ANALYTICAL REPORT

PROJECT NO. GW P.O.#08421

PTI - Santa Fe Springs

Lot #: E2D160275

Sharon Wallin

Camp, Dresser, McKee

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

April 22, 2002

ANALYTICAL REPORT

PROJECT NO. GW P.O.#08421

PTI - Santa Fe Springs

Lot #: E2D160275

Jim Morzolino

Phibro-Tech, Inc.

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

April 22, 2002

ANALYTICAL REPORT

PROJECT NO. GW P.O.#08421

PTI - Santa Fe Springs

Lot #: E2D160275

John Bennett

SEVERN TRENT LABORATORIES, INC.

Diane Suzuki
Project Manager

April 22, 2002

EXECUTIVE SUMMARY - Detection Highlights

E2D160275

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
PTI-MW1S-053 04/16/02 14:30 001				
1,2-Dichloroethane	1.2	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.0	1.0	ug/L	SW846 8260B
Tetrachloroethene	1.2	1.0	ug/L	SW846 8260B
Trichloroethene	5.3	1.0	ug/L	SW846 8260B
pH	7.1	0.10	No Units	SW846 9040B
PTI-MW1D-053 04/16/02 15:20 002				
Tetrachloroethene	3.9	1.0	ug/L	SW846 8260B
Trichloroethene	3.3	1.0	ug/L	SW846 8260B
pH	7.5	0.10	No Units	SW846 9040B
PTI-EB01-053 04/16/02 15:40 004				
pH	6.2	0.10	No Units	SW846 9040B
PTI-MW3-053 04/16/02 16:20 005				
Carbon tetrachloride	36	5.0	ug/L	SW846 8260B
Chloroform	38	5.0	ug/L	SW846 8260B
1,1-Dichloroethane	44	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	35	5.0	ug/L	SW846 8260B
Trichloroethene	280	5.0	ug/L	SW846 8260B
pH	7.1	0.10	No Units	SW846 9040B

METHODS SUMMARY

E2D160275

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH Aqueous	SW846 9040B	SW846 9040B
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

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

SAMPLE SUMMARY

E2D160275

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EX1DG	001	PTI-MW1S-053	04/16/02	14:30
EX1DJ	002	PTI-MW1D-053	04/16/02	15:20
EX1DK	003	PTI-TB01-053	04/16/02	12:00
EX1DL	004	PTI-EB01-053	04/16/02	15:40
EX1DP	005	PTI-MW3-053	04/16/02	16:20

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.

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW1S-053

GC/MS Volatiles

Lot-Sample #...: E2D160275-001 **Work Order #...:** EX1DG1AA **Matrix.....:** WATER
Date Sampled...: 04/16/02 14:30 **Date Received..:** 04/16/02 17:20 **MS Run #.....:** 2107084
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107274 **Analysis Time..:** 05:16
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.30
Bromodichloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	**1.2**	**1.0**	**ug/L**	**0.40**
1,1-Dichloroethene	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	**1.0**	**1.0**	**ug/L**	**0.30**
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	**1.2**	**1.0**	**ug/L**	**0.30**
Toluene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	**5.3**	**1.0**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	2.0	ug/L	0.30
Vinyl chloride	ND	2.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	128	(65 - 135)
Toluene-d8	93	(80 - 130)

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW1S-053

TOTAL Metals

Lot-Sample #...: E2D160275-001 **Matrix.....:** WATER
Date Sampled...: 04/16/02 14:30 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2107287						
Cadmium	ND	0.0050	mg/L	SW846 6010B	04/17-04/18/02	EX1DG1AC
		Analysis Time..: 14:15		MS Run #.....: 2107098	MDL.....: 0.00060	
Chromium	ND	0.010	mg/L	SW846 6010B	04/17-04/18/02	EX1DG1AD
		Analysis Time..: 14:15		MS Run #.....: 2107098	MDL.....: 0.0010	
Copper	ND	0.025	mg/L	SW846 6010B	04/17-04/18/02	EX1DG1AE
		Analysis Time..: 14:15		MS Run #.....: 2107098	MDL.....: 0.0040	

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW1S-053

General Chemistry

Lot-Sample #...: E2D160275-001 **Work Order #...:** EX1DG **Matrix.....:** WATER
Date Sampled...: 04/16/02 14:30 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**7.1**	**0.10**	**No Units**	**SW846 9040B**	**04/16/02**	**2106515**

Analysis Time..: 17:53 MS Run #.....: 2106295 MDL.....:

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW1D-053

GC/MS Volatiles

Lot-Sample #...: E2D160275-002 **Work Order #...:** EX1DJ1AA **Matrix.....:** WATER
Date Sampled...: 04/16/02 15:20 **Date Received..:** 04/16/02 17:20 **MS Run #.....:** 2107084
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107274 **Analysis Time..:** 05:46
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.30
Bromodichloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	**3.9**	**1.0**	**ug/L**	**0.30**
Toluene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	**3.3**	**1.0**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	2.0	ug/L	0.30
Vinyl chloride	ND	2.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	95	(75 - 130)
1,2-Dichloroethane-d4	124	(65 - 135)
Toluene-d8	89	(80 - 130)

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW1D-053

TOTAL Metals

Lot-Sample #...: E2D160275-002 **Matrix.....:** WATER
Date Sampled...: 04/16/02 15:20 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2107287						
Cadmium	ND	0.0050	mg/L	SW846 6010B	04/17-04/18/02	EX1DJ1AC
		Analysis Time..: 14:47		MS Run #.....: 2107098	MDL.....: 0.00060	
Chromium	ND	0.010	mg/L	SW846 6010B	04/17-04/18/02	EX1DJ1AD
		Analysis Time..: 14:47		MS Run #.....: 2107098	MDL.....: 0.0010	
Copper	ND	0.025	mg/L	SW846 6010B	04/17-04/18/02	EX1DJ1AE
		Analysis Time..: 14:47		MS Run #.....: 2107098	MDL.....: 0.0040	

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW1D-053

General Chemistry

Lot-Sample #...: E2D160275-002 **Work Order #...:** EX1DJ **Matrix.....:** WATER
Date Sampled...: 04/16/02 15:20 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**7.5**	**0.10**	**No Units**	**SW846 9040B**	**04/16/02**	**2106515**

Analysis Time..: 17:59 MS Run #.....: 2106295 MDL.....:

PHIBRO-TECH, INC.

Client Sample ID: PTI-TB01-053

GC/MS Volatiles

Lot-Sample #...: E2D160275-003 **Work Order #...:** EX1DK1AA **Matrix.....:** WATER
Date Sampled...: 04/16/02 12:00 **Date Received..:** 04/16/02 17:20 **MS Run #.....:** 2107084
Prep Date.....: 04/16/02 **Analysis Date..:** 04/16/02
Prep Batch #...: 2107274 **Analysis Time..:** 23:52
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.30
Bromodichloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
Vinyl chloride	ND	2.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	118	(65 - 135)
Toluene-d8	94	(80 - 130)

PHIBRO-TECH, INC.

Client Sample ID: PTI-EB01-053

GC/MS Volatiles

Lot-Sample #...: E2D160275-004 **Work Order #...:** EX1DL1AA **Matrix.....:** WATER
Date Sampled...: 04/16/02 15:40 **Date Received..:** 04/16/02 17:20 **MS Run #.....:** 2107084
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107274 **Analysis Time..:** 00:21
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.0	ug/L	0.30
Bromodichloromethane	ND	1.0	ug/L	0.30
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	1.0
Carbon tetrachloride	ND	1.0	ug/L	0.30
Chlorobenzene	ND	1.0	ug/L	0.30
Dibromochloromethane	ND	1.0	ug/L	0.40
Chloroethane	ND	2.0	ug/L	0.30
Chloroform	ND	1.0	ug/L	0.30
Chloromethane	ND	2.0	ug/L	0.30
1,2-Dichlorobenzene	ND	1.0	ug/L	0.30
1,3-Dichlorobenzene	ND	1.0	ug/L	0.30
1,4-Dichlorobenzene	ND	1.0	ug/L	0.30
1,1-Dichloroethane	ND	1.0	ug/L	0.20
1,2-Dichloroethane	ND	1.0	ug/L	0.40
1,1-Dichloroethene	ND	1.0	ug/L	0.30
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.30
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.30
1,2-Dichloropropane	ND	1.0	ug/L	0.30
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.30
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.50
Ethylbenzene	ND	1.0	ug/L	0.20
Methylene chloride	ND	1.0	ug/L	0.30
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.40
Tetrachloroethene	ND	1.0	ug/L	0.30
Toluene	ND	1.0	ug/L	0.30
1,1,1-Trichloroethane	ND	1.0	ug/L	0.20
1,1,2-Trichloroethane	ND	1.0	ug/L	0.30
Trichloroethene	ND	1.0	ug/L	0.30
Trichlorofluoromethane	ND	2.0	ug/L	0.30
Vinyl chloride	ND	2.0	ug/L	0.30
m-Xylene & p-Xylene	ND	1.0	ug/L	0.50
o-Xylene	ND	1.0	ug/L	0.20

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	99	(75 - 130)
1,2-Dichloroethane-d4	117	(65 - 135)
Toluene-d8	92	(80 - 130)

PHIBRO-TECH, INC.

Client Sample ID: PTI-EB01-053

TOTAL Metals

Lot-Sample #...: E2D160275-004 **Matrix.....:** WATER
Date Sampled...: 04/16/02 15:40 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2107287						
Cadmium	ND	0.0050	mg/L	SW846 6010B	04/17-04/18/02	EX1DL1AC
		Analysis Time..: 15:09		MS Run #.....: 2107098	MDL.....: 0.00060	
Chromium	ND	0.010	mg/L	SW846 6010B	04/17-04/18/02	EX1DL1AD
		Analysis Time..: 15:09		MS Run #.....: 2107098	MDL.....: 0.0010	
Copper	ND	0.025	mg/L	SW846 6010B	04/17-04/18/02	EX1DL1AE
		Analysis Time..: 15:09		MS Run #.....: 2107098	MDL.....: 0.0040	

PHIBRO-TECH, INC.

Client Sample ID: PTI-EB01-053

General Chemistry

Lot-Sample #...: E2D160275-004 **Work Order #...:** EX1DL **Matrix.....:** WATER
Date Sampled...: 04/16/02 15:40 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**6.2**	**0.10**	**No Units**	**SW846 9040B**	**04/16/02**	**2106515**

Analysis Time..: 18:02 MS Run #.....: 2106295 MDL.....:

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW3-053

GC/MS Volatiles

Lot-Sample #...: E2D160275-005 **Work Order #...:** EX1DP1AA **Matrix.....:** WATER
Date Sampled...: 04/16/02 16:20 **Date Received..:** 04/16/02 17:20 **MS Run #.....:** 2107242
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107560 **Analysis Time..:** 13:53
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	5.0	ug/L	1.5
Bromodichloromethane	ND	5.0	ug/L	1.5
Bromoform	ND	5.0	ug/L	1.5
Bromomethane	ND	10	ug/L	5.0
Carbon tetrachloride	**36**	**5.0**	**ug/L**	**1.5**
Chlorobenzene	ND	5.0	ug/L	1.5
Dibromochloromethane	ND	5.0	ug/L	2.0
Chloroethane	ND	10	ug/L	1.5
Chloroform	**38**	**5.0**	**ug/L**	**1.5**
Chloromethane	ND	10	ug/L	1.5
1,2-Dichlorobenzene	ND	5.0	ug/L	1.5
1,3-Dichlorobenzene	ND	5.0	ug/L	1.5
1,4-Dichlorobenzene	ND	5.0	ug/L	1.5
1,1-Dichloroethane	**44**	**5.0**	**ug/L**	**1.0**
1,2-Dichloroethane	ND	5.0	ug/L	2.0
1,1-Dichloroethene	**35**	**5.0**	**ug/L**	**1.5**
cis-1,2-Dichloroethene	ND	5.0	ug/L	1.5
trans-1,2-Dichloroethene	ND	5.0	ug/L	1.5
1,2-Dichloropropane	ND	5.0	ug/L	1.5
cis-1,3-Dichloropropene	ND	5.0	ug/L	1.5
trans-1,3-Dichloropropene	ND	5.0	ug/L	2.5
Ethylbenzene	ND	5.0	ug/L	1.0
Methylene chloride	ND	5.0	ug/L	1.5
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	2.0
Tetrachloroethene	ND	5.0	ug/L	1.5
Toluene	ND	5.0	ug/L	1.5
1,1,1-Trichloroethane	ND	5.0	ug/L	1.0
1,1,2-Trichloroethane	ND	5.0	ug/L	1.5
Trichloroethene	**280**	**5.0**	**ug/L**	**1.5**
Trichlorofluoromethane	ND	10	ug/L	1.5
Vinyl chloride	ND	10	ug/L	1.5
m-Xylene & p-Xylene	ND	5.0	ug/L	2.5
o-Xylene	ND	5.0	ug/L	1.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	98	(75 - 130)
1,2-Dichloroethane-d4	101	(65 - 135)
Toluene-d8	97	(80 - 130)

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW3-053

TOTAL Metals

Lot-Sample #...: E2D160275-005 **Matrix.....:** WATER
Date Sampled...: 04/16/02 16:20 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2107287						
Cadmium	ND	0.0050	mg/L	SW846 6010B	04/17-04/18/02	EX1DP1AC
		Analysis Time..: 15:19		MS Run #.....: 2107098	MDL.....: 0.00060	
Chromium	ND	0.010	mg/L	SW846 6010B	04/17-04/18/02	EX1DP1AD
		Analysis Time..: 15:19		MS Run #.....: 2107098	MDL.....: 0.0010	
Copper	ND	0.025	mg/L	SW846 6010B	04/17-04/18/02	EX1DP1AE
		Analysis Time..: 15:19		MS Run #.....: 2107098	MDL.....: 0.0040	

PHIBRO-TECH, INC.

Client Sample ID: PTI-MW3-053

General Chemistry

Lot-Sample #...: E2D160275-005 **Work Order #...:** EX1DP **Matrix.....:** WATER
Date Sampled...: 04/16/02 16:20 **Date Received..:** 04/16/02 17:20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	**7.1**	**0.10**	**No Units**	**SW846 9040B**	**04/16/02**	**2106515**

Analysis Time..: 18:05 MS Run #.....: 2106295 MDL.....:

QC DATA ASSOCIATION SUMMARY

E2D160275

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 9040B		2106515	2106295
	WATER	SW846 8260B		2107274	2107084
	WATER	SW846 6010B		2107287	2107098
002	WATER	SW846 9040B		2106515	2106295
	WATER	SW846 8260B		2107274	2107084
	WATER	SW846 6010B		2107287	2107098
003	WATER	SW846 8260B		2107274	2107084
004	WATER	SW846 9040B		2106515	2106295
	WATER	SW846 8260B		2107274	2107084
	WATER	SW846 6010B		2107287	2107098
005	WATER	SW846 9040B		2106515	2106295
	WATER	SW846 8260B		2107560	2107242
	WATER	SW846 6010B		2107287	2107098

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX11W1AA **Matrix.....:** WATER
MB Lot-Sample #: E2D170000-274
Prep Date.....: 04/16/02 **Analysis Time..:** 21:53
Analysis Date..: 04/16/02 **Prep Batch #...:** 2107274

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	94	(75 - 130)
1,2-Dichloroethane-d4	106	(65 - 135)
Toluene-d8	88	(80 - 130)

NOTE(S):

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

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX3LC1AA **Matrix.....:** WATER
MB Lot-Sample #: E2D170000-560
Prep Date.....: 04/17/02 **Analysis Time..:** 12:54
Analysis Date..: 04/17/02 **Prep Batch #...:** 2107560

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	117	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: E2D160275 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: E2D170000-287 **Prep Batch #...:** 2107287						
Cadmium	ND	0.0050	mg/L	SW846 6010B	04/17-04/18/02	EX14C1AA
		Analysis Time..: 13:36				
Chromium	ND	0.010	mg/L	SW846 6010B	04/17-04/18/02	EX14C1AC
		Analysis Time..: 13:36				
Copper	ND	0.025	mg/L	SW846 6010B	04/17-04/18/02	EX14C1AD
		Analysis Time..: 13:36				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX11W1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2D170000-274
Prep Date.....: 04/16/02 **Analysis Date..:** 04/16/02
Prep Batch #...: 2107274 **Analysis Time..:** 21:24

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**93**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**96**	**(75 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(70 - 140)**	**SW846 8260B**
Toluene	**96**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**103**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	108	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX11W1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2D170000-274
Prep Date.....: 04/16/02 **Analysis Date..:** 04/16/02
Prep Batch #...: 2107274 **Analysis Time..:** 21:24

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**9.33**	**ug/L**	**93**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.63**	**ug/L**	**96**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Toluene	**10.0**	**9.64**	**ug/L**	**96**	**SW846 8260B**
Trichloroethene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	100	(75 - 130)
1,2-Dichloroethane-d4	108	(65 - 135)
Toluene-d8	96	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX3LC1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2D170000-560
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107560 **Analysis Time..:** 12:21

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**88**	**(75 - 120)**	**SW846 8260B**
Chlorobenzene	**92**	**(75 - 120)**	**SW846 8260B**
1,1-Dichloroethene	**100**	**(70 - 140)**	**SW846 8260B**
Toluene	**93**	**(75 - 125)**	**SW846 8260B**
Trichloroethene	**94**	**(70 - 130)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	117	(75 - 130)
1,2-Dichloroethane-d4	122	(65 - 135)
Toluene-d8	114	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX3LC1AC **Matrix.....:** WATER
LCS Lot-Sample#: E2D170000-560
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107560 **Analysis Time..:** 12:21

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**10.0**	**8.85**	**ug/L**	**88**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.20**	**ug/L**	**92**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**9.97**	**ug/L**	**100**	**SW846 8260B**
Toluene	**10.0**	**9.30**	**ug/L**	**93**	**SW846 8260B**
Trichloroethene	**10.0**	**9.37**	**ug/L**	**94**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	117	(75 - 130)
1,2-Dichloroethane-d4	122	(65 - 135)
Toluene-d8	114	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2D160275 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E2D170000-287 **Prep Batch #...:** 2107287					
Cadmium	98	(80 - 120)	SW846 6010B	04/17-04/18/02	EX14C1AE
		Analysis Time..: 13:43			
Chromium	98	(85 - 120)	SW846 6010B	04/17-04/18/02	EX14C1AF
		Analysis Time..: 13:43			
Copper	99	(80 - 120)	SW846 6010B	04/17-04/18/02	EX14C1AG
		Analysis Time..: 13:43			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2D160275 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: E2D170000-287 **Prep Batch #...:** 2107287							
Cadmium	0.0500	0.0490	mg/L	98	SW846 6010B	04/17-04/18/02	EX14C1AE
			Analysis Time..: 13:43				
Chromium	0.200	0.196	mg/L	98	SW846 6010B	04/17-04/18/02	EX14C1AF
			Analysis Time..: 13:43				
Copper	0.250	0.246	mg/L	99	SW846 6010B	04/17-04/18/02	EX14C1AG
			Analysis Time..: 13:43				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: E2D160275 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: EX1DR1AA	LCS Lot-Sample#: E2D160000-515		
	100	(90 - 110)	SW846 9040B	04/16/02	2106515
		Analysis Time..: 17:50			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: E2D160275 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			Work Order #: EX1DR1AA		LCS Lot-Sample#: E2D160000-515		
	9.18	9.19	No Units	100	SW846 9040B	04/16/02	2106515
			Analysis Time..: 17:50				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EXX7G1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: E2D160161-002 EXX7G1AG-MSD
Date Sampled...: 04/15/02 10:00 **Date Received..:** 04/16/02 09:20 **MS Run #.....:** 2107084
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107274 **Analysis Time..:** 06:15

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**92**	**(75 - 120)**			**SW846 8260B**
	93	**(75 - 120)**	**0.53**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**96**	**(75 - 120)**			**SW846 8260B**
	95	**(75 - 120)**	**0.94**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**101**	**(70 - 140)**			**SW846 8260B**
	103	**(70 - 140)**	**2.1**	**(0-25)**	**SW846 8260B**
Toluene	**92**	**(75 - 125)**			**SW846 8260B**
	94	**(75 - 125)**	**2.2**	**(0-25)**	**SW846 8260B**
Trichloroethene	**101**	**(70 - 130)**			**SW846 8260B**
	100	**(70 - 130)**	**0.39**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
	101	(75 - 130)
1,2-Dichloroethane-d4	127	(65 - 135)
	119	(65 - 135)
Toluene-d8	92	(80 - 130)
	93	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EXX7G1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: E2D160161-002 EXX7G1AG-MSD
Date Sampled...: 04/15/02 10:00 **Date Received..:** 04/16/02 09:20 **MS Run #.....:** 2107084
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107274 **Analysis Time..:** 06:15

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**9.25**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.30**	**ug/L**	**93**	**0.53**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.58**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**9.49**	**ug/L**	**95**	**0.94**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**10.1**	**ug/L**	**101**		**SW846 8260B**
	ND	**10.0**	**10.3**	**ug/L**	**103**	**2.1**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.16**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.36**	**ug/L**	**94**	**2.2**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**10.1**	**ug/L**	**101**		**SW846 8260B**
	ND	**10.0**	**10.0**	**ug/L**	**100**	**0.39**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 130)
	101	(75 - 130)
1,2-Dichloroethane-d4	127	(65 - 135)
	119	(65 - 135)
Toluene-d8	92	(80 - 130)
	93	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX1941AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E2D170163-002 EX1941AD-MSD
Date Sampled...: 04/16/02 12:00 **Date Received..:** 04/17/02 09:45 **MS Run #.....:** 2107242
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107560 **Analysis Time..:** 19:47

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**96**	**(75 - 120)**			**SW846 8260B**
	94	**(75 - 120)**	**2.2**	**(0-25)**	**SW846 8260B**
Chlorobenzene	**99**	**(75 - 120)**			**SW846 8260B**
	96	**(75 - 120)**	**2.5**	**(0-25)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(70 - 140)**			**SW846 8260B**
	101	**(70 - 140)**	**2.7**	**(0-25)**	**SW846 8260B**
Toluene	**97**	**(75 - 125)**			**SW846 8260B**
	93	**(75 - 125)**	**4.5**	**(0-25)**	**SW846 8260B**
Trichloroethene	**102**	**(70 - 130)**			**SW846 8260B**
	98	**(70 - 130)**	**3.3**	**(0-25)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(75 - 130)
	99	(75 - 130)
1,2-Dichloroethane-d4	120	(65 - 135)
	116	(65 - 135)
Toluene-d8	93	(80 - 130)
	93	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E2D160275 **Work Order #...:** EX1941AC-MS **Matrix.....:** WATER
MS Lot-Sample #: E2D170163-002 EX1941AD-MSD
Date Sampled...: 04/16/02 12:00 **Date Received..:** 04/17/02 09:45 **MS Run #.....:** 2107242
Prep Date.....: 04/17/02 **Analysis Date..:** 04/17/02
Prep Batch #...: 2107560 **Analysis Time..:** 19:47

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**10.0**	**9.63**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**9.42**	**ug/L**	**94**	**2.2**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.86**	**ug/L**	**99**		**SW846 8260B**
	ND	**10.0**	**9.62**	**ug/L**	**96**	**2.5**	**SW846 8260B**
1,1-Dichloroethene	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.1**	**ug/L**	**101**	**2.7**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.71**	**ug/L**	**97**		**SW846 8260B**
	ND	**10.0**	**9.28**	**ug/L**	**93**	**4.5**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	ND	**10.0**	**9.82**	**ug/L**	**98**	**3.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	103	(75 - 130)
	99	(75 - 130)
1,2-Dichloroethane-d4	120	(65 - 135)
	116	(65 - 135)
Toluene-d8	93	(80 - 130)
	93	(80 - 130)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: E2D160275 **Matrix.....:** WATER
Date Sampled...: 04/16/02 14:30 **Date Received..:** 04/16/02 17:20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E2D160275-001 **Prep Batch #...:** 2107287							
Cadmium	100	(80 - 120)			SW846 6010B	04/17-04/18/02	EX1DG1AJ
	97	(80 - 120)	2.4	(0-20)	SW846 6010B	04/17-04/18/02	EX1DG1AK
		Analysis Time..: 14:31					
		MS Run #.....: 2107098					
Chromium	102	(85 - 120)			SW846 6010B	04/17-04/18/02	EX1DG1AL
	99	(85 - 120)	2.8	(0-20)	SW846 6010B	04/17-04/18/02	EX1DG1AM
		Analysis Time..: 14:31					
		MS Run #.....: 2107098					
Copper	111	(80 - 120)			SW846 6010B	04/17-04/18/02	EX1DG1AN
	107	(80 - 120)	3.3	(0-20)	SW846 6010B	04/17-04/18/02	EX1DG1AP
		Analysis Time..: 14:31					
		MS Run #.....: 2107098					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: E2D160275 **Matrix.....:** WATER
Date Sampled...: 04/16/02 14:30 **Date Received..:** 04/16/02 17:20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: E2D160275-001 **Prep Batch #...:** 2107287									
Cadmium									
	ND	0.0500	0.0505	mg/L	100		SW846 6010B	04/17-04/18/02	EX1DG1AJ
	ND	0.0500	0.0493	mg/L	97	2.4	SW846 6010B	04/17-04/18/02	EX1DG1AK
			Analysis Time..: 14:31						
			MS Run #.....: 2107098						
Chromium									
	ND	0.200	0.207	mg/L	102		SW846 6010B	04/17-04/18/02	EX1DG1AL
	ND	0.200	0.201	mg/L	99	2.8	SW846 6010B	04/17-04/18/02	EX1DG1AM
			Analysis Time..: 14:31						
			MS Run #.....: 2107098						
Copper									
	ND	0.250	0.281	mg/L	111		SW846 6010B	04/17-04/18/02	EX1DG1AN
	ND	0.250	0.272	mg/L	107	3.3	SW846 6010B	04/17-04/18/02	EX1DG1AP
			Analysis Time..: 14:31						
			MS Run #.....: 2107098						

NOTE(S):

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: E2D160275 **Work Order #...:** EX1DG-SMP EX1DG-DUP **Matrix.....:** WATER

Date Sampled...: 04/16/02 14:30 **Date Received..:** 04/16/02 17:20

% Moisture.....: **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: E2D160275-001		
	7.1	7.1	No Units	0.028	(0-0.0)	SW846 9040B	04/16/02	2106515

Analysis Time..: 17:53 MS Run Number..: 2106295