

# APPENDIX B

## *Laboratory Chain-of-Custody & Analytical Reports*



# Analysis Request/ Environmental Services Chain of Custody

For Lancaster Laboratories use only  
 Acct. # 2000 Group# 994079 Sample # 4797183-94 COC # 0124976  
994080 4797195-200

Please print. Instructions on reverse side correspond with circled numbers.

1 Client: Tetra Tech, Inc Acct. #: 02600  
 Project Name#: George & Lynch PWSID #: \_\_\_\_\_  
 Project Manager: Chris Geiger P.O.#: 713735.60  
 Sampler: Vadin Petrov Quote #: 203809A  
 Name of state where samples were collected: Delaware

2

Sample Identification	Date Collected	Time Collected	3 Composite			4 Matrix			Total # of Containers	5 Analyses Requested	6 Temperature of sample upon receipt (if required)
			Grb	Soil	Potable	Water	Other				
SB-2	6/13/06	0930	X	X	X	X	X	10	VOC SVOC PPE-Metals		
SB-4		1100		X	X	X	X	4			
SB-5		1140		X	X	X	X	4			
SB-6		1230		X	X	X	X	18			
SB-8		1440		X	X	X	X	9			
SB-9		1540		X	X	X	X	4			
SB-10		1600		X	X	X	X	12			
SB-12	6/13/06	1625		X	X	X	X	4			
TB-01	5/17/06	0700		X	X	X	X	2			

RECEIVED  
 JUL 13 2006  
 Remarks  
 TETRA TECH INC.  
 DE LOCATON  
 1 SVOC bottle collected

7

Turnaround Time Requested (TAT) (please circle):	Normal	Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)		
Date results are needed:		
Rush results requested by (please circle):	Phone	Fax
Phone #:		E-mail
E-mail address:		Fax #:

8

Data Package Options (please circle if required)	SDG Complete?
QC Summary	Type VI (Raw Data) Yes No
Type I (Tier I)	GLP Site-specific QC required? Yes No
Type II (Tier II)	Other (If yes, indicate QC sample and submit triplicate volume.)
Type III (NJ Red. Del.)	Internal Chain of Custody required? Yes No
Type IV (CLP)	

9

Relinquished by:	Date	Time	Received by:	Date	Time
Botlle Storage	5/19/06	7:00	MORRIS M HALLIDAY	5/19/06	7:00
MORRIS M HALLIDAY	5/19/06	10:05			
Vadin Petrov	6/14/06	1715	MORRIS M HALLIDAY	6/15/06	11:00
MORRIS M HALLIDAY	6/15/06	17:50			



ANALYTICAL RESULTS

Prepared for:

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

302-738-7551

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 994080. Samples arrived at the laboratory on Thursday, June 15, 2006. The PO# for this group is T13735.60.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
SB-2 Grab Water Sample	4797195
SB-6 Unspiked Grab Water Sample	4797196
SB-6 Matrix Spike Grab Water Sample	4797197
SB-6 Matrix Spike Dup Grab Water Sample	4797198
SB-6 Duplicate Grab Water Sample	4797199
SB-8 Grab Water Sample	4797200

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Tetra Tech, Inc.  
1 COPY TO Data Package Group

Attn: Chris Geiger



Questions? Contact your Client Services Representative  
Jennifer L Good at (717) 656-2300

Respectfully Submitted,

*Michele J. Smith*

Michele J. Smith  
Group Leader



Lancaster Laboratories Sample No. WW 4797195

SB-2 Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 09:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S2WGL SDG#: GLY02-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.00020	mg/l	1
07022	Thallium	7440-28-0	N.D.	0.0200	mg/l	1
07035	Arsenic	7440-38-2	N.D.	0.0200	mg/l	1
07036	Selenium	7782-49-2	N.D.	0.0200	mg/l	1
07044	Antimony	7440-36-0	N.D.	0.0200	mg/l	1
07047	Beryllium	7440-41-7	N.D.	0.0050	mg/l	1
07049	Cadmium	7440-43-9	N.D.	0.0050	mg/l	1
07051	Chromium	7440-47-3	0.0116 J	0.0150	mg/l	1
07053	Copper	7440-50-8	0.0072 J	0.0100	mg/l	1
07055	Lead	7439-92-1	N.D.	0.0200	mg/l	1
07061	Nickel	7440-02-0	0.0168	0.0100	mg/l	1
07066	Silver	7440-22-4	N.D.	0.0050	mg/l	1
07072	Zinc	7440-66-6	0.0502	0.0200	mg/l	1
01424 Acid Extractables SW846/8270						
03924	2-Chlorophenol	95-57-8	N.D.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	11.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	66.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	33.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	16.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	16.	ug/l	1
01425 Base Neutrals (SW846/8270)						
03935	N-Nitrosodimethylamine	62-75-9	N.D.	5.	ug/l	1
03936	bis(2-Chloroethyl)ether	111-44-4	N.D.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	5.	ug/l	1
03940	bis(2-Chloroisopropyl)ether	108-60-1	N.D.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	N.D.	5.	ug/l	1



Lancaster Laboratories Sample No. WW 4797195

SB-2 Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 09:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S2WGL SDG#: GLY02-01

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	06/21/2006 15:21	Nelli S Markaryan	1
07022	Thallium	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07035	Arsenic	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07044	Antimony	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07047	Beryllium	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07053	Copper	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07055	Lead	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07066	Silver	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
07072	Zinc	SW-846 6010B	1	07/04/2006 21:38	Eric L Eby	1
01424	Acid Extractables SW846/8270	SW-846 8270C	1	06/22/2006 13:55	Richard H Karam	1
01425	Base Neutrals (SW846/8270)	SW-846 8270C	1	06/22/2006 13:55	Richard H Karam	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	06/26/2006 23:48	Seth J Good	1
00813	BNA Water Extraction	SW-846 3510C	1	06/20/2006 16:30	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/26/2006 23:48	Seth J Good	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/23/2006 09:50	Megersa Deyessa	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	06/20/2006 18:45	Nelli S Markaryan	1



Lancaster Laboratories Sample No. WW 4797196

SB-6 Unspiked Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	N.D.	0.00020	mg/l	1
07022	Thallium	7440-28-0	N.D.	0.0200	mg/l	1
07035	Arsenic	7440-38-2	N.D.	0.0200	mg/l	1
07036	Selenium	7782-49-2	N.D.	0.0200	mg/l	1
07044	Antimony	7440-36-0	N.D.	0.0200	mg/l	1
07047	Beryllium	7440-41-7	N.D.	0.0050	mg/l	1
07049	Cadmium	7440-43-9	N.D.	0.0050	mg/l	1
07051	Chromium	7440-47-3	0.0056 J	0.0150	mg/l	1
07053	Copper	7440-50-8	0.0025 J	0.0100	mg/l	1
07055	Lead	7439-92-1	N.D.	0.0200	mg/l	1
07061	Nickel	7440-02-0	0.0077 J	0.0100	mg/l	1
07066	Silver	7440-22-4	N.D.	0.0050	mg/l	1
07072	Zinc	7440-66-6	0.0210	0.0200	mg/l	1
01424 Acid Extractables SW846/8270						
03924	2-Chlorophenol	95-57-8	N.D.	5.	ug/l	1
03925	Phenol	108-95-2	N.D.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	N.D.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	N.D.	11.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	N.D.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	N.D.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	N.D.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	N.D.	63.	ug/l	1
03932	4-Nitrophenol	100-02-7	N.D.	32.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	16.	ug/l	1
03934	Pentachlorophenol	87-86-5	N.D.	16.	ug/l	1
01425 Base Neutrals (SW846/8270)						
03935	N-Nitrosodimethylamine	62-75-9	N.D.	5.	ug/l	1
03936	bis(2-Chloroethyl) ether	111-44-4	N.D.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	N.D.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	5.	ug/l	1
03940	bis(2-Chloroisopropyl) ether	108-60-1	N.D.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	N.D.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	N.D.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	N.D.	5.	ug/l	1
03944	Isophorone	78-59-1	N.D.	5.	ug/l	1
03945	bis(2-Chloroethoxy) methane	111-91-1	N.D.	5.	ug/l	1



Lancaster Laboratories Sample No. WW 4797196

SB-6 Unspiked Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	N.D.	5.	ug/l	1
03947	Naphthalene	91-20-3	N.D.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	N.D.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	N.D.	16.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	N.D.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	N.D.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	N.D.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	N.D.	5.	ug/l	1
03954	Acenaphthene	83-32-9	N.D.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	N.D.	5.	ug/l	1
03956	Fluorene	86-73-7	N.D.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	N.D.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	N.D.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	N.D.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	N.D.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
03961	4-Bromophenyl-phenylether	101-55-3	N.D.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	N.D.	5.	ug/l	1
03963	Phenanthrene	85-01-8	N.D.	5.	ug/l	1
03964	Anthracene	120-12-7	N.D.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	N.D.	5.	ug/l	1
03966	Fluoranthene	206-44-0	N.D.	5.	ug/l	1
03967	Pyrene	129-00-0	N.D.	5.	ug/l	1
03968	Benzydine	92-87-5	N.D.	63.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	N.D.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	N.D.	5.	ug/l	1
03971	Chrysene	218-01-9	N.D.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	N.D.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	N.D.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	N.D.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	N.D.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	N.D.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	N.D.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	N.D.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	N.D.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	N.D.	5.	ug/l	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatiles compounds were raised.

07582 PPL + Xylene (total) by 8260





Lancaster Laboratories Sample No. WW 4797196

SB-6 Unspiked Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05385	Chloromethane	74-87-3	N.D.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	5.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	5.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	5.	ug/l	1
05396	Chloroform	67-66-3	N.D.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	5.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	5.	ug/l	1
05407	Toluene	108-88-3	N.D.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	5.	ug/l	1
05419	Bromoform	75-25-2	N.D.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	N.D.	20.	ug/l	1
06888	Acrolein	107-02-8	N.D.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Lancaster Laboratories Sample No. WW 4797196

SB-6 Unspiked Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02BKG

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	06/21/2006 15:23	Nelli S Markaryan	1
07022	Thallium	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07035	Arsenic	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07044	Antimony	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07047	Beryllium	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07053	Copper	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07055	Lead	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07066	Silver	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
07072	Zinc	SW-846 6010B	1	07/04/2006 21:09	Eric L Eby	1
01424	Acid Extractables SW846/8270	SW-846 8270C	1	06/22/2006 12:47	Richard H Karam	1
01425	Base Neutrals (SW846/8270)	SW-846 8270C	1	06/22/2006 12:47	Richard H Karam	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	06/27/2006 00:11	Seth J Good	1
00813	BNA Water Extraction	SW-846 3510C	1	06/20/2006 16:30	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/27/2006 00:11	Seth J Good	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/23/2006 09:50	Megersa Deyessa	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	06/20/2006 18:45	Nelli S Markaryan	1



Lancaster Laboratories Sample No. WW 4797197

SB-6 Matrix Spike Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
00259	Mercury	7439-97-6	0.0012	0.00020	mg/l	1
07022	Thallium	7440-28-0	0.157	0.0200	mg/l	1
07035	Arsenic	7440-38-2	0.151	0.0200	mg/l	1
07036	Selenium	7782-49-2	0.111	0.0200	mg/l	1
07044	Antimony	7440-36-0	0.513	0.0200	mg/l	1
07047	Beryllium	7440-41-7	0.0518	0.0050	mg/l	1
07049	Cadmium	7440-43-9	0.0513	0.0050	mg/l	1
07051	Chromium	7440-47-3	0.207	0.0150	mg/l	1
07053	Copper	7440-50-8	0.257	0.0100	mg/l	1
07055	Lead	7439-92-1	0.125	0.0200	mg/l	1
07061	Nickel	7440-02-0	0.512	0.0100	mg/l	1
07066	Silver	7440-22-4	0.0505	0.0050	mg/l	1
07072	Zinc	7440-66-6	0.531	0.0200	mg/l	1
01424 Acid Extractables SW846/8270						
03924	2-Chlorophenol	95-57-8	94.	5.	ug/l	1
03925	Phenol	108-95-2	46.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	110.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	81.	11.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	100.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	96.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	100.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	78.	63.	ug/l	1
03932	4-Nitrophenol	100-02-7	41.	32.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	100.	16.	ug/l	1
03934	Pentachlorophenol	87-86-5	38.	16.	ug/l	1
01425 Base Neutrals (SW846/8270)						
03935	N-Nitrosodimethylamine	62-75-9	54.	5.	ug/l	1
03936	bis(2-Chloroethyl) ether	111-44-4	77.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	94.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	95.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	94.	5.	ug/l	1
03940	bis(2-Chloroisopropyl) ether	108-60-1	96.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	85.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	81.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	80.	5.	ug/l	1
03944	Isophorone	78-59-1	73.	5.	ug/l	1
03945	bis(2-Chloroethoxy) methane	111-91-1	87.	5.	ug/l	1



Lancaster Laboratories Sample No. WW 4797197

SB-6 Matrix Spike Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	96.	5.	ug/l	1
03947	Naphthalene	91-20-3	91.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	95.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	170.	16.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	81.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	100.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	89.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	110.	5.	ug/l	1
03954	Acenaphthene	83-32-9	95.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	120.	5.	ug/l	1
03956	Fluorene	86-73-7	100.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	99.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	94.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	69.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	92.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
03961	4-Bromophenyl-phenylether	101-55-3	92.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	100.	5.	ug/l	1
03963	Phenanthrene	85-01-8	95.	5.	ug/l	1
03964	Anthracene	120-12-7	97.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	89.	5.	ug/l	1
03966	Fluoranthene	206-44-0	100.	5.	ug/l	1
03967	Pyrene	129-00-0	91.	5.	ug/l	1
03968	Benzidine	92-87-5	530.	63.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	80.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	92.	5.	ug/l	1
03971	Chrysene	218-01-9	94.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	92.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	75.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	73.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	85.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	93.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	90.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	91.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	98.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	92.	5.	ug/l	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatiles were raised.

07582 PPL + Xylene (total) by 8260



Lancaster Laboratories Sample No. WW 4797197

SB-6 Matrix Spike Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05385	Chloromethane	74-87-3	22.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	20.	5.	ug/l	1
05387	Bromomethane	74-83-9	21.	5.	ug/l	1
05388	Chloroethane	75-00-3	21.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	24.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	23.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	23.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	22.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	22.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	21.	5.	ug/l	1
05396	Chloroform	67-66-3	24.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	23.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	24.	5.	ug/l	1
05401	Benzene	71-43-2	24.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	24.	5.	ug/l	1
05403	Trichloroethene	79-01-6	22.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	22.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	24.	5.	ug/l	1
05407	Toluene	108-88-3	21.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	20.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	18.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	20.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	20.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	20.	5.	ug/l	1
05419	Bromoform	75-25-2	19.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	22.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	20.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	22.	5.	ug/l	1
06310	Xylene (Total)	1330-20-7	59.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	110.	20.	ug/l	1
06888	Acrolein	107-02-8	160.	100.	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	ug/l	1

2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



Lancaster Laboratories Sample No. WW 4797197

SB-6 Matrix Spike Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02MS

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00259	Mercury	SW-846 7470A	1	06/21/2006 15:25	Nelli S Markaryan	1
07022	Thallium	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07035	Arsenic	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07036	Selenium	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07044	Antimony	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07047	Beryllium	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07049	Cadmium	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07051	Chromium	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07053	Copper	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07055	Lead	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07061	Nickel	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07066	Silver	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
07072	Zinc	SW-846 6010B	1	07/04/2006 21:24	Eric L Eby	1
01424	Acid Extractables SW846/8270	SW-846 8270C	1	06/22/2006 13:10	Richard H Karam	1
01425	Base Neutrals (SW846/8270)	SW-846 8270C	1	06/22/2006 13:10	Richard H Karam	1
07582	PPL + Xylene (total) by 8260	SW-846 8260B	1	06/27/2006 00:34	Seth J Good	1
00813	BNA Water Extraction	SW-846 3510C	1	06/20/2006 16:30	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/27/2006 00:34	Seth J Good	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/23/2006 09:50	Megersa Deyessa	1
05713	WW SW846 Hg Digest	SW-846 7470A	1	06/20/2006 18:45	Nelli S Markaryan	1



Lancaster Laboratories Sample No. WW 4797198

SB-6 Matrix Spike Dup Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02MSD

CAT			As Received	As Received		Dilution
No.	Analysis Name	CAS Number	Result	Limit of	Units	Factor
				Quantitation		
00259	Mercury	7439-97-6	0.0012	0.00020	mg/l	1
07022	Thallium	7440-28-0	0.149	0.0200	mg/l	1
07035	Arsenic	7440-38-2	0.150	0.0200	mg/l	1
07036	Selenium	7782-49-2	0.111	0.0200	mg/l	1
07044	Antimony	7440-36-0	0.504	0.0200	mg/l	1
07047	Beryllium	7440-41-7	0.0512	0.0050	mg/l	1
07049	Cadmium	7440-43-9	0.0502	0.0050	mg/l	1
07051	Chromium	7440-47-3	0.207	0.0150	mg/l	1
07053	Copper	7440-50-8	0.255	0.0100	mg/l	1
07055	Lead	7439-92-1	0.123	0.0200	mg/l	1
07061	Nickel	7440-02-0	0.507	0.0100	mg/l	1
07066	Silver	7440-22-4	0.0503	0.0050	mg/l	1
07072	Zinc	7440-66-6	0.541	0.0200	mg/l	1
01424	Acid Extractables SW846/8270					
03924	2-Chlorophenol	95-57-8	91.	5.	ug/l	1
03925	Phenol	108-95-2	43.	5.	ug/l	1
03926	2-Nitrophenol	88-75-5	110.	5.	ug/l	1
03927	2,4-Dimethylphenol	105-67-9	85.	11.	ug/l	1
03928	2,4-Dichlorophenol	120-83-2	100.	5.	ug/l	1
03929	4-Chloro-3-methylphenol	59-50-7	96.	5.	ug/l	1
03930	2,4,6-Trichlorophenol	88-06-2	110.	5.	ug/l	1
03931	2,4-Dinitrophenol	51-28-5	120.	63.	ug/l	1
03932	4-Nitrophenol	100-02-7	45.	32.	ug/l	1
03933	4,6-Dinitro-2-methylphenol	534-52-1	120.	16.	ug/l	1
03934	Pentachlorophenol	87-86-5	90.	16.	ug/l	1
01425	Base Neutrals (SW846/8270)					
03935	N-Nitrosodimethylamine	62-75-9	51.	5.	ug/l	1
03936	bis(2-Chloroethyl) ether	111-44-4	78.	5.	ug/l	1
03937	1,3-Dichlorobenzene	541-73-1	97.	5.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	96.	5.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	94.	5.	ug/l	1
03940	bis(2-Chloroisopropyl) ether	108-60-1	100.	5.	ug/l	1
03941	Hexachloroethane	67-72-1	88.	5.	ug/l	1
03942	N-Nitroso-di-n-propylamine	621-64-7	87.	5.	ug/l	1
03943	Nitrobenzene	98-95-3	85.	5.	ug/l	1
03944	Isophorone	78-59-1	78.	5.	ug/l	1
03945	bis(2-Chloroethoxy)methane	111-91-1	93.	5.	ug/l	1



Lancaster Laboratories Sample No. WW 4797198

SB-6 Matrix Spike Dup Grab Water Sample  
George & Lynch Property

Collected: 06/13/2006 12:30 by VP

Account Number: 02600

Submitted: 06/15/2006 17:50  
Reported: 07/07/2006 at 07:44  
Discard: 07/15/2006

Tetra Tech, Inc.  
56 W. Main Street  
Christiana DE 19702

S6WGL SDG#: GLY02-02MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
03946	1,2,4-Trichlorobenzene	120-82-1	100.	5.	ug/l	1
03947	Naphthalene	91-20-3	98.	5.	ug/l	1
03948	Hexachlorobutadiene	87-68-3	100.	5.	ug/l	1
03949	Hexachlorocyclopentadiene	77-47-4	190.	16.	ug/l	1
03950	2-Chloronaphthalene	91-58-7	84.	5.	ug/l	1
03951	Acenaphthylene	208-96-8	100.	5.	ug/l	1
03952	Dimethylphthalate	131-11-3	94.	5.	ug/l	1
03953	2,6-Dinitrotoluene	606-20-2	110.	5.	ug/l	1
03954	Acenaphthene	83-32-9	99.	5.	ug/l	1
03955	2,4-Dinitrotoluene	121-14-2	120.	5.	ug/l	1
03956	Fluorene	86-73-7	110.	5.	ug/l	1
03957	4-Chlorophenyl-phenylether	7005-72-3	100.	5.	ug/l	1
03958	Diethylphthalate	84-66-2	97.	5.	ug/l	1
03959	1,2-Diphenylhydrazine	122-66-7	73.	5.	ug/l	1
03960	N-Nitrosodiphenylamine	86-30-6	96.	5.	ug/l	1
N-nitrosodiphenylamine decomposes in the GC inlet forming diphenylamine. The result reported for N-nitrosodiphenylamine represents the combined total of both compounds.						
03961	4-Bromophenyl-phenylether	101-55-3	99.	5.	ug/l	1
03962	Hexachlorobenzene	118-74-1	100.	5.	ug/l	1
03963	Phenanthrene	85-01-8	100.	5.	ug/l	1
03964	Anthracene	120-12-7	100.	5.	ug/l	1
03965	Di-n-butylphthalate	84-74-2	92.	5.	ug/l	1
03966	Fluoranthene	206-44-0	100.	5.	ug/l	1
03967	Pyrene	129-00-0	93.	5.	ug/l	1
03968	Benzidine	92-87-5	370.	63.	ug/l	1
03969	Butylbenzylphthalate	85-68-7	82.	5.	ug/l	1
03970	Benzo(a)anthracene	56-55-3	95.	5.	ug/l	1
03971	Chrysene	218-01-9	95.	5.	ug/l	1
03972	3,3'-Dichlorobenzidine	91-94-1	80.	5.	ug/l	1
03973	bis(2-Ethylhexyl)phthalate	117-81-7	80.	5.	ug/l	1
03974	Di-n-octylphthalate	117-84-0	77.	5.	ug/l	1
03975	Benzo(b)fluoranthene	205-99-2	89.	5.	ug/l	1
03976	Benzo(k)fluoranthene	207-08-9	98.	5.	ug/l	1
03977	Benzo(a)pyrene	50-32-8	94.	5.	ug/l	1
03978	Indeno(1,2,3-cd)pyrene	193-39-5	95.	5.	ug/l	1
03979	Dibenz(a,h)anthracene	53-70-3	100.	5.	ug/l	1
03980	Benzo(g,h,i)perylene	191-24-2	96.	5.	ug/l	1

Due to insufficient sample, the reporting limits for the GC/MS semivolatiles were raised.

07582 PPL + Xylene (total) by 8260



