroethene	24.2	2.0	ug/l	25.0		97	70-125			
trans-1,2-Dichloroethene	23.4	2.0	ug/l	25.0		94	70-125			
1,2-Dichloropropane	22.6	2.0	ug/l	25.0		91	70-125			
cis-1,3-Dichloropropene	29.4	2.0	ug/l	25.0		117	75-125			
trans-1,3-Dichloropropene	22.8	2.0	ug/l	25.0		91	70-125			
Ethylbenzene	21.9	2.0	ug/l	25.0		88	75-125			
2-Hexanone	24.0	10	ug/l	25.0		96	45-140			
4-Methyl-2-pentanone (MIBK)	24.7	10	ug/l	25.0		99	45-140			
Methylene chloride	24.0	5.0	ug/l	25.0		96	55-130			
Styrene	23.5	2.0	ug/l	25.0		94	75-130			
1,1,1,2-Tetrachloroethane	25.4	5.0	ug/l	25.0		102	70-130			
1,1,2,2-Tetrachloroethane	23.1	2.0	ug/l	25.0		92	55-130			
Tetrachloroethene	23.4	2.0	ug/l	25.0		93	70-125			
Toluene	21.4	2.0	ug/l	25.0		86	70-120			
1,1,1-Trichloroethane	24.3	2.0	ug/l	25.0		97	65-135			
1,1,2-Trichloroethane	23.5	2.0	ug/l	25.0		94	70-125			
Trichloroethene	23.2	2.0	ug/l	25.0		93	70-125			
Trichlorofluoromethane	24.6	5.0	ug/l	25.0		98	65-145			
Vinyl acetate	20.9	5.0	ug/l	25.0		84	45-145			
Vinyl chloride	22.2	5.0	ug/l	25.0		89	55-135			
m,p-Xylenes	42.6	2.0	ug/l	50.0		85	75-125			
o-Xylene	21.5	2.0	ug/l	25.0		86	75-125			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			

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Project Manager

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1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J19037 Extracted: 10/19/09										
Matrix Spike Analyzed: 10/19/2009 (9J19037-MS1)					**Source: ISJ0984-18**					
Acetone	27.8	10	ug/l	25.0	ND	111	20-150			
Benzene	23.0	2.0	ug/l	25.0	ND	92	65-125			
Bromodichloromethane	27.6	2.0	ug/l	25.0	ND	110	70-135			
Bromoform	23.0	5.0	ug/l	25.0	ND	92	55-135			
Bromomethane	29.3	5.0	ug/l	25.0	ND	117	55-145			
2-Butanone (MEK)	26.3	10	ug/l	25.0	ND	105	30-145			
Carbon Disulfide	28.1	5.0	ug/l	25.0	ND	112	40-140			
Carbon tetrachloride	27.3	5.0	ug/l	25.0	ND	109	65-140			
Chlorobenzene	23.3	2.0	ug/l	25.0	ND	93	75-125			
Chloroethane	25.4	5.0	ug/l	25.0	1.52	95	55-140			
Chloroform	24.8	2.0	ug/l	25.0	ND	99	65-135			
Chloromethane	20.9	5.0	ug/l	25.0	ND	83	45-145			
Dibromochloromethane	25.8	2.0	ug/l	25.0	ND	103	65-140			
Dibromomethane	26.9	2.0	ug/l	25.0	ND	108	65-135			
1,2-Dichlorobenzene	24.6	2.0	ug/l	25.0	0.520	96	75-125			
1,3-Dichlorobenzene	23.3	2.0	ug/l	25.0	ND	93	75-125			
1,4-Dichlorobenzene	23.3	2.0	ug/l	25.0	ND	93	75-125			
Dichlorodifluoromethane	27.5	5.0	ug/l	25.0	ND	110	25-155			
1,1-Dichloroethane	52.6	2.0	ug/l	25.0	27.9	99	65-130			
1,2-Dichloroethane	26.2	2.0	ug/l	25.0	ND	105	60-140			
1,1-Dichloroethene	26.7	5.0	ug/l	25.0	0.820	103	60-130			
cis-1,2-Dichloroethene	28.7	2.0	ug/l	25.0	2.22	106	65-130			
trans-1,2-Dichloroethene	25.3	2.0	ug/l	25.0	ND	101	65-130			
1,2-Dichloropropane	24.3	2.0	ug/l	25.0	ND	97	65-130			
cis-1,3-Dichloropropene	31.4	2.0	ug/l	25.0	ND	126	70-130			
trans-1,3-Dichloropropene	25.1	2.0	ug/l	25.0	ND	100	65-135			
Ethylbenzene	23.4	2.0	ug/l	25.0	ND	94	65-130			
2-Hexanone	27.8	10	ug/l	25.0	ND	111	25-140			
4-Methyl-2-pentanone (MIBK)	28.2	10	ug/l	25.0	ND	113	40-140			
Methylene chloride	26.2	5.0	ug/l	25.0	ND	105	50-135			
Styrene	24.3	2.0	ug/l	25.0	ND	97	50-145			
1,1,1,2-Tetrachloroethane	26.9	5.0	ug/l	25.0	ND	107	65-140			
1,1,2,2-Tetrachloroethane	25.5	2.0	ug/l	25.0	ND	102	55-135			
Tetrachloroethene	24.5	2.0	ug/l	25.0	ND	98	65-130			
Toluene	22.9	2.0	ug/l	25.0	ND	92	70-125			
1,1,1-Trichloroethane	27.4	2.0	ug/l	25.0	ND	110	65-140			

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J19037 Extracted: 10/19/09										
Matrix Spike Analyzed: 10/19/2009 (9J19037-MS1)					**Source: ISJ0984-18**					
1,1,2-Trichloroethane	26.5	2.0	ug/l	25.0	ND	106	65-130			
Trichloroethene	24.8	2.0	ug/l	25.0	0.580	97	65-125			
Trichlorofluoromethane	26.3	5.0	ug/l	25.0	ND	105	60-145			
Vinyl acetate	23.9	5.0	ug/l	25.0	ND	96	40-150			
Vinyl chloride	52.0	5.0	ug/l	25.0	30.9	84	45-140			
m,p-Xylenes	45.3	2.0	ug/l	50.0	ND	91	65-130			
o-Xylene	22.8	2.0	ug/l	25.0	ND	91	65-125			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Matrix Spike Dup Analyzed: 10/19/2009 (9J19037-MSD1)					**Source: ISJ0984-18**					
Acetone	28.9	10	ug/l	25.0	ND	116	20-150	4	35	
Benzene	22.0	2.0	ug/l	25.0	ND	88	65-125	4	20	
Bromodichloromethane	26.5	2.0	ug/l	25.0	ND	106	70-135	4	20	
Bromoform	23.3	5.0	ug/l	25.0	ND	93	55-135	1	25	
Bromomethane	28.2	5.0	ug/l	25.0	ND	113	55-145	4	25	
2-Butanone (MEK)	27.4	10	ug/l	25.0	ND	110	30-145	4	40	
Carbon Disulfide	26.1	5.0	ug/l	25.0	ND	104	40-140	7	20	
Carbon tetrachloride	25.7	5.0	ug/l	25.0	ND	103	65-140	6	25	
Chlorobenzene	22.4	2.0	ug/l	25.0	ND	90	75-125	4	20	
Chloroethane	23.4	5.0	ug/l	25.0	1.52	88	55-140	8	25	
Chloroform	23.6	2.0	ug/l	25.0	ND	94	65-135	5	20	
Chloromethane	19.4	5.0	ug/l	25.0	ND	78	45-145	7	25	
Dibromochloromethane	25.6	2.0	ug/l	25.0	ND	102	65-140	1	25	
Dibromomethane	26.1	2.0	ug/l	25.0	ND	104	65-135	3	25	
1,2-Dichlorobenzene	24.0	2.0	ug/l	25.0	0.520	94	75-125	2	20	
1,3-Dichlorobenzene	22.7	2.0	ug/l	25.0	ND	91	75-125	3	20	
1,4-Dichlorobenzene	22.9	2.0	ug/l	25.0	ND	92	75-125	2	20	
Dichlorodifluoromethane	25.5	5.0	ug/l	25.0	ND	102	25-155	8	30	
1,1-Dichloroethane	49.6	2.0	ug/l	25.0	27.9	87	65-130	6	20	
1,2-Dichloroethane	25.5	2.0	ug/l	25.0	ND	102	60-140	3	20	
1,1-Dichloroethene	25.2	5.0	ug/l	25.0	0.820	97	60-130	6	20	
cis-1,2-Dichloroethene	26.8	2.0	ug/l	25.0	2.22	98	65-130	7	20	
trans-1,2-Dichloroethene	23.6	2.0	ug/l	25.0	ND	95	65-130	7	20	
1,2-Dichloropropane	23.5	2.0	ug/l	25.0	ND	94	65-130	4	20	

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J19037 Extracted: 10/19/09										
Matrix Spike Dup Analyzed: 10/19/2009 (9J19037-MSD1)					**Source: ISJ0984-18**					
cis-1,3-Dichloropropene	30.1	2.0	ug/l	25.0	ND	120	70-130	4	20	
trans-1,3-Dichloropropene	24.8	2.0	ug/l	25.0	ND	99	65-135	1	25	
Ethylbenzene	22.4	2.0	ug/l	25.0	ND	90	65-130	4	20	
2-Hexanone	27.9	10	ug/l	25.0	ND	111	25-140	0	35	
4-Methyl-2-pentanone (MIBK)	28.9	10	ug/l	25.0	ND	115	40-140	2	35	
Methylene chloride	24.4	5.0	ug/l	25.0	ND	98	50-135	7	20	
Styrene	22.5	2.0	ug/l	25.0	ND	90	50-145	8	30	
1,1,1,2-Tetrachloroethane	26.2	5.0	ug/l	25.0	ND	105	65-140	3	20	
1,1,2,2-Tetrachloroethane	25.7	2.0	ug/l	25.0	ND	103	55-135	1	30	
Tetrachloroethene	23.8	2.0	ug/l	25.0	ND	95	65-130	3	20	
Toluene	22.1	2.0	ug/l	25.0	ND	88	70-125	4	20	
1,1,1-Trichloroethane	24.8	2.0	ug/l	25.0	ND	99	65-140	10	20	
1,1,2-Trichloroethane	25.9	2.0	ug/l	25.0	ND	104	65-130	2	25	
Trichloroethene	24.2	2.0	ug/l	25.0	0.580	94	65-125	2	20	
Trichlorofluoromethane	24.4	5.0	ug/l	25.0	ND	98	60-145	7	25	
Vinyl acetate	23.2	5.0	ug/l	25.0	ND	93	40-150	3	30	
Vinyl chloride	48.4	5.0	ug/l	25.0	30.9	70	45-140	7	30	
m,p-Xylenes	42.9	2.0	ug/l	50.0	ND	86	65-130	6	25	
o-Xylene	21.6	2.0	ug/l	25.0	ND	86	65-125	5	20	
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Dibromofluoromethane	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Batch: 9J20030 Extracted: 10/20/09										
Blank Analyzed: 10/20/2009 (9J20030-BLK1)										
Isobutanol (2-Methyl-1-Propanol)	ND	20	ug/l							
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Dibromofluoromethane	*28.9*		*ug/l*	*25.0*		*115*	*80-120*			
Surrogate: Toluene-d8	*28.3*		*ug/l*	*25.0*		*113*	*80-120*			

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J20030 Extracted: 10/20/09										
LCS Analyzed: 10/20/2009 (9J20030-BS1)										
Surrogate: 4-Bromofluorobenzene	*28.9*		*ug/l*	*25.0*		*116*	*80-120*			
Surrogate: Dibromofluoromethane	*28.5*		*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*29.6*		*ug/l*	*25.0*		*119*	*80-120*			
Matrix Spike Analyzed: 10/20/2009 (9J20030-MS1)					**Source: ISJ1151-20**					
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Dibromofluoromethane	*29.1*		*ug/l*	*25.0*		*117*	*80-120*			
Surrogate: Toluene-d8	*29.2*		*ug/l*	*25.0*		*117*	*80-120*			
Matrix Spike Dup Analyzed: 10/20/2009 (9J20030-MSD1)					**Source: ISJ1151-20**					
Surrogate: 4-Bromofluorobenzene	*28.3*		*ug/l*	*25.0*		*113*	*80-120*			
Surrogate: Dibromofluoromethane	*28.8*		*ug/l*	*25.0*		*115*	*80-120*			
Surrogate: Toluene-d8	*28.2*		*ug/l*	*25.0*		*113*	*80-120*			
Batch: 9J21032 Extracted: 10/21/09										
Blank Analyzed: 10/21/2009 (9J21032-BLK1)										
Isobutanol (2-Methyl-1-Propanol)	ND	20	ug/l							
Surrogate: 4-Bromofluorobenzene	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Dibromofluoromethane	*28.9*		*ug/l*	*25.0*		*116*	*80-120*			
Surrogate: Toluene-d8	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			

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Iris Environmental
1438 Webster Street, Suite 302
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
Blank Analyzed: 10/15/2009 (9J12099-BLK1)										
a,a-Dimethylphenethylamine	ND	120	ug/l							
Acenaphthene	ND	10	ug/l							
Acenaphthylene	ND	10	ug/l							
Acetophenone	ND	10	ug/l							
2-Acetylaminofluorene	ND	10	ug/l							
4-Aminobiphenyl	ND	15	ug/l							
Aniline	ND	10	ug/l							
Anthracene	ND	10	ug/l							
Aramite	ND	15	ug/l							
Benzo(a)anthracene	ND	10	ug/l							
Benzo(a)pyrene	ND	10	ug/l							
Benzo(b)fluoranthene	ND	10	ug/l							
Benzo(g,h,i)perylene	ND	10	ug/l							
Benzo(k)fluoranthene	ND	10	ug/l							
Benzyl alcohol	ND	20	ug/l							
4-Bromophenyl phenyl ether	ND	10	ug/l							
Butyl benzyl phthalate	ND	20	ug/l							
Carbazole	ND	20	ug/l							
4-Chloro-3-methylphenol	ND	20	ug/l							
4-Chloroaniline	ND	10	ug/l							
Chlorobenzilate	ND	10	ug/l							
Bis(2-chloroethoxy)methane	ND	10	ug/l							
Bis(2-chloroethyl)ether	ND	10	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	ug/l							
2-Chloronaphthalene	ND	10	ug/l							
2-Chlorophenol	ND	10	ug/l							
4-Chlorophenyl phenyl ether	ND	10	ug/l							
Chrysene	ND	10	ug/l							
Diallate	ND	15	ug/l							
Dibenz(a,h)anthracene	ND	20	ug/l							
Dibenzofuran	ND	10	ug/l							
Di-n-butyl phthalate	ND	20	ug/l							
1,2-Dichlorobenzene	ND	10	ug/l							
1,3-Dichlorobenzene	ND	10	ug/l							
1,4-Dichlorobenzene	ND	10	ug/l							
3,3'-Dichlorobenzidine	ND	20	ug/l							

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1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
Blank Analyzed: 10/15/2009 (9J12099-BLK1)										
2,4-Dichlorophenol	ND	10	ug/l							
2,6-Dichlorophenol	ND	15	ug/l							
Diethyl phthalate	ND	10	ug/l							
Dimethoate	ND	15	ug/l							
Dimethylaminoazobenzene	ND	10	ug/l							
7,12-Dimethylbenz[a]anthracene	ND	10	ug/l							
3,3-Dimethylbenzidine	ND	25	ug/l							
2,4-Dimethylphenol	ND	20	ug/l							
Dimethyl phthalate	ND	10	ug/l							
4,6-Dinitro-2-methylphenol	ND	20	ug/l							
1,3-Dinitrobenzene	ND	50	ug/l							
2,4-Dinitrophenol	ND	20	ug/l							
2,4-Dinitrotoluene	ND	10	ug/l							
2,6-Dinitrotoluene	ND	10	ug/l							
Dinoseb	ND	10	ug/l							
Di-n-octyl phthalate	ND	20	ug/l							
Diphenylamine	ND	10	ug/l							
Disulfoton	ND	10	ug/l							
Bis(2-ethylhexyl)phthalate	ND	50	ug/l							
Ethyl methanesulfonate	ND	10	ug/l							
Ethyl Parathion	ND	10	ug/l							
Famphur	ND	100	ug/l							
Fluoranthene	ND	10	ug/l							
Fluorene	ND	10	ug/l							
Hexachlorobenzene	ND	10	ug/l							
Hexachlorobutadiene	ND	10	ug/l							
Hexachlorocyclopentadiene	ND	20	ug/l							
Hexachloroethane	ND	10	ug/l							
Hexachlorophene	ND	300	ug/l							
Hexachloropropene	ND	25	ug/l							
Indeno(1,2,3-cd)pyrene	ND	20	ug/l							
Isodrin	ND	10	ug/l							
Isophorone	ND	10	ug/l							
Isosafrole	ND	15	ug/l							
Kepone	ND	100	ug/l							
Methapyrilene	ND	20	ug/l							

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Project ID: PTI, Phibro-Tech, Inc., App. IX
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Report Number: ISJ0843

Sampled: 10/08/09
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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
Blank Analyzed: 10/15/2009 (9J12099-BLK1)										
3-Methylcholanthrene	ND	10	ug/l							
Methyl methanesulfonate	ND	15	ug/l							
2-Methylnaphthalene	ND	10	ug/l							
Methyl Parathion	ND	10	ug/l							
2-Methylphenol	ND	10	ug/l							
3/4-Methylphenol	ND	20	ug/l							
Naphthalene	ND	10	ug/l							
1,4-Naphthoquinone	ND	10	ug/l							
1-Naphthylamine	ND	15	ug/l							
2-Naphthylamine	ND	10	ug/l							
2-Nitroaniline	ND	20	ug/l							
3-Nitroaniline	ND	20	ug/l							
4-Nitroaniline	ND	20	ug/l							
Nitrobenzene	ND	20	ug/l							
2-Nitrophenol	ND	10	ug/l							
4-Nitrophenol	ND	20	ug/l							
4-Nitroquinoline N-Oxide	ND	10	ug/l							
N-Nitrosodi-n-butylamine	ND	10	ug/l							
N-Nitrosodiethylamine	ND	10	ug/l							
N-Nitrosodimethylamine	ND	20	ug/l							
N-Nitrosodiphenylamine	ND	10	ug/l							
N-Nitroso-di-n-propylamine	ND	10	ug/l							
N-Nitrosomethylethylamine	ND	10	ug/l							
N-Nitrosomorpholine	ND	10	ug/l							
N-Nitrosopiperidine	ND	10	ug/l							
N-Nitrosopyrrolidine	ND	10	ug/l							
5-Nitro-o-toluidine	ND	10	ug/l							
O,O,O-Triethylphosphorothioate	ND	15	ug/l							
Pentachlorobenzene	ND	10	ug/l							
Pentachloroethane	ND	10	ug/l							
Pentachloronitrobenzene	ND	10	ug/l							
Pentachlorophenol	ND	20	ug/l							
Phenacetin	ND	10	ug/l							
Phenanthrene	ND	10	ug/l							
Phenol	ND	10	ug/l							
1,4-Phenylenediamine	ND	60	ug/l							

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
Blank Analyzed: 10/15/2009 (9J12099-BLK1)										
Phorate	ND	10	ug/l							
2-Picoline	ND	10	ug/l							
Pronamide	ND	15	ug/l							
Pyrene	ND	10	ug/l							
Pyridine	ND	20	ug/l							
Safrole	ND	10	ug/l							
Sulfotep	ND	10	ug/l							
1,2,4,5-Tetrachlorobenzene	ND	10	ug/l							
2,3,4,6-Tetrachlorophenol	ND	15	ug/l							
Thionazin	ND	10	ug/l							
o-Toluidine	ND	10	ug/l							
1,2,4-Trichlorobenzene	ND	10	ug/l							
2,4,5-Trichlorophenol	ND	20	ug/l							
2,4,6-Trichlorophenol	ND	20	ug/l							
1,3,5-Trinitrobenzene	ND	10	ug/l							
Surrogate: 2-Fluorobiphenyl	*83.0*		*ug/l*	*100*		*83*	*50-120*			
Surrogate: 2-Fluorophenol	*153*		*ug/l*	*200*		*76*	*30-120*			
Surrogate: Nitrobenzene-d5	*82.5*		*ug/l*	*100*		*83*	*45-120*			
Surrogate: Phenol-d6	*156*		*ug/l*	*200*		*78*	*35-120*			
Surrogate: Terphenyl-d14	*83.1*		*ug/l*	*100*		*83*	*50-125*			
Surrogate: 2,4,6-Tribromophenol	*196*		*ug/l*	*200*		*98*	*40-120*			
LCS Analyzed: 10/15/2009 (9J12099-BS1)										**MNR1**
Acenaphthene	68.9	10	ug/l	100		69	60-120			
Acenaphthylene	66.5	10	ug/l	100		66	60-120			
Aniline	93.0	10	ug/l	100		93	35-120			
Anthracene	81.8	10	ug/l	100		82	65-120			
Benzo(a)anthracene	79.1	10	ug/l	100		79	65-120			
Benzo(a)pyrene	83.1	10	ug/l	100		83	55-130			
Benzo(b)fluoranthene	84.4	10	ug/l	100		84	55-125			
Benzo(g,h,i)perylene	71.6	10	ug/l	100		72	45-135			
Benzo(k)fluoranthene	84.5	10	ug/l	100		85	50-125			
Benzyl alcohol	68.7	20	ug/l	100		69	50-120			
4-Bromophenyl phenyl ether	77.0	10	ug/l	100		77	60-120			
Butyl benzyl phthalate	85.7	20	ug/l	100		86	55-130			
Carbazole	85.3	20	ug/l	100		85	55-125			

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

Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
LCS Analyzed: 10/15/2009 (9J12099-BS1)										**MNR1**
4-Chloro-3-methylphenol	75.1	20	ug/l	100		75	60-120			
4-Chloroaniline	78.5	10	ug/l	100		78	55-120			
Bis(2-chloroethoxy)methane	66.4	10	ug/l	100		66	55-120			
Bis(2-chloroethyl)ether	57.4	10	ug/l	100		57	50-120			
Bis(2-chloroisopropyl)ether	61.2	10	ug/l	100		61	45-120			
2-Chloronaphthalene	63.6	10	ug/l	100		64	60-120			
2-Chlorophenol	65.1	10	ug/l	100		65	45-120			
4-Chlorophenyl phenyl ether	76.8	10	ug/l	100		77	65-120			
Chrysene	78.6	10	ug/l	100		79	65-120			
Dibenz(a,h)anthracene	83.0	20	ug/l	100		83	50-135			
Dibenzofuran	71.7	10	ug/l	100		72	65-120			
Di-n-butyl phthalate	90.8	20	ug/l	100		91	60-125			
1,2-Dichlorobenzene	59.4	10	ug/l	100		59	40-120			
1,3-Dichlorobenzene	55.0	10	ug/l	100		55	35-120			
1,4-Dichlorobenzene	56.8	10	ug/l	100		57	35-120			
3,3'-Dichlorobenzidine	73.4	20	ug/l	100		73	45-135			
2,4-Dichlorophenol	67.9	10	ug/l	100		68	55-120			
Diethyl phthalate	82.7	10	ug/l	100		83	55-120			
2,4-Dimethylphenol	57.1	20	ug/l	100		57	40-120			
Dimethyl phthalate	75.9	10	ug/l	100		76	30-120			
4,6-Dinitro-2-methylphenol	86.1	20	ug/l	100		86	45-120			
2,4-Dinitrophenol	72.1	20	ug/l	100		72	40-120			
2,4-Dinitrotoluene	91.1	10	ug/l	100		91	65-120			
2,6-Dinitrotoluene	79.0	10	ug/l	100		79	65-120			
Di-n-octyl phthalate	84.3	20	ug/l	100		84	65-135			
Bis(2-ethylhexyl)phthalate	90.6	50	ug/l	100		91	65-130			
Fluoranthene	85.9	10	ug/l	100		86	60-120			
Fluorene	77.2	10	ug/l	100		77	65-120			
Hexachlorobenzene	79.6	10	ug/l	100		80	60-120			
Hexachlorobutadiene	58.2	10	ug/l	100		58	40-120			
Hexachlorocyclopentadiene	38.2	20	ug/l	100		38	25-120			
Hexachloroethane	51.6	10	ug/l	100		52	35-120			
Indeno(1,2,3-cd)pyrene	84.3	20	ug/l	100		84	45-135			
Isophorone	69.2	10	ug/l	100		69	50-120			
2-Methylnaphthalene	70.5	10	ug/l	100		71	55-120			
2-Methylphenol	65.4	10	ug/l	100		65	50-120			

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
LCS Analyzed: 10/15/2009 (9J12099-BS1)										**MNR1**
Naphthalene	66.0	10	ug/l	100		66	55-120			
2-Nitroaniline	73.8	20	ug/l	100		74	65-120			
3-Nitroaniline	84.0	20	ug/l	100		84	60-120			
4-Nitroaniline	85.6	20	ug/l	100		86	55-125			
Nitrobenzene	66.5	20	ug/l	100		67	55-120			
2-Nitrophenol	67.0	10	ug/l	100		67	50-120			
4-Nitrophenol	73.0	20	ug/l	100		73	45-120			
N-Nitrosodimethylamine	61.1	20	ug/l	100		61	45-120			
N-Nitrosodiphenylamine	75.1	10	ug/l	100		75	60-120			
N-Nitroso-di-n-propylamine	70.2	10	ug/l	100		70	45-120			
Pentachlorophenol	68.2	20	ug/l	100		68	50-120			
Phenanthrene	81.1	10	ug/l	100		81	65-120			
Phenol	70.1	10	ug/l	100		70	40-120			
Pyrene	75.5	10	ug/l	100		76	55-125			
Pyridine	56.9	20	ug/l	100		57	30-120			
1,2,4-Trichlorobenzene	60.8	10	ug/l	100		61	45-120			
2,4,5-Trichlorophenol	67.5	20	ug/l	100		67	55-120			
2,4,6-Trichlorophenol	65.5	20	ug/l	100		66	55-120			
Surrogate: 2-Fluorobiphenyl	*62.9*		*ug/l*	*100*		*63*	*50-120*			
Surrogate: 2-Fluorophenol	*119*		*ug/l*	*200*		*59*	*30-120*			
Surrogate: Nitrobenzene-d5	*64.9*		*ug/l*	*100*		*65*	*45-120*			
Surrogate: Phenol-d6	*129*		*ug/l*	*200*		*65*	*35-120*			
Surrogate: Terphenyl-d14	*73.9*		*ug/l*	*100*		*74*	*50-125*			
Surrogate: 2,4,6-Tribromophenol	*165*		*ug/l*	*200*		*82*	*40-120*			
LCS Dup Analyzed: 10/15/2009 (9J12099-BSD1)										
Acenaphthene	64.5	10	ug/l	100		65	60-120	6	20	
Acenaphthylene	62.1	10	ug/l	100		62	60-120	7	20	
Aniline	79.1	10	ug/l	100		79	35-120	16	30	
Anthracene	70.7	10	ug/l	100		71	65-120	15	20	
Benzo(a)anthracene	67.4	10	ug/l	100		67	65-120	16	20	
Benzo(a)pyrene	70.7	10	ug/l	100		71	55-130	16	25	
Benzo(b)fluoranthene	69.0	10	ug/l	100		69	55-125	20	25	
Benzo(g,h,i)perylene	63.5	10	ug/l	100		63	45-135	12	25	
Benzo(k)fluoranthene	75.2	10	ug/l	100		75	50-125	12	20	
Benzyl alcohol	63.6	20	ug/l	100		64	50-120	8	20	

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
LCS Dup Analyzed: 10/15/2009 (9J12099-BSD1)										
4-Bromophenyl phenyl ether	65.2	10	ug/l	100		65	60-120	17	25	
Butyl benzyl phthalate	71.7	20	ug/l	100		72	55-130	18	20	
Carbazole	74.0	20	ug/l	100		74	55-125	14	20	
4-Chloro-3-methylphenol	66.9	20	ug/l	100		67	60-120	11	25	
4-Chloroaniline	70.6	10	ug/l	100		71	55-120	11	25	
Bis(2-chloroethoxy)methane	62.3	10	ug/l	100		62	55-120	6	20	
Bis(2-chloroethyl)ether	53.7	10	ug/l	100		54	50-120	7	20	
Bis(2-chloroisopropyl)ether	57.3	10	ug/l	100		57	45-120	7	20	
2-Chloronaphthalene	60.5	10	ug/l	100		60	60-120	5	20	
2-Chlorophenol	62.2	10	ug/l	100		62	45-120	5	25	
4-Chlorophenyl phenyl ether	70.5	10	ug/l	100		71	65-120	8	20	
Chrysene	67.2	10	ug/l	100		67	65-120	16	20	
Dibenz(a,h)anthracene	73.0	20	ug/l	100		73	50-135	13	25	
Dibenzofuran	66.6	10	ug/l	100		67	65-120	7	20	
Di-n-butyl phthalate	77.2	20	ug/l	100		77	60-125	16	20	
1,2-Dichlorobenzene	56.3	10	ug/l	100		56	40-120	5	25	
1,3-Dichlorobenzene	54.3	10	ug/l	100		54	35-120	1	25	
1,4-Dichlorobenzene	55.1	10	ug/l	100		55	35-120	3	25	
3,3'-Dichlorobenzidine	65.3	20	ug/l	100		65	45-135	12	25	
2,4-Dichlorophenol	64.3	10	ug/l	100		64	55-120	6	20	
Diethyl phthalate	72.6	10	ug/l	100		73	55-120	13	30	
2,4-Dimethylphenol	53.7	20	ug/l	100		54	40-120	6	25	
Dimethyl phthalate	67.1	10	ug/l	100		67	30-120	12	30	
4,6-Dinitro-2-methylphenol	72.3	20	ug/l	100		72	45-120	18	25	
2,4-Dinitrophenol	61.1	20	ug/l	100		61	40-120	17	25	
2,4-Dinitrotoluene	81.4	10	ug/l	100		81	65-120	11	20	
2,6-Dinitrotoluene	70.5	10	ug/l	100		71	65-120	11	20	
Di-n-octyl phthalate	70.8	20	ug/l	100		71	65-135	17	20	
Bis(2-ethylhexyl)phthalate	76.2	50	ug/l	100		76	65-130	17	20	
Fluoranthene	75.0	10	ug/l	100		75	60-120	13	20	
Fluorene	71.2	10	ug/l	100		71	65-120	8	20	
Hexachlorobenzene	67.7	10	ug/l	100		68	60-120	16	20	
Hexachlorobutadiene	56.6	10	ug/l	100		57	40-120	3	25	
Hexachlorocyclopentadiene	37.6	20	ug/l	100		38	25-120	2	30	
Hexachloroethane	51.2	10	ug/l	100		51	35-120	1	25	
Indeno(1,2,3-cd)pyrene	71.7	20	ug/l	100		72	45-135	16	25	

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Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12099 Extracted: 10/12/09										
LCS Dup Analyzed: 10/15/2009 (9J12099-BSD1)										
Isophorone	63.7	10	ug/l	100		64	50-120	8	20	
2-Methylnaphthalene	64.5	10	ug/l	100		64	55-120	9	20	
2-Methylphenol	61.4	10	ug/l	100		61	50-120	6	20	
Naphthalene	62.7	10	ug/l	100		63	55-120	5	20	
2-Nitroaniline	67.6	20	ug/l	100		68	65-120	9	20	
3-Nitroaniline	74.9	20	ug/l	100		75	60-120	12	25	
4-Nitroaniline	78.0	20	ug/l	100		78	55-125	9	20	
Nitrobenzene	64.0	20	ug/l	100		64	55-120	4	25	
2-Nitrophenol	63.6	10	ug/l	100		64	50-120	5	25	
4-Nitrophenol	67.5	20	ug/l	100		68	45-120	8	30	
N-Nitrosodimethylamine	59.6	20	ug/l	100		60	45-120	2	20	
N-Nitrosodiphenylamine	63.5	10	ug/l	100		64	60-120	17	20	
N-Nitroso-di-n-propylamine	63.7	10	ug/l	100		64	45-120	10	20	
Pentachlorophenol	58.7	20	ug/l	100		59	50-120	15	25	
Phenanthrene	70.1	10	ug/l	100		70	65-120	14	20	
Phenol	65.9	10	ug/l	100		66	40-120	6	25	
Pyrene	63.9	10	ug/l	100		64	55-125	17	25	
Pyridine	48.9	20	ug/l	100		49	30-120	15	30	
1,2,4-Trichlorobenzene	58.4	10	ug/l	100		58	45-120	4	20	
2,4,5-Trichlorophenol	63.6	20	ug/l	100		64	55-120	6	30	
2,4,6-Trichlorophenol	60.9	20	ug/l	100		61	55-120	7	30	
Surrogate: 2-Fluorobiphenyl	*59.7*		*ug/l*	*100*		*60*	*50-120*			
Surrogate: 2-Fluorophenol	*114*		*ug/l*	*200*		*57*	*30-120*			
Surrogate: Nitrobenzene-d5	*62.1*		*ug/l*	*100*		*62*	*45-120*			
Surrogate: Phenol-d6	*123*		*ug/l*	*200*		*61*	*35-120*			
Surrogate: Terphenyl-d14	*61.8*		*ug/l*	*100*		*62*	*50-125*			
Surrogate: 2,4,6-Tribromophenol	*141*		*ug/l*	*200*		*70*	*40-120*			

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12093 Extracted: 10/12/09										
Blank Analyzed: 10/13/2009 (9J12093-BLK1)										
1,4-Dioxane	ND	0.50	ug/l							
Surrogate: 1,4-Dioxane-d8	*1.48*		*ug/l*	*2.00*		*74*	*30-120*			
LCS Analyzed: 10/13/2009 (9J12093-BS1)										**MNR1**
1,4-Dioxane	1.21	0.50	ug/l	2.00		61	35-120			
Surrogate: 1,4-Dioxane-d8	*1.35*		*ug/l*	*2.00*		*67*	*30-120*			
LCS Dup Analyzed: 10/13/2009 (9J12093-BSD1)										
1,4-Dioxane	1.26	0.50	ug/l	2.00		63	35-120	4	25	
Surrogate: 1,4-Dioxane-d8	*1.39*		*ug/l*	*2.00*		*70*	*30-120*			

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12012 Extracted: 10/12/09										
Blank Analyzed: 10/13/2009 (9J12012-BLK1)										
4,4'-DDD	ND	0.10	ug/l							
4,4'-DDE	ND	0.10	ug/l							
4,4'-DDT	ND	0.10	ug/l							
Aldrin	ND	0.10	ug/l							
alpha-BHC	ND	0.10	ug/l							
beta-BHC	ND	0.10	ug/l							
delta-BHC	ND	0.20	ug/l							
Dieldrin	ND	0.10	ug/l							
Endosulfan I	ND	0.10	ug/l							
Endosulfan II	ND	0.10	ug/l							
Endosulfan sulfate	ND	0.20	ug/l							
Endrin	ND	0.10	ug/l							
Endrin aldehyde	ND	0.10	ug/l							
Endrin ketone	ND	0.10	ug/l							
gamma-BHC (Lindane)	ND	0.10	ug/l							
Heptachlor	ND	0.10	ug/l							
Heptachlor epoxide	ND	0.10	ug/l							
Methoxychlor	ND	0.10	ug/l							
Chlordane	ND	1.0	ug/l							
Toxaphene	ND	5.0	ug/l							
Surrogate: Decachlorobiphenyl	*0.414*		*ug/l*	*0.500*		*83*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.280*		*ug/l*	*0.500*		*56*	*35-115*			
LCS Analyzed: 10/14/2009 (9J12012-BS1)										**MNR1**
4,4'-DDD	0.438	0.10	ug/l	0.500		88	55-120			
4,4'-DDE	0.349	0.10	ug/l	0.500		70	50-120			
4,4'-DDT	0.435	0.10	ug/l	0.500		87	55-120			
Aldrin	0.237	0.10	ug/l	0.500		47	40-115			
alpha-BHC	0.241	0.10	ug/l	0.500		48	45-115			
beta-BHC	0.305	0.10	ug/l	0.500		61	55-115			
delta-BHC	0.327	0.20	ug/l	0.500		65	55-115			
Dieldrin	0.344	0.10	ug/l	0.500		69	55-115			
Endosulfan I	0.319	0.10	ug/l	0.500		64	55-115			
Endosulfan II	0.374	0.10	ug/l	0.500		75	55-120			
Endosulfan sulfate	0.418	0.20	ug/l	0.500		84	60-120			
Endrin	0.352	0.10	ug/l	0.500		70	55-115			

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12012 Extracted: 10/12/09										
LCS Analyzed: 10/14/2009 (9J12012-BS1)										**MNR1**
Endrin aldehyde	0.403	0.10	ug/l	0.500		81	50-120			
Endrin ketone	0.430	0.10	ug/l	0.500		86	55-120			
gamma-BHC (Lindane)	0.256	0.10	ug/l	0.500		51	45-115			
Heptachlor	0.272	0.10	ug/l	0.500		54	45-115			
Heptachlor epoxide	0.308	0.10	ug/l	0.500		62	55-115			
Methoxychlor	0.413	0.10	ug/l	0.500		83	60-120			
Surrogate: Decachlorobiphenyl	*0.399*		*ug/l*	*0.500*		*80*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.249*		*ug/l*	*0.500*		*50*	*35-115*			
LCS Dup Analyzed: 10/14/2009 (9J12012-BSD1)										
4,4'-DDD	0.477	0.10	ug/l	0.500		95	55-120	9	30	
4,4'-DDE	0.402	0.10	ug/l	0.500		80	50-120	14	30	
4,4'-DDT	0.473	0.10	ug/l	0.500		95	55-120	8	30	
Aldrin	0.323	0.10	ug/l	0.500		65	40-115	31	30	*R-7*
alpha-BHC	0.324	0.10	ug/l	0.500		65	45-115	30	30	
beta-BHC	0.376	0.10	ug/l	0.500		75	55-115	21	30	
delta-BHC	0.405	0.20	ug/l	0.500		81	55-115	21	30	
Dieldrin	0.415	0.10	ug/l	0.500		83	55-115	19	30	
Endosulfan I	0.397	0.10	ug/l	0.500		79	55-115	22	30	
Endosulfan II	0.414	0.10	ug/l	0.500		83	55-120	10	30	
Endosulfan sulfate	0.450	0.20	ug/l	0.500		90	60-120	7	30	
Endrin	0.417	0.10	ug/l	0.500		83	55-115	17	30	
Endrin aldehyde	0.437	0.10	ug/l	0.500		87	50-120	8	30	
Endrin ketone	0.458	0.10	ug/l	0.500		92	55-120	6	30	
gamma-BHC (Lindane)	0.343	0.10	ug/l	0.500		69	45-115	29	30	
Heptachlor	0.373	0.10	ug/l	0.500		75	45-115	31	30	*R-7*
Heptachlor epoxide	0.395	0.10	ug/l	0.500		79	55-115	25	30	
Methoxychlor	0.441	0.10	ug/l	0.500		88	60-120	7	30	
Surrogate: Decachlorobiphenyl	*0.426*		*ug/l*	*0.500*		*85*	*45-120*			
Surrogate: Tetrachloro-m-xylene	*0.328*		*ug/l*	*0.500*		*66*	*35-115*			

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J13077 Extracted: 10/13/09										
Blank Analyzed: 10/15/2009 (9J13077-BLK1)										
Aroclor 1016	ND	1.0	ug/l							
Aroclor 1221	ND	1.0	ug/l							
Aroclor 1232	ND	1.0	ug/l							
Aroclor 1242	ND	1.0	ug/l							
Aroclor 1248	ND	1.0	ug/l							
Aroclor 1254	ND	1.0	ug/l							
Aroclor 1260	ND	1.0	ug/l							
Surrogate: Decachlorobiphenyl	*0.412*		*ug/l*	*0.500*		*82*	*45-120*			
LCS Analyzed: 10/15/2009 (9J13077-BS1)										**MNR1**
Aroclor 1016	3.12	1.0	ug/l	4.00		78	50-115			
Aroclor 1260	3.19	1.0	ug/l	4.00		80	60-120			
Surrogate: Decachlorobiphenyl	*0.413*		*ug/l*	*0.500*		*83*	*45-120*			
LCS Dup Analyzed: 10/13/2009 (9J13077-BSD1)										
Aroclor 1016	3.00	1.0	ug/l	4.00		75	50-115	4	30	
Aroclor 1260	3.07	1.0	ug/l	4.00		77	60-120	4	25	
Surrogate: Decachlorobiphenyl	*0.402*		*ug/l*	*0.500*		*80*	*45-120*			

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06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
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METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12077 Extracted: 10/12/09										
Blank Analyzed: 10/16/2009-10/17/2009 (9J12077-BLK1)										
Antimony	ND	0.010	mg/l							
Arsenic	ND	0.010	mg/l							
Barium	ND	0.010	mg/l							
Beryllium	ND	0.0040	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Cobalt	ND	0.010	mg/l							
Copper	ND	0.010	mg/l							
Lead	ND	0.0050	mg/l							
Molybdenum	ND	0.020	mg/l							
Nickel	ND	0.010	mg/l							
Selenium	ND	0.010	mg/l							
Silver	ND	0.010	mg/l							
Thallium	ND	0.010	mg/l							
Vanadium	ND	0.010	mg/l							
Zinc	ND	0.020	mg/l							
LCS Analyzed: 10/16/2009-10/17/2009 (9J12077-BS1)										
Antimony	0.941	0.010	mg/l	1.00		94	80-120			
Arsenic	1.00	0.010	mg/l	1.00		100	80-120			
Barium	0.974	0.010	mg/l	1.00		97	80-120			
Beryllium	0.976	0.0040	mg/l	1.00		98	80-120			
Cadmium	0.934	0.0050	mg/l	1.00		93	80-120			
Chromium	0.944	0.0050	mg/l	1.00		94	80-120			
Cobalt	0.917	0.010	mg/l	1.00		92	80-120			
Copper	0.972	0.010	mg/l	1.00		97	80-120			
Lead	0.941	0.0050	mg/l	1.00		94	80-120			
Molybdenum	0.927	0.020	mg/l	1.00		93	80-120			
Nickel	0.942	0.010	mg/l	1.00		94	80-120			
Selenium	0.989	0.010	mg/l	1.00		99	80-120			
Silver	0.479	0.010	mg/l	0.500		96	80-120			
Thallium	0.940	0.010	mg/l	1.00		94	80-120			
Vanadium	0.949	0.010	mg/l	1.00		95	80-120			
Zinc	0.956	0.020	mg/l	1.00		96	80-120			

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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J12077 Extracted: 10/12/09										
Matrix Spike Analyzed: 10/16/2009-10/17/2009 (9J12077-MS1)					**Source: ISJ0843-02**					
Antimony	0.960	0.010	mg/l	1.00	ND	96	75-125			
Arsenic	1.04	0.010	mg/l	1.00	0.0102	103	75-125			
Barium	1.04	0.010	mg/l	1.00	0.0543	98	75-125			
Beryllium	0.979	0.0040	mg/l	1.00	ND	98	75-125			
Cadmium	0.932	0.0050	mg/l	1.00	ND	93	75-125			
Chromium	0.953	0.0050	mg/l	1.00	ND	95	75-125			
Cobalt	0.917	0.010	mg/l	1.00	ND	92	75-125			
Copper	1.04	0.010	mg/l	1.00	ND	104	75-125			
Lead	0.948	0.0050	mg/l	1.00	ND	95	75-125			
Molybdenum	0.932	0.020	mg/l	1.00	0.00288	93	75-125			
Nickel	0.930	0.010	mg/l	1.00	ND	93	75-125			
Selenium	0.976	0.010	mg/l	1.00	0.0163	96	75-125			
Silver	0.494	0.010	mg/l	0.500	ND	99	75-125			
Thallium	0.938	0.010	mg/l	1.00	ND	94	75-125			
Vanadium	0.967	0.010	mg/l	1.00	ND	97	75-125			
Zinc	0.982	0.020	mg/l	1.00	0.0171	96	75-125			
Matrix Spike Dup Analyzed: 10/16/2009-10/17/2009 (9J12077-MSD1)					**Source: ISJ0843-02**					
Antimony	0.961	0.010	mg/l	1.00	ND	96	75-125	0	20	
Arsenic	1.04	0.010	mg/l	1.00	0.0102	103	75-125	1	20	
Barium	1.04	0.010	mg/l	1.00	0.0543	99	75-125	0	20	
Beryllium	0.983	0.0040	mg/l	1.00	ND	98	75-125	0	20	
Cadmium	0.934	0.0050	mg/l	1.00	ND	93	75-125	0	20	
Chromium	0.957	0.0050	mg/l	1.00	ND	96	75-125	0	20	
Cobalt	0.921	0.010	mg/l	1.00	ND	92	75-125	1	20	
Copper	1.04	0.010	mg/l	1.00	ND	104	75-125	0	20	
Lead	0.950	0.0050	mg/l	1.00	ND	95	75-125	0	20	
Molybdenum	0.937	0.020	mg/l	1.00	0.00288	93	75-125	1	20	
Nickel	0.934	0.010	mg/l	1.00	ND	93	75-125	1	20	
Selenium	0.963	0.010	mg/l	1.00	0.0163	95	75-125	1	20	
Silver	0.496	0.010	mg/l	0.500	ND	99	75-125	0	20	
Thallium	0.940	0.010	mg/l	1.00	ND	94	75-125	0	20	
Vanadium	0.963	0.010	mg/l	1.00	ND	96	75-125	0	20	
Zinc	0.982	0.020	mg/l	1.00	0.0171	97	75-125	0	20	

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1438 Webster Street, Suite 302
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Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J13092 Extracted: 10/13/09										
Blank Analyzed: 10/13/2009 (9J13092-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 10/13/2009 (9J13092-BS1)										
Mercury	0.00809	0.00020	mg/l	0.00800		101	80-120			
Matrix Spike Analyzed: 10/13/2009 (9J13092-MS1)					**Source: ISJ0843-09**					
Mercury	0.00796	0.00020	mg/l	0.00800	ND	100	70-130			
Matrix Spike Dup Analyzed: 10/13/2009 (9J13092-MSD1)					**Source: ISJ0843-09**					
Mercury	0.00802	0.00020	mg/l	0.00800	ND	100	70-130	1	20	
Batch: 9K06098 Extracted: 11/06/09										
Blank Analyzed: 11/07/2009 (9K06098-BLK1)										
Tin	ND	0.10	mg/l							
LCS Analyzed: 11/07/2009 (9K06098-BS1)										
Tin	1.04	0.10	mg/l	1.00		104	80-120			
Matrix Spike Analyzed: 11/07/2009 (9K06098-MS1)					**Source: ISJ0843-10**					
Tin	1.07	0.10	mg/l	1.00	ND	107	75-125			
Matrix Spike Dup Analyzed: 11/07/2009 (9K06098-MSD1)					**Source: ISJ0843-10**					
Tin	1.04	0.10	mg/l	1.00	ND	104	75-125	3	20	

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DISSOLVED INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J08096 Extracted: 10/08/09										
Blank Analyzed: 10/08/2009 (9J08096-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 10/08/2009 (9J08096-BS1)										
Chromium VI	0.0491	0.0010	mg/l	0.0500		98	90-110			
Matrix Spike Analyzed: 10/08/2009 (9J08096-MS1)					**Source: ISJ0843-08**					
Chromium VI	0.0445	0.0010	mg/l	0.0500	ND	89	85-115			
Matrix Spike Dup Analyzed: 10/08/2009 (9J08096-MSD1)					**Source: ISJ0843-08**					
Chromium VI	0.0476	0.0010	mg/l	0.0500	ND	95	85-115	7	20	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J09065 Extracted: 10/09/09										
Duplicate Analyzed: 10/09/2009 (9J09065-DUP1)					**Source: ISJ0723-01**					
pH	7.73	0.100	pH Units		7.74			0	5	*HFT*
Duplicate Analyzed: 10/09/2009 (9J09065-DUP2)					**Source: ISJ0843-07**					
pH	6.84	0.100	pH Units		6.87			0	5	*HFT*
Batch: 9J09113 Extracted: 10/09/09										
Blank Analyzed: 10/09/2009 (9J09113-BLK1)										
Total Cyanide	ND	0.025	mg/l							
LCS Analyzed: 10/09/2009 (9J09113-BS1)										
Total Cyanide	0.190	0.025	mg/l	0.200		95	90-110			
Matrix Spike Analyzed: 10/09/2009 (9J09113-MS1)					**Source: ISJ0796-02**					
Total Cyanide	0.180	0.025	mg/l	0.200	ND	90	70-115			
Matrix Spike Dup Analyzed: 10/09/2009 (9J09113-MSD1)					**Source: ISJ0796-02**					
Total Cyanide	0.174	0.025	mg/l	0.200	ND	87	70-115	3	15	
Batch: 9J09121 Extracted: 10/09/09										
Blank Analyzed: 10/09/2009 (9J09121-BLK1)										
Sulfide	ND	0.10	mg/l							
LCS Analyzed: 10/09/2009 (9J09121-BS1)										
Sulfide	0.629	0.10	mg/l	0.640		98	80-120			

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INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9J09121 Extracted: 10/09/09										
Matrix Spike Analyzed: 10/09/2009 (9J09121-MS1)					**Source: ISJ0686-03**					
Sulfide	1.01	0.10	mg/l	0.640	0.485	82	70-130			
Matrix Spike Dup Analyzed: 10/09/2009 (9J09121-MSD1)					**Source: ISJ0686-03**					
Sulfide	1.01	0.10	mg/l	0.640	0.485	81	70-130	0	30	

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METHOD BLANK/QC DATA

SW846 8141A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9287463 Extracted: 10/14/09										
Blank Analyzed: 10/16/2009 (C9J140000463B)					**Source:**					
Azinphos-methyl	ND	1	ug/L				-			
Bolstar	ND	1	ug/L				-			
Chlorpyrifos	ND	1	ug/L				-			
Coumaphos	ND	1	ug/L				-			
Demeton (total)	ND	1	ug/L				-			
Demeton-O	ND	1	ug/L				-			
Demeton-S	ND	1	ug/L				-			
Diazinon	ND	1	ug/L				-			
Dichlorvos	ND	1	ug/L				-			
Dimethoate	ND	1	ug/L				-			
Disulfoton	ND	1	ug/L				-			
EPN	ND	1	ug/L				-			
Ethoprop	ND	1	ug/L				-			
Famphur	ND	1	ug/L				-			
Fensulfothion	ND	1	ug/L				-			
Fenthion	ND	1	ug/L				-			
Malathion	ND	1	ug/L				-			
Methyl parathion	ND	1	ug/L				-			
Mevinphos	ND	1	ug/L				-			
O,O,O-Triethyl phosphorothioate	ND	1	ug/L				-			
Parathion	ND	1	ug/L				-			
Phorate	ND	1	ug/L				-			
Ronnel	ND	1	ug/L				-			
Stirophos	ND	1	ug/L				-			
Sulfotepp	ND	1	ug/L				-			
Thionazin	ND	1	ug/L				-			
Tokuthion	ND	1	ug/L				-			
Trichloronate	ND	1	ug/L				-			
Surrogate: Tributyl phosphate	*56*		*ug/L*	*50*		*112*	*49-122*			
Surrogate: Triphenyl phosphate	*55*		*ug/L*	*50*		*111*	*45-145*			

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METHOD BLANK/QC DATA

SW846 8141A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9287463 Extracted: 10/14/09										
LCS Analyzed: 10/16/2009 (C9J140000463C)					**Source:**					
Dimethoate	10.8	1	ug/L	10		108	26-136			
Disulfoton	10.5	1	ug/L	10		105	45-124			
Famphur	11.1	1	ug/L	10		111	52-131			
Methyl parathion	10.7	1	ug/L	10		107	41-148			
O,O,O-Triethyl phosphorothioate	10.2	1	ug/L	10		102	31-131			
Parathion	11	1	ug/L	10		110	56-125			
Phorate	10.4	1	ug/L	10		104	41-135			
Sulfotepp	10.6	1	ug/L	10		106	56-128			
Thionazin	9.8	1	ug/L	10		98	44-128			
Surrogate: Tributyl phosphate	*55.2*		*ug/L*	*50*		*110*	*49-122*			
Surrogate: Triphenyl phosphate	*54.9*		*ug/L*	*50*		*110*	*45-145*			
LCS Dup Analyzed: 10/16/2009 (C9J140000463L)					**Source:**					
Dimethoate	11.1	1	ug/L	10		111	26-136	3	22	
Disulfoton	10.5	1	ug/L	10		105	45-124	0	30	
Famphur	11.3	1	ug/L	10		113	52-131	2	24	
Methyl parathion	11	1	ug/L	10		110	41-148	3	30	
O,O,O-Triethyl phosphorothioate	10.3	1	ug/L	10		103	31-131	1	30	
Parathion	11.9	1	ug/L	10		119	56-125	8	21	
Phorate	10.6	1	ug/L	10		106	41-135	1	24	
Sulfotepp	10.7	1	ug/L	10		107	56-128	1	23	
Thionazin	10.2	1	ug/L	10		102	44-128	4	21	
Surrogate: Tributyl phosphate	*56.2*		*ug/L*	*50*		*112*	*49-122*			
Surrogate: Triphenyl phosphate	*54.1*		*ug/L*	*50*		*108*	*45-145*			

TestAmerica Irvine

Patty Mata
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

SW846 8151A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9288556 Extracted: 10/15/09										
Blank Analyzed: 10/20/2009 (C9J150000556B)					**Source:**					
2,4,5-TP (Silvex)	ND	1	ug/L				-			
2,4-D	ND	4	ug/L				-			
Surrogate: DCAA	*6*		*ug/L*	*10*		*60*	*32-140*			
LCS Analyzed: 10/20/2009 (C9J150000556C)					**Source:**					
2,4,5-T	2.33	1	ug/L	4		58	32-140			
Dinoseb	1.35	0.9	ug/L	2.4		56	10-140			
Pentachlorophenol	2.28	0.5	ug/L	2		114	40-140			
2,4,5-TP (Silvex)	2.74	1	ug/L	4		68	32-140			
2,4-D	7.41	4	ug/L	16		46	32-140			
Surrogate: DCAA	*7.55*		*ug/L*	*10*		*76*	*32-140*			
LCS Dup Analyzed: 10/20/2009 (C9J150000556L)					**Source:**					
2,4,5-T	2.61	1	ug/L	4		65	32-140	11	30	
Dinoseb	2.15	0.9	ug/L	2.4		90	10-140	46	30	*p*
Pentachlorophenol	2.43	0.5	ug/L	2		121	40-140	6	30	
2,4,5-TP (Silvex)	3.09	1	ug/L	4		77	32-140	12	30	
2,4-D	8.24	4	ug/L	16		52	32-140	11	30	
Surrogate: DCAA	*7.77*		*ug/L*	*10*		*78*	*32-140*			
Batch: 9289519 Extracted: 10/16/09										
Blank Analyzed: 10/20/2009 (C9J160000519B)					**Source:**					
2,4,5-TP (Silvex)	ND	1	ug/L				-			
2,4-D	ND	4	ug/L				-			
Surrogate: DCAA	*2.3*		*ug/L*	*10*		*23*	*32-140*			*

TestAmerica Irvine

Patty Mata
Project Manager

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

Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

METHOD BLANK/QC DATA

SW846 8151A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9289519 Extracted: 10/16/09										
LCS Analyzed: 10/20/2009 (C9J160000519C)					**Source:**					
2,4,5-TP (Silvex)	1.05	1	ug/L	4		26	32-140			*a*
2,4-D	6.02	4	ug/L	16		38	32-140			
Surrogate: DCAA	*2.25*		*ug/L*	*10*		*23*	*32-140*			*
LCS Dup Analyzed: 10/20/2009 (C9J160000519L)					**Source:**					
2,4,5-TP (Silvex)	1.12	1	ug/L	4		28	32-140	6	30	*a*
2,4-D	7	4	ug/L	16		44	32-140	15	30	
Surrogate: DCAA	*2.51*		*ug/L*	*10*		*25*	*32-140*			*

TestAmerica Irvine

Patty Mata
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

SW846 8290

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9286421 Extracted: 10/13/09										
Blank Analyzed: 10/31/2009 (G9J130000421B)					**Source:**					
1,2,3,4,6,7,8-HpCDD	ND	50	pg/L				-			
1,2,3,4,6,7,8-HpCDF	ND	50	pg/L				-			
1,2,3,4,7,8,9-HpCDF	ND	50	pg/L				-			
1,2,3,4,7,8-HxCDD	ND	50	pg/L				-			
1,2,3,4,7,8-HxCDF	ND	50	pg/L				-			
1,2,3,6,7,8-HxCDD	ND	50	pg/L				-			
1,2,3,6,7,8-HxCDF	ND	50	pg/L				-			
1,2,3,7,8,9-HxCDD	ND	50	pg/L				-			
1,2,3,7,8,9-HxCDF	ND	50	pg/L				-			
1,2,3,7,8-PeCDD	ND	50	pg/L				-			
1,2,3,7,8-PeCDF	ND	50	pg/L				-			
2,3,4,6,7,8-HxCDF	ND	50	pg/L				-			
2,3,4,7,8-PeCDF	ND	50	pg/L				-			
2,3,7,8-TCDD	ND	10	pg/L				-			
2,3,7,8-TCDF	4.8	10	pg/L				-			*J, Q*
OCDD	ND	100	pg/L				-			
OCDF	ND	100	pg/L				-			
Total HpCDD	ND	50	pg/L				-			
Total HpCDF	ND	50	pg/L				-			
Total HxCDD	ND	50	pg/L				-			
Total HxCDF	ND	50	pg/L				-			
Total PeCDD	ND	50	pg/L				-			
Total PeCDF	ND	50	pg/L				-			
Total TCDD	ND	10	pg/L				-			
Total TCDF	9.1	10	pg/L				-			
Surrogate: 13C-1,2,3,4,6,7,8-HpCDD	*1400*		*pg/L*	*2000*		*69*	*40-135*			
Surrogate: 13C-1,2,3,4,6,7,8-HpCDF	*1400*		*pg/L*	*2000*		*69*	*40-135*			
Surrogate: 13C-1,2,3,4,7,8-HxCDF	*1300*		*pg/L*	*2000*		*66*	*40-135*			
Surrogate: 13C-1,2,3,6,7,8-HxCDD	*1600*		*pg/L*	*2000*		*78*	*40-135*			
Surrogate: 13C-1,2,3,7,8-PeCDD	*1000*		*pg/L*	*2000*		*52*	*40-135*			
Surrogate: 13C-1,2,3,7,8-PeCDF	*1000*		*pg/L*	*2000*		*51*	*40-135*			
Surrogate: 13C-2,3,7,8-TCDD	*1200*		*pg/L*	*2000*		*61*	*40-135*			
Surrogate: 13C-2,3,7,8-TCDF	*1100*		*pg/L*	*2000*		*57*	*40-135*			
Surrogate: 13C-OCDD	*2100*		*pg/L*	*4000*		*52*	*40-135*			

TestAmerica Irvine

Patty Mata
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

METHOD BLANK/QC DATA

SW846 8290

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 9286421 Extracted: 10/13/09										
LCS Analyzed: 10/31/2009 (G9J130000421C)					**Source:**					
1,2,3,4,6,7,8-HpCDD	980	50	pg/L	1000		98	78-139			
1,2,3,4,6,7,8-HpCDF	972	50	pg/L	1000		97	79-133			
1,2,3,4,7,8,9-HpCDF	907	50	pg/L	1000		91	83-130			
1,2,3,4,7,8-HxCDD	904	50	pg/L	1000		90	56-146			
1,2,3,4,7,8-HxCDF	984	50	pg/L	1000		98	75-131			
1,2,3,6,7,8-HxCDD	972	50	pg/L	1000		97	73-144			
1,2,3,6,7,8-HxCDF	1020	50	pg/L	1000		102	76-133			
1,2,3,7,8,9-HxCDD	961	50	pg/L	1000		96	71-151			
1,2,3,7,8,9-HxCDF	1020	50	pg/L	1000		102	77-142			
1,2,3,7,8-PeCDD	1090	50	pg/L	1000		109	71-140			
1,2,3,7,8-PeCDF	1010	50	pg/L	1000		101	76-135			
2,3,4,6,7,8-HxCDF	1080	50	pg/L	1000		108	80-137			
2,3,4,7,8-PeCDF	1000	50	pg/L	1000		100	74-137			
2,3,7,8-TCDD	191	10	pg/L	200		95	64-142			
2,3,7,8-TCDF	190	10	pg/L	200		95	71-142			
OCDD	2060	100	pg/L	2000		103	80-132			
OCDF	1950	100	pg/L	2000		98	72-140			
Surrogate: 13C-1,2,3,4,6,7,8-HpCDD	*1510*		*pg/L*	*2000*		*76*	*40-135*			
Surrogate: 13C-1,2,3,4,6,7,8-HpCDF	*1380*		*pg/L*	*2000*		*69*	*40-135*			
Surrogate: 13C-1,2,3,4,7,8-HxCDF	*1390*		*pg/L*	*2000*		*69*	*40-135*			
Surrogate: 13C-1,2,3,6,7,8-HxCDD	*1580*		*pg/L*	*2000*		*79*	*40-135*			
Surrogate: 13C-1,2,3,7,8-PeCDD	*1170*		*pg/L*	*2000*		*58*	*40-135*			
Surrogate: 13C-1,2,3,7,8-PeCDF	*1170*		*pg/L*	*2000*		*59*	*40-135*			
Surrogate: 13C-2,3,7,8-TCDD	*1340*		*pg/L*	*2000*		*67*	*40-135*			
Surrogate: 13C-2,3,7,8-TCDF	*1210*		*pg/L*	*2000*		*60*	*40-135*			
Surrogate: 13C-OCDD	*2240*		*pg/L*	*4000*		*56*	*40-135*			

TestAmerica Irvine

Patty Mata
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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

Iris Environmental
1438 Webster Street, Suite 302
Oakland, CA 94612
Attention: Rebecca Frymer

Project ID: PTI, Phibro-Tech, Inc., App. IX
06-441-C
Report Number: ISJ0843

Sampled: 10/08/09
Received: 10/08/09

GCMS CALIBRATION CHECK CRITERIA

The % recovery for the following individual compounds fell outside the ± 15% criteria, however the average % recovery of all compounds in the calibration check solution was within ± 15%, thus meeting the overall calibration check criteria.

Compound	Footnote	Calibration Check % Recovery	Lab Number	Batch
4-Nitroquinoline N-Oxide	2	50%	ISJ0843-09	9J12099
4-Nitroquinoline N-Oxide	2	50%	ISJ0843-10	9J12099
Hexachlorophene	2	51%	ISJ0843-09	9J12099
Hexachlorophene	2	51%	ISJ0843-10	9J12099
Kepone	2	59%	ISJ0843-09	9J12099
Kepone	2	59%	ISJ0843-10	9J12099

Footnotes:

1 The calibration demonstrated a high bias for this compound. Samples were flagged to indicate a possible high bias in the result for this compound.

2 The calibration demonstrated a low bias for this compound. Samples were flagged to indicate a possible low bias in the result for this compound.

TestAmerica Irvine

Patty Mata
Project Manager

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

Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

DATA QUALIFIERS AND DEFINITIONS

*	Surrogate recovery is outside stated control limits.
a	Spiked analyte recovery is outside stated control limits.
B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
C-2	Calibration Verification recovery was below the method control limit for this analyte, however the average % difference for all analytes met method criteria. See Calibration Summary form.
C4	Calibration Verification recovery was below the method control limit for this analyte.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Estimated result. Result is less than the reporting limit.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
p	Relative percent difference (RPD) is outside stated control limits.
P-HS	Sample container contained headspace.
Q	Estimated maximum possible concentration (EMPC).
R-7	LFB/LFBD RPD exceeded the acceptance limit. Recovery met acceptance criteria.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

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

TestAmerica Irvine

Patty Mata
Project Manager

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Iris Environmental	Project ID:	PTI, Phibro-Tech, Inc., App. IX	
1438 Webster Street, Suite 302		06-441-C	Sampled: 10/08/09
Oakland, CA 94612	Report Number:	ISJ0843	Received: 10/08/09
Attention: Rebecca Frymer			

Certification Summary

TestAmerica Irvine

Method	Matrix	Nelac	California
EPA 3510C/8081A	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 7199	Water	X	X
EPA 7470A-Diss	Water	X	X
EPA 8082	Water	X	X
EPA 8260B	Water	X	X
EPA 8270C	Water	X	X
SM4500CN-E	Water		
SM4500-H,B	Water	X	X
SM4500-S C, D	Water		

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

Subcontracted Laboratories

TestAmerica Pittsburgh

301 Alpha Drive - Pittsburgh, PA 15238

Method Performed: SW846 8141A
Samples: ISJ0843-09, ISJ0843-10

Method Performed: SW846 8151A
Samples: ISJ0843-09, ISJ0843-10

TestAmerica West Sacramento

880 Riverside Parkway - West Sacramento, CA 95605

Method Performed: SW846 8290
Samples: ISJ0843-09, ISJ0843-10

TestAmerica Irvine

Patty Mata
Project Manager

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ES70843

IRIS ENVIRONMENTAL — CHAIN-OF-CUSTODY

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 10/08/09 Page: 1 of 2 № 2995

Sampler Name(s): R. FRYMER

Signature(s): [signature]

Analyses Required

Sample ID	Date	Time	Matrix	Pres.	VOCs (8260)	Cd, Cr, Cu (6010)	Cr VI (7199)	pH (150.1)											Number of Containers
PTI-TB01-083	10/8/09	0900	H_2O	HCl	X														3
PTI-MW03-083	↓	0855	↓	VAR	X	X	X	X											5
PTI-MW01D-083	↓	1125	↓	↓	X	X	X	X											5
PTI-MW15D-083	↓	1015	↓	↓	X	X	X	X											5
PTI-MW06D-083	↓	1305	↓	↓	X	X	X	X											5
PTI-MW06B-083	↓	1210	↓	↓	X	X	X	X											5
PTI-EB01-083	↓	1225	↓	↓	X	X	X	X											5
PTI-MW11-083	↓	1355	↓	↓	X	X	X	X											5

MS 10/9/09 05:15

PROJECT INFORMATION

Project Name: PTI
Project Number: 06-441C
Contact Person: R. FRYMER
E-mail: RFRYMER@IRISENV.COM
Contact Telephone: 510 834 4747 x20
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

Field filtered for metals

RELINQUISHED BY:	RECEIVED BY:
Printed Name: R. FRYMER	Printed Name: Vince Padilla
Signature: [signature]	Signature: Vince Padilla
Company: IRIS	Company: TA-I
Time/Date: 10/8/09 1607	Time/Date: 10/8/09 1607

RELINQUISHED BY:	RECEIVED BY:
Printed Name: Vince Padilla	Printed Name: Angel Perez
Signature: Vince Padilla	Signature: [signature]
Company: TA-I	Company: TAI
Time/Date: 10/8/09 1930	Time/Date: 10/08/09 1930

#017

2-16

IRIS ENVIRONMENTAL **CHAIN-OF-CUSTODY**

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 10/8/09 Page: 2 of 2 № 3082

Sampler Name(s): R. FRYMER Signature(s): [signature]

Analyses Required

Sample ID	Date	Time	Matrix	Pres.	8260B-App IV	8260B-A+A	8270C-App IX	8270C-1,4-Dioxane-LL	8081A (pest)	8082 (poly biphen)	8141A-O	EPA 8151A	8290/1613	CAM	Cr VI	pH	Cyanide 9208/9010C			Number of Containers
PTI-MW14D-083	10/8/09	1440	H_2O	VAR	X	X	X	X	X	X	X	X	X	X	X	X	X			16
PTI-MW04A-083	10/8/09	1600	H_2O	VAR	X	X	X	X	X	X	X	X	X	X	X	X	X			16

PROJECT INFORMATION

Project Name: PTI
Project Number: 06-441C
Contact Person: R. FRYMER
E-mail: RFRYMER@irisenv.com
Contact Telephone: 510 834 4747 x30
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

Field filtered for metals

RELINQUISHED BY:

Printed Name: R. FRYMER
Signature: [signature]
Company: IRIS
Time/Date: 10/8/09 1607

RECEIVED BY:

Printed Name: Vince Padilla
Signature: [signature]
Company: TA-I
Time/Date: 10/8/09 1607

RELINQUISHED BY:

Printed Name: Vince Padilla
Signature: [signature]
Company: TA-I
Time/Date: 10/8/09 1930

RECEIVED BY:

Printed Name: Angel Perez
Signature: [signature]
Company: TA-I
Time/Date: 10/09/09 1030

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. ISJ0843

IRIS ENVIRONMENTAL

Lot #: C9J100215

Patty Mata

TestAmerica Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817

TESTAMERICA LABORATORIES, INC.

Christina M. Kovitch
Project Manager

October 29, 2009

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E871008-04)	WW	X
		HW	X
Illinois – NELAC	(#002064)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#04041)	WW	X
		HW	X
New Hampshire – NELAC	(#203008)	WW	X
		--	--
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014002)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 2/5/2009 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

TestAmerica Irvine

Lot # C9J100215

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples October 10 and 16, 2009. The cooler was received within the proper temperature range with both shipments.

Note: Sample ISJ0843-09 was received on October 10, 2009 in a broken one liter amber bottle. The client was notified and informed the lab that a sample replacement would be sent. TestAmerica Pittsburgh received that sample on October 16, 2009.

Sample ISJ0843-09 was received outside of holding time by one day for herbicide analysis.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

Organophosphorous Pesticides:
All compounds <20% RSD will use an average response factor curve if no visible improvement is accomplished using a curve. A curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Herbicides:
The surrogate for sample ISJ0843-09 (batch 9289519) recovered outside control limits. This sample was received and analyzed outside of holding time.

The surrogates for the method blank, laboratory control sample and laboratory control sample duplicate from batch 9289519 recovered outside control limits.

The laboratory control sample and laboratory control sample duplicate from batch 9289519 recovered outside control limits for silvex. There was insufficient sample to re-extract and re-analyze. The client was notified. All results were reported.

The relative percent difference between the laboratory control sample and laboratory control sample duplicate from batch 9288556 recovered outside control limits for dinoseb.

SUBCONTRACT ORDER

TestAmerica Irvine

ISJ0843

SENDING LABORATORY:

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

RECEIVING LABORATORY:

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
Phone :(412) 963-7058
Fax: (412) 963-2468
Project Location: CA - CALIFORNIA
Receipt Temperature: _____ °C Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: ISJ0843-09	**Water**		Sampled: **10/08/09 14:40**			
8141A-Full-OUT	ug/l	10/19/09	10/15/09 14:40	$144.00	0%	Sub to TA-Pittsburgh. Need App IX list please.
8151A - Herb Appx IX	ug/l	10/19/09	10/15/09 14:40	$154.00	0%	Sub to TA-Pittsburgh
Containers Supplied:						
1 L Amber (O)	1 L Amber (P)					
Sample ID: ISJ0843-10	**Water**		Sampled: **10/08/09 16:00**			
8141A-Full-OUT	ug/l	10/19/09	10/15/09 16:00	$144.00	0%	Sub to TA-Pittsburgh. Need App IX list please.
8151A - Herb Appx IX	ug/l	10/19/09	10/15/09 16:00	$154.00	0%	Sub to TA-Pittsburgh
Containers Supplied:						
1 L Amber (O)	1 L Amber (P)					

Released By	Date/Time	Received By	Date/Time
[signature]	10/9/09 17:00	Fed Ex	10/9/09 17:00
		[signature]	10-10-09 0930

Page 1 of 1

ES10843

IRIS ENVIRONMENTAL — CHAIN-OF-CUSTODY

1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

Date: 10/08/09 Page: 1 of 2 № 2995

Sampler Name(s): R. FRYMER

Signature(s): RF

Sample ID	Date	Time	Matrix	Pres.	VOCs (8260)	Cd, Cr, Ni (6010)	Cr VI (7199)	pH (150.1)										Number of Containers
PTI-TB01-083	10/8/09	0900	H_2O	HCl	X													3
PTI-MW03-083	↓	0855	↓	VAR	X	X	X	X										5
PTI-MW01D-083	↓	1125	↓	↓	X	X	X	X										5
PTI-MW15D-083	↓	1015	↓	↓	X	X	X	X										5
PTI-MW06D-083	↓	1305	↓	↓	X	X	X	X										5
PTI-MW06B-083	↓	1210	↓	↓	X	X	X	X										5
PTI-EB01-083	↓	1225	↓	↓	X	X	X	X										5
PTI-MW11-083	↓	1355	↓	↓	X	X	X	X										5

Analyses Required

HS 10/9/09 05:15

PROJECT INFORMATION

Project Name: PTI
Project Number: 06-441C
Contact Person: R. FRYMER
E-mail: RFRYMER@IRISENV.COM
Contact Telephone: 510 834 4747 x20
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

Field filtered for metals

RELINQUISHED BY:	RECEIVED BY:
Printed Name: R. FRYMER	Printed Name: Vince Padilla
Signature: RF	Signature: Vince Padilla
Company: IRIS	Company: TA-I
Time/Date: 10/8/09 1607	Time/Date: 10/8/09 1607
RELINQUISHED BY:	**RECEIVED BY:**
Printed Name: Vince Padilla	Printed Name: Angel Perez
Signature: Vince Padilla	Signature:
Company: TA-I	Company: TAI
Time/Date: 10/8/09 1930	Time/Date: 10/08/09 1930

IRIS ENVIRONMENTAL
1438 Webster Street, Suite 302
Oakland, California 94612
(510) 834-4747 tel
(510) 834-4199 fax

CHAIN-OF-CUSTODY

Date: 10/8/09 Page: 2 of 2 № 3082

Sampler Name(s): R. FRYMER
Signature(s): [signature]

Analyses Required

Sample ID	Date	Time	Matrix	Pres.	8260B-App IX	8260B-A+A	8270C-App IX	8270C-1,4-Dioxane-SIM	8081A (pest)	8082 (poly b.phen)	8141A-O	EPA 8151A	8290/1613	CAM	Cr VI	pH	Cyanide 4500/sulfide			Number of Containers
PTI-MW14D-083	10/8/09	1440	H_2O	VAR	X	X	X	X	X	X	X	X	X	X	X	X	X			16
PTI-MW04A-083	10/8/09	1600	H_2O	VAR	X	X	X	X	X	X	X	X	X	X	X	X	X			16

PROJECT INFORMATION

Project Name: PTI
Project Number: 06-441C
Contact Person: R. FRYMER
E-mail: RFRYMER@irisenv.com
Contact Telephone: 510 834 4747 x30
Report: Routine (Level 2) Level 3 Level 4 EDD
TAT: 10-day 5-day 72-hr 48-hr 24-hr Other:

Special Instructions/Comments:

Field filtered for metals

RELINQUISHED BY:	RECEIVED BY:
Printed Name: R. FRYMER	Printed Name: Vince Padilla
Signature: [signature]	Signature: [signature]
Company: IRIS	Company: TA-I
Time/Date: 10/8/09 1607	Time/Date: 10/8/09 1607
RELINQUISHED BY:	**RECEIVED BY:**
Printed Name: Vince Padilla	Printed Name: Angel Ruiz
Signature: [signature]	Signature: [signature]
Company: TA-I	Company: TA+
Time/Date: 10/8/09 1930	Time/Date: 10/08/09 1930

METHODS SUMMARY

C9J100215

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chlorinated Herbicides by GC	SW846 8151A	SW846 8151A
Organophosphorous Compounds by GC	SW846 8141A	SW846 3510

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C9J100215

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
LMD60	001	ISJO843-09	10/08/09	14:40
LMD64	002	ISJO843-10	10/08/09	16:00

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.

TestAmerica Irvine

Client Sample ID: ISJO843-09

GC Semivolatiles

Lot-Sample #...: C9J100215-001 **Work Order #...:** LMD601AC **Matrix.....:** WATER
Date Sampled...: 10/08/09 **Date Received..:** 10/10/09 **MS Run #.....:**
Prep Date.....: 10/14/09 **Analysis Date..:** 10/16/09
Prep Batch #...: 9287463 **Analysis Time..:** 05:14
Dilution Factor: 0.97

Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Azinphos-methyl	ND	0.97	ug/L
Bolstar	ND	0.97	ug/L
Chlorpyrifos	ND	0.97	ug/L
Coumaphos	ND	0.97	ug/L
Demeton-O	ND	0.97	ug/L
Demeton-S	ND	0.97	ug/L
Demeton (total)	ND	0.97	ug/L
Diazinon	ND	0.97	ug/L
Dichlorvos	ND	0.97	ug/L
Dimethoate	ND	0.97	ug/L
Disulfoton	ND	0.97	ug/L
EPN	ND	0.97	ug/L
Ethoprop	ND	0.97	ug/L
Famphur	ND	0.97	ug/L
Fensulfothion	ND	0.97	ug/L
Fenthion	ND	0.97	ug/L
Malathion	ND	0.97	ug/L
Methyl parathion	ND	0.97	ug/L
Mevinphos	ND	0.97	ug/L
Parathion	ND	0.97	ug/L
Phorate	ND	0.97	ug/L
Ronnel	ND	0.97	ug/L
Stirophos	ND	0.97	ug/L
Sulfotepp	ND	0.97	ug/L
Thionazin	ND	0.97	ug/L
Tokuthion	ND	0.97	ug/L
Trichloronate	ND	0.97	ug/L
O,O,O-Triethylphosphoro-thioate	ND	0.97	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	116	(45 - 145)
Tributyl phosphate	116	(49 - 122)

TestAmerica Irvine

Client Sample ID: ISJO843-10

GC Semivolatiles

Lot-Sample #...: C9J100215-002 **Work Order #...:** LMD641AC **Matrix.....:** WATER
Date Sampled...: 10/08/09 **Date Received..:** 10/10/09 **MS Run #.....:**
Prep Date.....: 10/14/09 **Analysis Date..:** 10/16/09
Prep Batch #...: 9287463 **Analysis Time..:** 05:40
Dilution Factor: 0.97

Method.....: SW846 8141A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Azinphos-methyl	ND	0.97	ug/L
Bolstar	ND	0.97	ug/L
Chlorpyrifos	ND	0.97	ug/L
Coumaphos	ND	0.97	ug/L
Demeton-O	ND	0.97	ug/L
Demeton-S	ND	0.97	ug/L
Demeton (total)	ND	0.97	ug/L
Diazinon	ND	0.97	ug/L
Dichlorvos	ND	0.97	ug/L
Dimethoate	ND	0.97	ug/L
Disulfoton	ND	0.97	ug/L
EPN	ND	0.97	ug/L
Ethoprop	ND	0.97	ug/L
Famphur	ND	0.97	ug/L
Fensulfothion	ND	0.97	ug/L
Fenthion	ND	0.97	ug/L
Malathion	ND	0.97	ug/L
Methyl parathion	ND	0.97	ug/L
Mevinphos	ND	0.97	ug/L
Parathion	ND	0.97	ug/L
Phorate	ND	0.97	ug/L
Ronnel	ND	0.97	ug/L
Stirophos	ND	0.97	ug/L
Sulfotepp	ND	0.97	ug/L
Thionazin	ND	0.97	ug/L
Tokuthion	ND	0.97	ug/L
Trichloronate	ND	0.97	ug/L
O,O,O-Triethylphosphoro-thioate	ND	0.97	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	117	(45 - 145)
Tributyl phosphate	116	(49 - 122)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C9J100215 **Work Order #...:** LMKRD1AA **Matrix.....:** WATER
MB Lot-Sample #: C9J140000-463
Prep Date.....: 10/14/09 **Analysis Time..:** 06:07
Analysis Date..: 10/16/09 **Prep Batch #...:** 9287463
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Azinphos-methyl	ND	1.0	ug/L	SW846 8141A
Bolstar	ND	1.0	ug/L	SW846 8141A
Chlorpyrifos	ND	1.0	ug/L	SW846 8141A
Coumaphos	ND	1.0	ug/L	SW846 8141A
Demeton-O	ND	1.0	ug/L	SW846 8141A
Demeton-S	ND	1.0	ug/L	SW846 8141A
Demeton (total)	ND	1.0	ug/L	SW846 8141A
Diazinon	ND	1.0	ug/L	SW846 8141A
Dichlorvos	ND	1.0	ug/L	SW846 8141A
Thionazin	ND	1.0	ug/L	SW846 8141A
Dimethoate	ND	1.0	ug/L	SW846 8141A
Disulfoton	ND	1.0	ug/L	SW846 8141A
EPN	ND	1.0	ug/L	SW846 8141A
Ethoprop	ND	1.0	ug/L	SW846 8141A
Famphur	ND	1.0	ug/L	SW846 8141A
Fensulfothion	ND	1.0	ug/L	SW846 8141A
Fenthion	ND	1.0	ug/L	SW846 8141A
Malathion	ND	1.0	ug/L	SW846 8141A
Methyl parathion	ND	1.0	ug/L	SW846 8141A
Mevinphos	ND	1.0	ug/L	SW846 8141A
Parathion	ND	1.0	ug/L	SW846 8141A
Phorate	ND	1.0	ug/L	SW846 8141A
Ronnel	ND	1.0	ug/L	SW846 8141A
Stirophos	ND	1.0	ug/L	SW846 8141A
Sulfotepp	ND	1.0	ug/L	SW846 8141A
Tokuthion	ND	1.0	ug/L	SW846 8141A
Trichloronate	ND	1.0	ug/L	SW846 8141A
O,O,O-Triethylphosphoro-thioate	ND	1.0	ug/L	SW846 8141A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	111	(45 - 145)
Tributyl phosphate	112	(49 - 122)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: C9J100215 **Work Order #...:** LMKRD1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9J140000-463 LMKRD1AD-LCSD
Prep Date.....: 10/14/09 **Analysis Date..:** 10/16/09
Prep Batch #...: 9287463 **Analysis Time..:** 06:34
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Thionazin	**98**	**(44 - 128)**			**SW846 8141A**
	102	**(44 - 128)**	**4.1**	**(0-21)**	**SW846 8141A**
Tetraethyldithiopyro-phosphate	**106**	**(56 - 128)**			**SW846 8141A**
	107	**(56 - 128)**	**1.4**	**(0-23)**	**SW846 8141A**
Phorate	**104**	**(41 - 135)**			**SW846 8141A**
	106	**(41 - 135)**	**1.4**	**(0-24)**	**SW846 8141A**
Disulfoton	**105**	**(45 - 124)**			**SW846 8141A**
	105	**(45 - 124)**	**0.0**	**(0-30)**	**SW846 8141A**
Methyl parathion	**107**	**(41 - 148)**			**SW846 8141A**
	110	**(41 - 148)**	**3.1**	**(0-30)**	**SW846 8141A**
Parathion	**110**	**(56 - 125)**			**SW846 8141A**
	119	**(56 - 125)**	**7.8**	**(0-21)**	**SW846 8141A**
Famphur	**111**	**(52 - 131)**			**SW846 8141A**
	113	**(52 - 131)**	**1.8**	**(0-24)**	**SW846 8141A**
O,O,O-Triethylphosphoro-thioate	**102**	**(31 - 131)**			**SW846 8141A**
	103	**(31 - 131)**	**0.88**	**(0-30)**	**SW846 8141A**
Dimethoate	**108**	**(26 - 136)**			**SW846 8141A**
	111	**(26 - 136)**	**2.9**	**(0-22)**	**SW846 8141A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Triphenyl phosphate	110	(45 - 145)
	108	(45 - 145)
Tributyl phosphate	110	(49 - 122)
	112	(49 - 122)

NOTE(S):

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

Bold print denotes control parameters

TestAmerica Irvine

Client Sample ID: ISJO843-09

GC Semivolatiles

Lot-Sample #...: C9J100215-001 **Work Order #...:** LMD601AA **Matrix.....:** WATER
Date Sampled...: 10/08/09 **Date Received..:** 10/10/09 **MS Run #.....:**
Prep Date.....: 10/16/09 **Analysis Date..:** 10/20/09
Prep Batch #...: 9289519 **Analysis Time..:** 11:46
Dilution Factor: 0.97

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	3.9	ug/L
2,4,5-TP (Silvex)	ND	0.97	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	36 *	(53 - 119)

NOTE(S):

* Surrogate recovery is outside stated control limits.

TestAmerica Irvine

Client Sample ID: ISJO843-10

GC Semivolatiles

Lot-Sample #...: C9J100215-002 **Work Order #...:** LMD641AA **Matrix.....:** WATER
Date Sampled...: 10/08/09 **Date Received..:** 10/10/09 **MS Run #.....:**
Prep Date.....: 10/15/09 **Analysis Date..:** 10/21/09
Prep Batch #...: 9288556 **Analysis Time..:** 11:16
Dilution Factor: 0.97

Method.....: SW846 8151A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-D	ND	3.9	ug/L
2,4,5-TP (Silvex)	ND	0.97	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	74	(53 - 119)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C9J100215 **Work Order #...:** LMNF91AA **Matrix.....:** WATER
MB Lot-Sample #: C9J150000-556
Prep Date.....: 10/15/09 **Analysis Time..:** 10:38
Analysis Date..: 10/20/09 **Prep Batch #...:** 9288556
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-D	ND	4.0	ug/L	SW846 8151A
2,4,5-TP (Silvex)	ND	1.0	ug/L	SW846 8151A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	60	(32 - 140)

NOTE(S):

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

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C9J100215 **Work Order #...:** LMQ771AA **Matrix.....:** WATER
MB Lot-Sample #: C9J160000-519

Prep Date.....: 10/16/09 **Analysis Time..:** 12:09
Analysis Date..: 10/20/09 **Prep Batch #...:** 9289519
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-D	ND	4.0	ug/L	SW846 8151A
2,4,5-TP (Silvex)	ND	1.0	ug/L	SW846 8151A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	23 *	(32 - 140)

NOTE(S):

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

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: C9J100215 **Work Order #...:** LMNF91AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9J150000-556 LMNF91AD-LCSD
Prep Date.....: 10/15/09 **Analysis Date..:** 10/20/09
Prep Batch #...: 9288556 **Analysis Time..:** 11:01
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Pentachlorophenol	**114**	**(40 - 140)**			**SW846 8151A**
	121	**(40 - 140)**	**6.3**	**(0-30)**	**SW846 8151A**
2,4,5-T	**58**	**(32 - 140)**			**SW846 8151A**
	65	**(32 - 140)**	**11**	**(0-30)**	**SW846 8151A**
Dinoseb	**56**	**(10 - 140)**			**SW846 8151A**
	90 p	**(10 - 140)**	**46**	**(0-30)**	**SW846 8151A**
2,4-D	**46**	**(32 - 140)**			**SW846 8151A**
	52	**(32 - 140)**	**11**	**(0-30)**	**SW846 8151A**
2,4,5-TP (Silvex)	**68**	**(32 - 140)**			**SW846 8151A**
	77	**(32 - 140)**	**12**	**(0-30)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	76	(32 - 140)
	78	(32 - 140)

NOTE(S):

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

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: C9J100215 **Work Order #...:** LMQ771AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: C9J160000-519 LMQ771AD-LCSD
Prep Date.....: 10/16/09 **Analysis Date..:** 10/20/09
Prep Batch #...: 9289519 **Analysis Time..:** 12:32
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,4-D	**38**	**(32 - 140)**			**SW846 8151A**
	44	**(32 - 140)**	**15**	**(0-30)**	**SW846 8151A**
2,4,5-TP (Silvex)	**26 a**	**(32 - 140)**			**SW846 8151A**
	28 a	**(32 - 140)**	**6.2**	**(0-30)**	**SW846 8151A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	23 *	(32 - 140)
	25 *	(32 - 140)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

November 5, 2009

TestAmerica Project Number: G9J100155
PO/Contract: ISJ0843

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

Dear Ms. Mata,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on October 10, 2009. These samples are associated with your ISJ0843 project.

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

If you have any questions, please feel free to call me at (916) 374-4362.

Sincerely,

for
Linda C. Laver
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G9J100155

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

WATER, 8290, Dioxins/Furans with Totals
Samples: 1, 2
- Sample Data Sheets
- Method Blank Report
- Laboratory QC Reports

WATER, 8290, Dioxins/Furans with Totals
Samples: 1, 2
- TEQ: EPA, ND = 0

Case Narrative

TestAmerica West Sacramento Project Number G9J100155

WATER, 8290, Dioxins/Furans with Totals
Samples: 1, 2
Several analytes in each sample have been qualified with a "Q" flag due to the ion abundance ratios being outside of criteria. The analytes have been reported as an "estimated maximum possible concentration" (EMPC) because the quantitation is based on the theoretical ion abundance ratio for these analytes.

There are no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

QC Parameter Definitions

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

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

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

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

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

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

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

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

Sample Summary

TestAmerica West Sacramento Project Number G9J100155

WO#	Sample #	Client Sample ID	Sampling Date	Received Date
LMDPC	1	ISJ0843-09	10/8/2009 02:40 PM	10/10/2009 09:15 AM
LMDPD	2	ISJ0843-10	10/8/2009 04:00 PM	10/10/2009 09:15 AM

Notes(s):

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

SUBCONTRACT ORDER

TestAmerica Irvine

ISJ0843

SENDING LABORATORY:

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

RECEIVING LABORATORY:

TestAmerica West Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone :(916) 373-5600
Fax: (916) 372-1059
Project Location: CA - CALIFORNIA
Receipt Temperature: _____ °C Ice: Y / N

Analysis	Units	Due	Expires	Interlab Price	Surch	Comments
Sample ID: ISJ0843-09	**Water**		Sampled: **10/08/09 14:40**			
8290-Dioxin-HR	mg/kg	10/19/09	10/15/09 14:40	$690.00	0%	Sub TA-WestSac. Full Dioxin/Furans+EPA TEQ
Containers Supplied: 1 L Amber (M)						
Sample ID: ISJ0843-10	**Water**		Sampled: **10/08/09 16:00**			
8290-Dioxin-HR	mg/kg	10/19/09	10/15/09 16:00	$690.00	0%	Sub TA-WestSac. Full Dioxin/Furans+EPA TEQ
Containers Supplied: 1 L Amber (M)						

Released By	Date/Time	Received By	Date/Time
Margarita Salas	10/9/09 17:00	FedEx	10/9/09 17:00
		[illegible]	10-10-09 1050

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

LOT RECEIPT CHECKLIST
TestAmerica West Sacramento

CLIENT TAL-Irvine PM LL LOG # 61233

LOT# (QUANTIMS ID) G9J100155 QUOTE# 74133 LOCATION W3C

Checked (✓)

DATE RECEIVED 10-10-09 TIME RECEIVED 915 ☑

DELIVERED BY ☑ FEDEX ☐ ON TRAC ☐ CLIENT
☐ GOLDENSTATE ☐ UPS ☐ GO-GETTERS
☐ TAL COURIER ☐ VALLEY LOGISTICS ☐ OTHER
☐ TAL SF ☑

CUSTODY SEAL STATUS ☑ INTACT ☐ BROKEN ☐ N/A ☑

CUSTODY SEAL #(S) Seal

SHIPPPING CONTAINER(S) ☑ TAL ☐ CLIENT ☐ N/A ☑

TEMPERTURE RECORD (IN °C) IR 4☐ 5☑ ☐ OTHER ☑

COC #(S) ☑

TEMPERATURE BLANK Observed: NA Corrected:

SAMPLE TEMPERATURE

Observed: 2, 1, 2 Average 2 Corrected Average 2

COLLECTOR'S NAME: ☐ Verified from COC ☑ Not on COC Initials: AL Date: 10-10-09

==========

pH MEASURED ☐ YES ☐ ANOMALY ☑ N/A ☑

LABELED BY..... ☑

LABELS CHECKED BY..... ☑

PEER REVIEW ☑ N/A

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING ☑
WETCHEM ☑ N/A ☑
VOA-ENCORES ☑ N/A ☑

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

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

☐ CLOUSEA ☐ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☑ N/A

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

Initials: AL Date: 10-10-09

Notes

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Bottle Lot Inventory

Lot ID: G9J100155

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

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

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

QA-185 5/05 EM

Page 3

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES

WATER, 8290, Dioxins/Furans with Totals

TestAmerica Irvine

Sample ID: ISJ0843-09

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 001	**Work Order #....:**	LMDPC1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Dilution Factor:**	1
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	996 mL	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		10	3.8	pg/L
Total TCDD	ND		10	3.8	pg/L
1,2,3,7,8-PeCDD	ND		50	11	pg/L
Total PeCDD	**12**		**50**	**11**	**pg/L**
1,2,3,4,7,8-HxCDD	ND		50	6.5	pg/L
1,2,3,6,7,8-HxCDD	ND		50	5.5	pg/L
1,2,3,7,8,9-HxCDD	ND		50	5.6	pg/L
Total HxCDD	ND		50	6.5	pg/L
1,2,3,4,6,7,8-HpCDD	ND		50	7.4	pg/L
Total HpCDD	ND		50	7.4	pg/L
OCDD	**44**	**J Q**	**100**	**21**	**pg/L**
2,3,7,8-TCDF	**9.8**	**J B**	**10**	**3.3**	**pg/L**
Total TCDF	**20**		**10**	**3.3**	**pg/L**
1,2,3,7,8-PeCDF	ND		50	6.7	pg/L
2,3,4,7,8-PeCDF	ND		50	6.9	pg/L
Total PeCDF	**9.3**		**50**	**6.8**	**pg/L**
1,2,3,4,7,8-HxCDF	ND		50	9.0	pg/L
1,2,3,6,7,8-HxCDF	ND		50	7.9	pg/L
2,3,4,6,7,8-HxCDF	ND		50	8.7	pg/L
1,2,3,7,8,9-HxCDF	ND		50	9.6	pg/L
Total HxCDF	ND		50	9.0	pg/L
1,2,3,4,6,7,8-HpCDF	ND		50	8.0	pg/L
1,2,3,4,7,8,9-HpCDF	ND		50	9.8	pg/L
Total HpCDF	ND		50	9.8	pg/L
OCDF	ND		100	19	pg/L

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TestAmerica Irvine

Sample ID: ISJ0843-09

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 001	**Work Order #....:**	LMDPC1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Dilution Factor:**	1
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	996 mL	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	73	40 - 135
13C-1,2,3,7,8-PeCDD	61	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	77	40 - 135
13C-OCDD	60	40 - 135
13C-2,3,7,8-TCDF	68	40 - 135
13C-1,2,3,7,8-PeCDF	63	40 - 135
13C-1,2,3,4,7,8-HxCDF	73	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	76	40 - 135

QUALIFIERS

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

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TestAmerica Irvine

Sample ID: ISJ0843-10

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 002	**Work Order #....:**	LMDPD1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Dilution Factor:**	1.01
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	992.8 mL	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT	REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND	10	3.5	pg/L
Total TCDD	ND	10	3.5	pg/L
1,2,3,7,8-PeCDD	ND	51	10	pg/L
Total PeCDD	ND	51	10	pg/L
1,2,3,4,7,8-HxCDD	ND	51	7.4	pg/L
1,2,3,6,7,8-HxCDD	ND	51	6.3	pg/L
1,2,3,7,8,9-HxCDD	ND	51	6.3	pg/L
Total HxCDD	ND	51	7.4	pg/L
1,2,3,4,6,7,8-HpCDD	ND	51	8.3	pg/L
Total HpCDD	ND	51	8.3	pg/L
OCDD	ND	100	18	pg/L
2,3,7,8-TCDF	ND	10	2.7	pg/L
Total TCDF	ND	10	2.7	pg/L
1,2,3,7,8-PeCDF	ND	51	6.1	pg/L
2,3,4,7,8-PeCDF	ND	51	6.2	pg/L
Total PeCDF	ND	51	6.2	pg/L
1,2,3,4,7,8-HxCDF	ND	51	6.6	pg/L
1,2,3,6,7,8-HxCDF	ND	51	5.8	pg/L
2,3,4,6,7,8-HxCDF	ND	51	6.4	pg/L
1,2,3,7,8,9-HxCDF	ND	51	7.1	pg/L
Total HxCDF	ND	51	7.1	pg/L
1,2,3,4,6,7,8-HpCDF	ND	51	8.0	pg/L
1,2,3,4,7,8,9-HpCDF	ND	51	9.8	pg/L
Total HpCDF	ND	51	9.8	pg/L
OCDF	ND	100	17	pg/L

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TestAmerica Irvine

Sample ID: ISJ0843-10

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 002	**Work Order #....:**	LMDPD1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Dilution Factor:**	1.01
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	992.8 mL	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	65	40 - 135
13C-1,2,3,7,8-PeCDD	58	40 - 135
13C-1,2,3,6,7,8-HxCDD	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	70	40 - 135
13C-OCDD	53	40 - 135
13C-2,3,7,8-TCDF	62	40 - 135
13C-1,2,3,7,8-PeCDF	55	40 - 135
13C-1,2,3,4,7,8-HxCDF	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135

QUALIFIERS

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QC DATA ASSOCIATION SUMMARY

G9J100155

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8290		9286421	
002	WATER	SW846 8290		9286421	

Method Blank Report

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J130000 - 421B	**Work Order #....:**	LMHDM1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Dilution Factor:**	1
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	1000 mL	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		REPORTING LIMIT	ESTIMATED DETECTION LIMIT	UNITS
2,3,7,8-TCDD	ND		10	4.6	pg/L
Total TCDD	ND		10	4.6	pg/L
1,2,3,7,8-PeCDD	ND		50	12	pg/L
Total PeCDD	ND		50	12	pg/L
1,2,3,4,7,8-HxCDD	ND		50	8.0	pg/L
1,2,3,6,7,8-HxCDD	ND		50	6.9	pg/L
1,2,3,7,8,9-HxCDD	ND		50	6.9	pg/L
Total HxCDD	ND		50	8.0	pg/L
1,2,3,4,6,7,8-HpCDD	ND		50	11	pg/L
Total HpCDD	ND		50	11	pg/L
OCDD	ND		100	18	pg/L
2,3,7,8-TCDF	**4.8**	**J Q**	**10**	**3.4**	**pg/L**
Total TCDF	**9.1**		**10**	**3.4**	**pg/L**
1,2,3,7,8-PeCDF	ND		50	6.4	pg/L
2,3,4,7,8-PeCDF	ND		50	6.6	pg/L
Total PeCDF	ND		50	10	pg/L
1,2,3,4,7,8-HxCDF	ND		50	8.3	pg/L
1,2,3,6,7,8-HxCDF	ND		50	7.3	pg/L
2,3,4,6,7,8-HxCDF	ND		50	8.0	pg/L
1,2,3,7,8,9-HxCDF	ND		50	8.8	pg/L
Total HxCDF	ND		50	8.8	pg/L
1,2,3,4,6,7,8-HpCDF	ND		50	8.2	pg/L
1,2,3,4,7,8,9-HpCDF	ND		50	10	pg/L
Total HpCDF	ND		50	10	pg/L
OCDF	ND		100	21	pg/L

Method Blank Report

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J130000 - 421B	**Work Order #....:**	LMHDM1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Dilution Factor:**	1
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Instrument ID....:**	1D5		
Initial Wgt/Vol :	1000 mL	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	61	40 - 135
13C-1,2,3,7,8-PeCDD	52	40 - 135
13C-1,2,3,6,7,8-HxCDD	78	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	69	40 - 135
13C-OCDD	52	40 - 135
13C-2,3,7,8-TCDF	57	40 - 135
13C-1,2,3,7,8-PeCDF	51	40 - 135
13C-1,2,3,4,7,8-HxCDF	66	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	69	40 - 135

QUALIFIERS

J Estimated Result.

Q Estimated maximum possible concentration (EMPC).

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LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot # ...:	G9J100155	**Work Order # ...:**	LMHDM1AC-LCS	**Matrix .....:**	WATER
LCS Lot-Sample# :	G9J130000 - 421				
Prep Date .....:	10/13/09	**Analysis Date ..:**	10/31/09		
Prep Batch # ...:	9286421				
Dilution Factor :	1				
Analyst ID.....:	Alora Kuczynski	**Instrument ID..:**	1D5	**Method.....:**	SW846 8290
Initial Wgt/Vol:	1000 mL				

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RECOVERY LIMITS
2,3,7,8-TCDD	**200**	**191**	**pg/L**	**95**	**(64 - 142)**
1,2,3,7,8-PeCDD	**1000**	**1090**	**pg/L**	**109**	**(71 - 140)**
1,2,3,4,7,8-HxCDD	**1000**	**904**	**pg/L**	**90**	**(56 - 146)**
1,2,3,6,7,8-HxCDD	**1000**	**972**	**pg/L**	**97**	**(73 - 144)**
1,2,3,7,8,9-HxCDD	**1000**	**961**	**pg/L**	**96**	**(71 - 151)**
1,2,3,4,6,7,8-HpCDD	**1000**	**980**	**pg/L**	**98**	**(78 - 139)**
OCDD	**2000**	**2060**	**pg/L**	**103**	**(80 - 132)**
2,3,7,8-TCDF	**200**	**190**	**pg/L**	**95**	**(71 - 142)**
1,2,3,7,8-PeCDF	**1000**	**1010**	**pg/L**	**101**	**(76 - 135)**
2,3,4,7,8-PeCDF	**1000**	**1000**	**pg/L**	**100**	**(74 - 137)**
1,2,3,4,7,8-HxCDF	**1000**	**984**	**pg/L**	**98**	**(75 - 131)**
1,2,3,6,7,8-HxCDF	**1000**	**1020**	**pg/L**	**102**	**(76 - 133)**
2,3,4,6,7,8-HxCDF	**1000**	**1080**	**pg/L**	**108**	**(80 - 137)**
1,2,3,7,8,9-HxCDF	**1000**	**1020**	**pg/L**	**102**	**(77 - 142)**
1,2,3,4,6,7,8-HpCDF	**1000**	**972**	**pg/L**	**97**	**(79 - 133)**
1,2,3,4,7,8,9-HpCDF	**1000**	**907**	**pg/L**	**91**	**(83 - 130)**
OCDF	**2000**	**1950**	**pg/L**	**98**	**(72 - 140)**

INTERNAL STANDARD	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	67	(40 - 135)
13C-1,2,3,7,8-PeCDD	58	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	76	(40 - 135)
13C-OCDD	56	(40 - 135)
13C-2,3,7,8-TCDF	60	(40 - 135)
13C-1,2,3,7,8-PeCDF	59	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	69	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	69	(40 - 135)

Notes:

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

Bold print denotes control parameters

WATER, 8290, Dioxins/Furans with Totals TEQ: EPA, ND = 0

TestAmerica Irvine

Sample ID: ISJ0843-09

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 001	**Work Order #....:**	LMDPC1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Instrument ID....:**	1D5
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Dilution Factor....:**	1	**Units.....:**	pg/L
Initial Wgt/Vol :	996 mL	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND		10	1.000	0
Total TCDD	ND		10		0
1,2,3,7,8-PeCDD	ND		50	0.500	0
Total PeCDD	**12**		**50**		
1,2,3,4,7,8-HxCDD	ND		50	0.100	0
1,2,3,6,7,8-HxCDD	ND		50	0.100	0
1,2,3,7,8,9-HxCDD	ND		50	0.100	0
Total HxCDD	ND		50		0
1,2,3,4,6,7,8-HpCDD	ND		50	0.010	0
Total HpCDD	ND		50		0
OCDD	**44**	**J Q**	**100**	**0.001**	**0.044**
2,3,7,8-TCDF	**9.8**	**J B**	**10**	**0.100**	**0.98**
Total TCDF	**20**		**10**		
1,2,3,7,8-PeCDF	ND		50	0.050	0
2,3,4,7,8-PeCDF	ND		50	0.500	0
Total PeCDF	**9.3**		**50**		
1,2,3,4,7,8-HxCDF	ND		50	0.100	0
1,2,3,6,7,8-HxCDF	ND		50	0.100	0
2,3,4,6,7,8-HxCDF	ND		50	0.100	0
1,2,3,7,8,9-HxCDF	ND		50	0.100	0
Total HxCDF	ND		50		0
1,2,3,4,6,7,8-HpCDF	ND		50	0.010	0
1,2,3,4,7,8,9-HpCDF	ND		50	0.010	0
Total HpCDF	ND		50		0
OCDF	ND		100	0.001	0
Total TEQ Concentration					**1.0**

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TestAmerica Irvine

Sample ID: ISJ0843-09

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 001	**Work Order #....:**	LMDPC1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Instrument ID....:**	1D5
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Dilution Factor....:**	1	**Units.....:**	pg/L
Initial Wgt/Vol :	996 mL	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	73	40 - 135
13C-1,2,3,7,8-PeCDD	61	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	77	40 - 135
13C-OCDD	60	40 - 135
13C-2,3,7,8-TCDF	68	40 - 135
13C-1,2,3,7,8-PeCDF	63	40 - 135
13C-1,2,3,4,7,8-HxCDF	73	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	76	40 - 135

QUALIFIERS

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

B	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J	Estimated Result.
Q	Estimated maximum possible concentration (EMPC).

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TestAmerica Irvine

Sample ID: ISJ0843-10

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 002	**Work Order #....:**	LMDPD1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Instrument ID....:**	1D5
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Dilution Factor....:**	1.01	**Units.....:**	pg/L
Initial Wgt/Vol :	992.8 mL	**Analyst ID....:**	Alora Kuczynski		

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	10	1.000	0
Total TCDD	ND	10		0
1,2,3,7,8-PeCDD	ND	51	0.500	0
Total PeCDD	ND	51		0
1,2,3,4,7,8-HxCDD	ND	51	0.100	0
1,2,3,6,7,8-HxCDD	ND	51	0.100	0
1,2,3,7,8,9-HxCDD	ND	51	0.100	0
Total HxCDD	ND	51		0
1,2,3,4,6,7,8-HpCDD	ND	51	0.010	0
Total HpCDD	ND	51		0
OCDD	ND	100	0.001	0
2,3,7,8-TCDF	ND	10	0.100	0
Total TCDF	ND	10		0
1,2,3,7,8-PeCDF	ND	51	0.050	0
2,3,4,7,8-PeCDF	ND	51	0.500	0
Total PeCDF	ND	51		0
1,2,3,4,7,8-HxCDF	ND	51	0.100	0
1,2,3,6,7,8-HxCDF	ND	51	0.100	0
2,3,4,6,7,8-HxCDF	ND	51	0.100	0
1,2,3,7,8,9-HxCDF	ND	51	0.100	0
Total HxCDF	ND	51		0
1,2,3,4,6,7,8-HpCDF	ND	51	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	51	0.010	0
Total HpCDF	ND	51		0
OCDF	ND	100	0.001	0
Total TEQ Concentration				**0.00**

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TestAmerica Irvine

Sample ID: ISJ0843-10

Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G9J100155 - 002	**Work Order #....:**	LMDPD1AA	**Matrix....:**	WATER
Date Sampled....:	10/08/09	**Date Received....:**	10/10/09	**Instrument ID....:**	1D5
Prep Date....:	10/13/09	**Analysis Date....:**	10/31/09		
Prep Batch # ....:	9286421	**Dilution Factor....:**	1.01	**Units.....:**	pg/L
Initial Wgt/Vol :	992.8 mL	**Analyst ID....:**	Alora Kuczynski		

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	65	40 - 135
13C-1,2,3,7,8-PeCDD	58	40 - 135
13C-1,2,3,6,7,8-HxCDD	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	70	40 - 135
13C-OCDD	53	40 - 135
13C-2,3,7,8-TCDF	62	40 - 135
13C-1,2,3,7,8-PeCDF	55	40 - 135
13C-1,2,3,4,7,8-HxCDF	65	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	71	40 - 135

QUALIFIERS

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

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