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158 Sonwil Drive, Cheektowaga, New York 14225 • TEL (716) 706-0074 • FAX (716) 706-0078

April 1, 2008

Mr. Glenn M. May, CPG Project Manager  
New York State Department of Environmental Conservation  
270 Michigan Avenue  
Buffalo, NY 14203-2999  
*submitted to the above address and via email as PDF format to: gmmay@gw.dec.state.ny.us*

RE: Iroquois Gas/Westwood Pharmaceuticals Site  
100 Forest Avenue, Buffalo, NY 14213  
Remediation System Quarterly Report  
1<sup>st</sup> Quarter 2008  
Site # 915141

Dear Mr. May:

On behalf of Bristol-Myers Squibb Company, Groundwater & Environmental Services (GES) is pleased to submit the following report. It covers the Groundwater Remediation Activities and Cap Maintenance conducted at the subject location from January 3, 2008 through March 21, 2008.

Based on the enclosed data and site measurements, the performance of the Pump and Treat System is in accordance with the requirements of the Record of Decision (ROD).

If you have any questions, please feel free to contact the undersigned at 716-706-0074.

Thank you.

Regards,

Chris Schifferli  
Project Engineer, PE

cc: Dan Darragh, Buchanan Ingersoll, via email: ddarragh@cohenlaw.com  
Donald Miller, Contract Pharmaceuticals Limited, via email: dmiller@cplltd.com  
William Sivak, Bristol-Myers Squibb Company, via email: william.sivak@bms.com  
John Alonzo, de maximis, Inc., via email: jjalonzo@demaximis.com

Attachments: (1) Quarterly Data Table  
(2) Piezometer, Extraction and Monitoring Well Water Levels 2003-2008 Graph  
(3) Quarterly Collection of NAPL Graph  
(4) Site Map  
(5) Monthly Laboratory Analytical Results

ATTACHMENT 1 - QUARTERLY DATA TABLE 2008  
 Westwood-Squibb Pharmaceuticals Inc., 100 Forest Avenue, Buffalo, New York 14213

Sampling Parameter	Daily Maximum Limit per BSA Permit	3-Jan	11-Jan	15-Jan	22-Jan	1-Feb	14-Feb	27-Feb	7-Mar	12-Mar	21-Mar
pH	5.0-12.0	7.1	NS	NS	NS	NS	7.7	7.7	NS	7.8	NS
Total Mercury	0.00003 lbs	0.000006	NS	NS	NS	NS	0.000006	NS	NS	0.000003	NS
Total Zinc	0.75 lbs	0.00003	NS	NS	NS	NS	0.00003	NS	NS	0.00002	NS
Total Cyanide	0.2 lbs	0.000075	NS	NS	NS	NS	0.00066	NS	NS	0.00066	NS
Total Daily Flow	3,600 gallons	735	552	612	534	654	754	507	483	434	846

Legend:

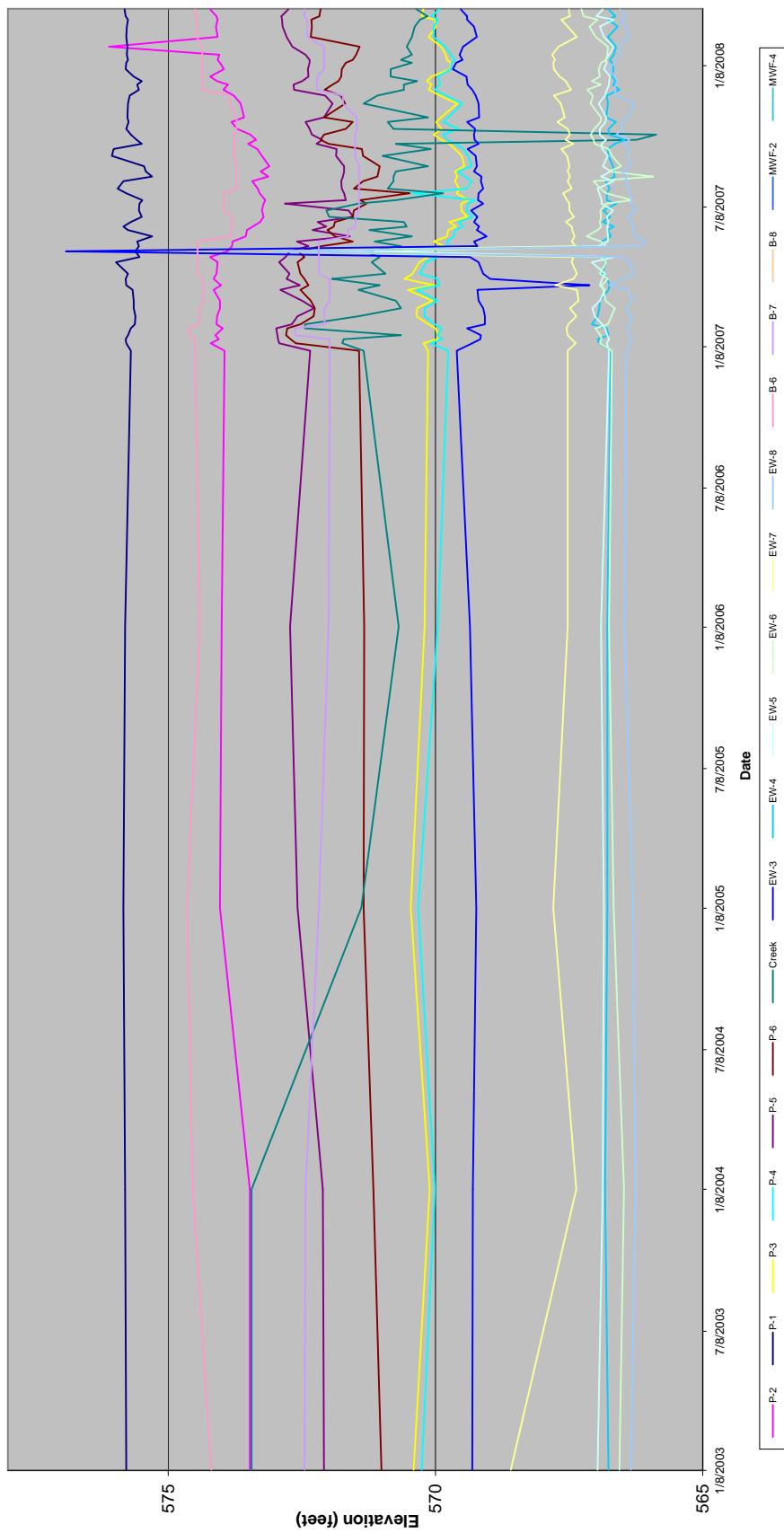
NS - Not Sampled.

Notes:

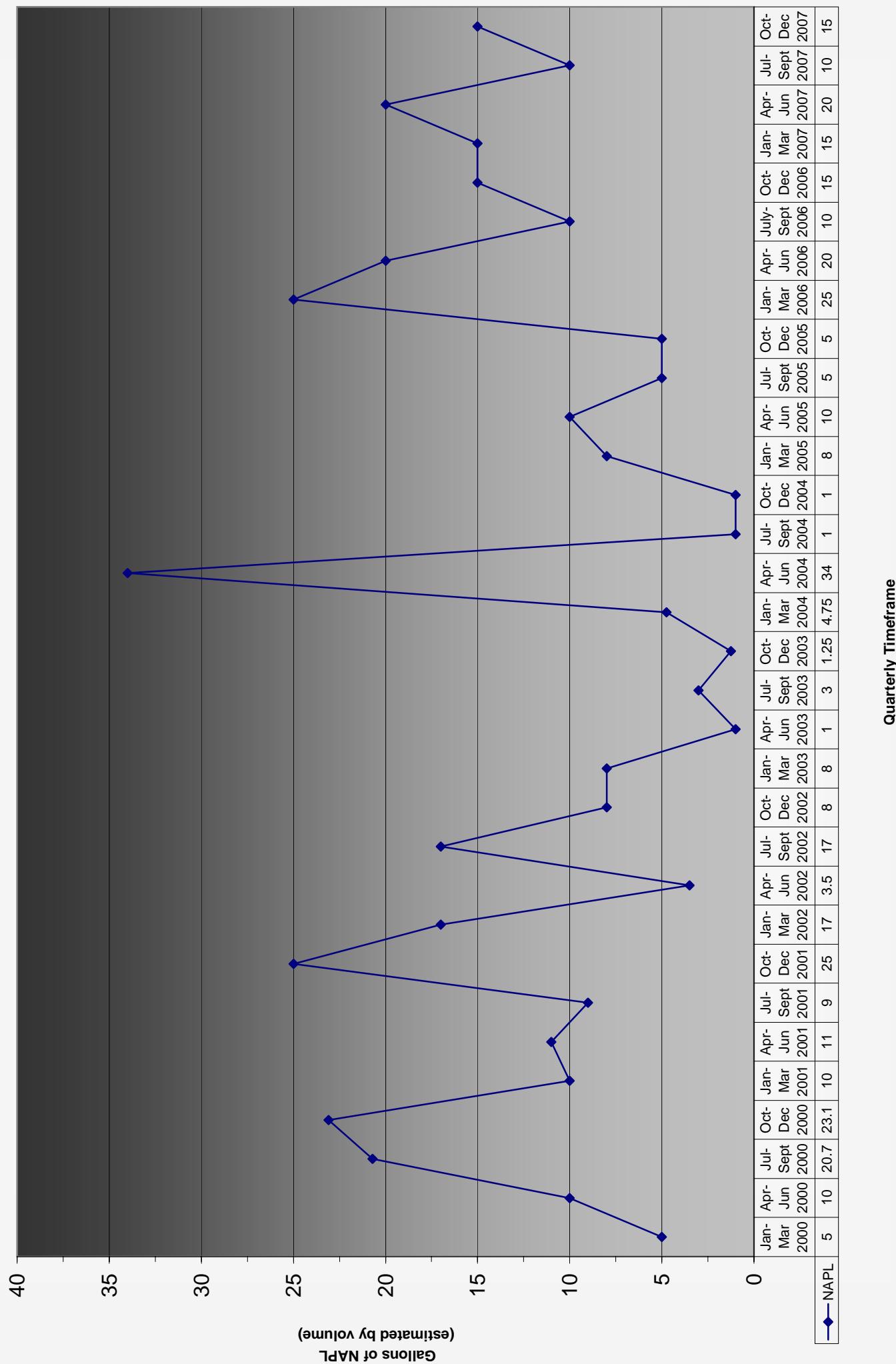
1/3 - Changed carbon drums. Calibrate flow meter.

3/12 - Sprinkler system inspection. Hazardous waste pickup.

Attachment 2 - Piezometer, Extraction and Monitoring Well Water Levels 2003-2008



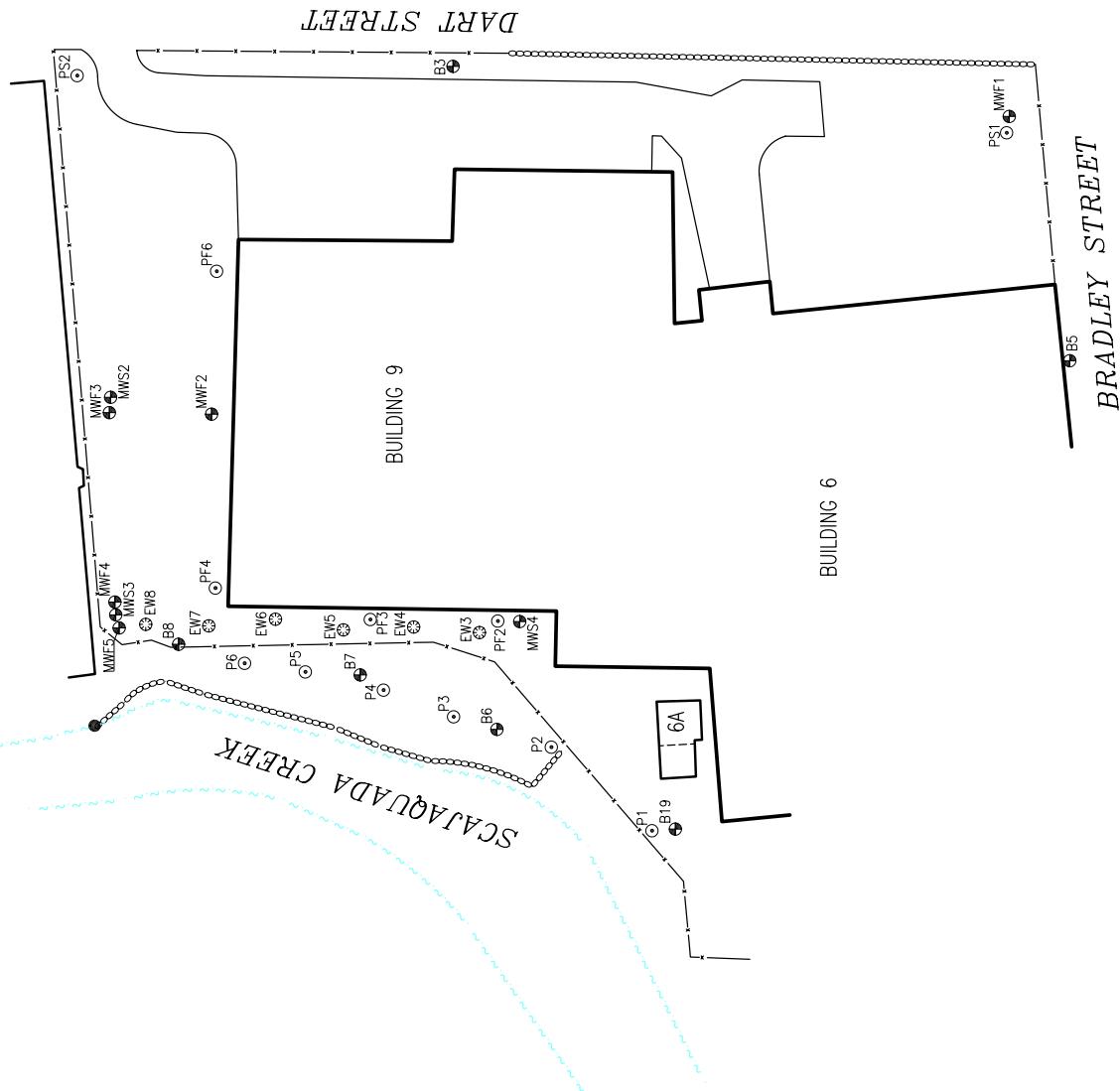
### Attachment 3 - Quarterly Collection of NAPL



LEGEND

- FENCE
- CONCRETE/RETAINING WALL
- MONITORING WELL
- STREAM GAUGE
- PIEZOMETER
- SOIL VAPOR EXTRACTION WELL

DRAFTED BY: W.G.S. (N.J.)	SITE MAP
CHECKED BY:	BRISTOL MYERS SQUIBB COMPANY 100 FOREST AVENUE BUFFALO, NEW YORK
REVIEWED BY:	Groundwater & Environmental Services, Inc.
NORTH	
SCALE IN FEET	0 APPROXIMATE 100
DATE	04 - 01 - 08
FIGURE	4



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

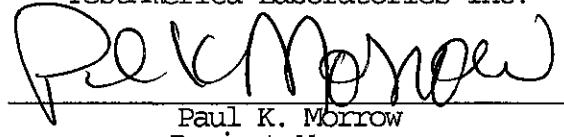
## ANALYTICAL REPORT

Job#: A08-0124

Project#: NY5A9483  
Site Name: Bristol Myers Monthly Discharge  
Task: GES - Bristol Myers Monthly Discharge

Mr. Chris Schifferli  
GES  
158 Sonwill Drive  
Cheektowaga, NY 14225

TestAmerica Laboratories Inc.



Paul K. Morrow  
Project Manager

01/16/2008



## TestAmerica Buffalo Current Certifications

As of 6/15/2007

<b>STATE</b>	<b>Program</b>	<b>Cert # / Lab ID</b>
<b>Arkansas</b>	SDWA, CWA, RCRA, SOIL	88-0686
<b>California*</b>	NELAP CWA, RCRA	01169CA
<b>Connecticut</b>	SDWA, CWA, RCRA, SOIL	PH-0568
<b>Florida*</b>	NELAP CWA, RCRA	E87672
<b>Georgia*</b>	SDWA, NELAP CWA, RCRA	956
<b>Illinois*</b>	NELAP SDWA, CWA, RCRA	200003
<b>Iowa</b>	SW/CS	374
<b>Kansas*</b>	NELAP SDWA, CWA, RCRA	E-10187
<b>Kentucky</b>	SDWA	90029
<b>Kentucky UST</b>	UST	30
<b>Louisiana*</b>	NELAP CWA, RCRA	2031
<b>Maine</b>	SDWA, CWA	NY0044
<b>Maryland</b>	SDWA	294
<b>Massachusetts</b>	SDWA, CWA	M-NY044
<b>Michigan</b>	SDWA	9937
<b>Minnesota</b>	SDWA, CWA, RCRA	036-999-337
<b>New Hampshire*</b>	NELAP SDWA, CWA	233701
<b>New Jersey*</b>	NELAP, SDWA, CWA, RCRA,	NY455
<b>New York*</b>	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
<b>Oklahoma</b>	CWA, RCRA	9421
<b>Pennsylvania*</b>	Registration, NELAP CWA, RCRA	68-00281
<b>Tennessee</b>	SDWA	02970
<b>USDA</b>	FOREIGN SOIL PERMIT	S-41579
<b>USDOE</b>	Department of Energy	DOECAP-STB
<b>Virginia</b>	SDWA	278
<b>Washington</b>	CWA, RCRA	C1677
<b>West Virginia</b>	CWA, RCRA	252
<b>Wisconsin</b>	CWA, RCRA	998310390

\*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

**SAMPLE SUMMARY**

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED DATE</u>	<u>TIME</u>	<u>RECEIVED DATE</u>	<u>TIME</u>
A8012401	001	WATER	01/03/2008	15:00	01/04/2008	14:05

## METHODS SUMMARY

Job#: A08-0124

Project#: NY5A9483  
 Site Name: Bristol Myers Monthly Discharge

PARAMETER	ANALYTICAL METHOD
Volatiles 624 Bristol Myers Monthly Discharge	CFR136 624
Semi-Volatiles 625 Bristol Myers Monthly Discharge	CFR136 625
Mercury - Total	MCAWW 245.1
Zinc - Total	MCAWW 200.7
Cyanide - Total	MCAWW 335.2
pH	MCAWW 150.1

References:

- CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

## SDG NARRATIVE

Job#: A08-0124Project#: NY5A9483Site Name: Bristol Myers Monthly DischargeGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-0124

Sample Cooler(s) were received at the following temperature(s); 1.2 °C

Sample was composited in Sample Control and poured off into a 16ozP for metals, an 8ozP for TCN and a 4ozP for PH.

Lab to composite volatile samples by date/time.

GC/MS Volatile Data

Volatile sample 001 was composited in the laboratory, prior to analysis.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



## DATA QUALIFIER PAGE

***These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.***

### **ORGANIC DATA QUALIFIERS**

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- \* Indicates analysis is not within the quality control limits.

### **INORGANIC DATA QUALIFIERS**

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- \* Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Date: 01/16/2008  
Time: 13:40:52

GES - Bristol Myers  
GES - Bristol Myers Monthly Discharge

8/11 Page: 1  
Rept: AN1178

Sample ID: 001  
Lab Sample ID: A8012401  
Date Collected: 01/03/2008  
Time Collected: 15:00

Date Received: 01/04/2008  
Project No: NY5A9483  
Client No: L11071  
Site No: BRIST

Parameter	Result	Flag	Detection		Date/Time	
			Limit	Units	Method	Analyzed
<b>VOLATILES 624 BRISTOL MYERS MONTHLY DISCHARGE</b>						
1,1,1-Trichloroethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,1,2-Trichloroethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,1-Dichloroethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,1-Dichloroethene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,2-Dichlorobenzene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,2-Dichloroethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,2-Dichloroethene (Total)	ND		10	UG/L	624	01/07/2008 20:44 BJ
1,2-Dichloropropane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,3-Dichlorobenzene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
1,4-Dichlorobenzene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
2-Chloroethylvinyl ether	ND		25	UG/L	624	01/07/2008 20:44 BJ
Acrolein	ND		100	UG/L	624	01/07/2008 20:44 BJ
Acrylonitrile	ND		100	UG/L	624	01/07/2008 20:44 BJ
Benzene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Bromodichloromethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Bromoform	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Bromomethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Carbon Tetrachloride	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Chlorobenzene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Chloroethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Chloroform	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Chloromethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
cis-1,3-Dichloropropene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Dibromochloromethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Ethylbenzene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Methylene chloride	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Tetrachloroethene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Toluene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
trans-1,3-Dichloropropene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Trichloroethene	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Trichlorofluoromethane	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
Vinyl chloride	ND		5.0	UG/L	624	01/07/2008 20:44 BJ
<b>SEMI-VOLATILES 625 BRISTOL MYERS MONTHLY DISC</b>						
1,2,4-Trichlorobenzene	ND		9.5	UG/L	625	01/10/2008 11:21 MD
1,2-Dichlorobenzene	ND		9.5	UG/L	625	01/10/2008 11:21 MD
1,2-Diphenylhydrazine	ND		9.5	UG/L	625	01/10/2008 11:21 MD
1,3-Dichlorobenzene	ND		9.5	UG/L	625	01/10/2008 11:21 MD
1,4-Dichlorobenzene	ND		9.5	UG/L	625	01/10/2008 11:21 MD
2,2'-Oxybis(1-Chloropropane)	ND		4.8	UG/L	625	01/10/2008 11:21 MD
2,4,6-Trichlorophenol	ND		4.8	UG/L	625	01/10/2008 11:21 MD
2,4-Dichlorophenol	ND		4.8	UG/L	625	01/10/2008 11:21 MD
2,4-Dimethylphenol	ND		4.8	UG/L	625	01/10/2008 11:21 MD
2,4-Dinitrophenol	ND		9.5	UG/L	625	01/10/2008 11:21 MD
2,4-Dinitrotoluene	ND		4.8	UG/L	625	01/10/2008 11:21 MD
2,6-Dinitrotoluene	ND		4.8	UG/L	625	01/10/2008 11:21 MD
2-Chloronaphthalene	ND		4.8	UG/L	625	01/10/2008 11:21 MD
2-Chlorophenol	ND		4.8	UG/L	625	01/10/2008 11:21 MD

Date: 01/16/2008  
Time: 13:40:52

GES - Bristol Myers  
GES - Bristol Myers Monthly Discharge

Page: 2  
Rept: AN1178

Sample ID: 001  
Lab Sample ID: A8012401  
Date Collected: 01/03/2008  
Time Collected: 15:00

Date Received: 01/04/2008  
Project No: NY5A9483  
Client No: L11071  
Site No: BRIST

Parameter	Result	Flag	Detection		Date/Time		
			Limit	Units	Method	Analyzed	Analyst
<b>SEMI-VOLATILES 625 BRISTOL MYERS MONTHLY DISC</b>							
2-Nitrophenol	ND		4.8	UG/L	625	01/10/2008 11:21	MD
3,3'-Dichlorobenzidine	ND		4.8	UG/L	625	01/10/2008 11:21	MD
4,6-Dinitro-2-methylphenol	ND		9.5	UG/L	625	01/10/2008 11:21	MD
4-Bromophenyl phenyl ether	ND		4.8	UG/L	625	01/10/2008 11:21	MD
4-Chlorophenyl phenyl ether	ND		4.8	UG/L	625	01/10/2008 11:21	MD
4-Nitrophenol	ND		9.5	UG/L	625	01/10/2008 11:21	MD
Acenaphthene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Acenaphthylene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Anthracene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Benzidine	ND		76	UG/L	625	01/10/2008 11:21	MD
Benzo(a)anthracene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Benzo(a)pyrene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Benzo(b)fluoranthene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Benzo(ghi)perylene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Benzo(k)fluoranthene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Bis(2-chloroethoxy) methane	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Bis(2-chloroethyl) ether	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Bis(2-ethylhexyl) phthalate	7.0	J	9.5	UG/L	625	01/10/2008 11:21	MD
Butyl benzyl phthalate	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Chrysene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Decane	ND		9.5	UG/L	625	01/10/2008 11:21	MD
Di-n-butyl phthalate	0.31	BJ	4.8	UG/L	625	01/10/2008 11:21	MD
Di-n-octyl phthalate	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Dibenzo(a,h)anthracene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Diethyl phthalate	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Dimethyl phthalate	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Fluoranthene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Fluorene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Hexachlorobenzene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Hexachlorobutadiene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Hexachlorocyclopentadiene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Hexachloroethane	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Indeno(1,2,3-cd)pyrene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Isophorone	ND		4.8	UG/L	625	01/10/2008 11:21	MD
N-Nitroso-Di-n-propylamine	ND		4.8	UG/L	625	01/10/2008 11:21	MD
N-Nitrosodimethylamine	ND		9.5	UG/L	625	01/10/2008 11:21	MD
N-nitrosodiphenylamine	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Naphthalene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Nitrobenzene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Octadecane	ND		9.5	UG/L	625	01/10/2008 11:21	MD
Pentachlorophenol	ND		9.5	UG/L	625	01/10/2008 11:21	MD
Phenanthrene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Phenol	ND		4.8	UG/L	625	01/10/2008 11:21	MD
Pyrene	ND		4.8	UG/L	625	01/10/2008 11:21	MD
<b>Metals Analysis</b>							
Mercury - Total	ND		0.00020	MG/L	245.1	01/07/2008 14:17	JA
Zinc - Total	ND		0.010	MG/L	200.7	01/08/2008 12:49	AH

TestAmerica

Date: 01/16/2008

Time: 13:40:52

GES - Bristol Myers

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Rept: AN1178

GES - Bristol Myers Monthly Discharge

Sample ID: 001

Date Received: 01/04/2008

Lab Sample ID: A8012401

Project No: NY5A9483

Date Collected: 01/03/2008

Client No: L11071

Time Collected: 15:00

Site No: BRIST

Parameter	Result	Flag	Detection		Date/Time	
			Limit	Units	Method	Analyst
<b>Wet Chemistry Analysis</b>						
Cyanide - Total	0.27		0.010	MG/L	335.2	01/08/2008 14:50 ERK
pH	7.1		0.50	S.U.	150.1	01/04/2008 21:30 DRP

**S. T. N. STI**  
TRENT

# **STL Buffalo**

ANALYSIS REQUEST AND CHAIN OF CUSTODY REQUEST		Serial or COC #: STL-JOBLOG #:																					
PROJECT & CLIENT INFORMATION		STL Buffalo 10 Hazelwood Drive, Suite 106 Amherst, NY 14228 Ph: 716-691-2600 Fax: 716-691-7991 Website: www.stl-inc.com																					
PROJECT REFERENCE NAME: Bristol-Myers Squibb STL/LAB PROJECT MANAGER: Paul Motow CLIENT (site) P/M: Chris Schifferli CLIENT NAME: Groundwater & Environmental Services, Inc. CLIENT ADDRESS: 158 Sanwil Drive Cheektowaga, NY 14225		<p>Project State: NV Project No.: NY5A9483 P.O. Number: Contractor No.: NY05097 CLIENT PHONE: 716-706-0074 CLIENT FAX: 716-706-0078 CLIENT EMAIL: CSCHIFFERLI@GESONLINE.COM</p> <p>Sample Information</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: left; padding: 5px;">REQUIRED ANALYSES</th> <th colspan="2" style="text-align: right; padding: 5px;">PAGE 1 OF 1</th> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">Final Report Type (Circle at least one):</td> <td colspan="2" style="text-align: right; padding: 5px;">II</td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">TAT: Standard</td> <td colspan="2" style="text-align: right; padding: 5px;">EXPIRED REPORT (check one)</td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">FAX</td> <td colspan="2" style="text-align: right; padding: 5px;">POST</td> </tr> <tr> <td colspan="2" style="text-align: left; padding: 5px;">EMAIL</td> <td colspan="2" style="text-align: right; padding: 5px;">Other</td> </tr> </table> <p>NUMBER OF COOLERS SUBMITTED PER SHIPMENT: ONE</p> <p>NUMBER OF CONTAINERS SUBMITTED</p> <p>REMARKS</p> <p>Composite all one liter glass at lab and preserve appropriately.</p> <p>VOA vials are to be composited at lab.</p>		REQUIRED ANALYSES		PAGE 1 OF 1		Final Report Type (Circle at least one):		II		TAT: Standard		EXPIRED REPORT (check one)		FAX		POST		EMAIL		Other	
REQUIRED ANALYSES		PAGE 1 OF 1																					
Final Report Type (Circle at least one):		II																					
TAT: Standard		EXPIRED REPORT (check one)																					
FAX		POST																					
EMAIL		Other																					
SAMPLE TYPE: GRAB SAMPLE ID: NO SAMPLE PREPARED: NO WATER MARK		<p>LABORATORY SAMPLE ID</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left; padding: 5px;">SAMPLE IDENTIFICATION</th> </tr> <tr> <th style="text-align: left; padding: 5px;">SAMPLED ON</th> <th style="text-align: left; padding: 5px;">TIME</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 5px;">1-3-08</td> <td style="text-align: left; padding: 5px;">08:00</td> </tr> <tr> <td style="text-align: left; padding: 5px;">1-3-08</td> <td style="text-align: left; padding: 5px;">10:15</td> </tr> <tr> <td style="text-align: left; padding: 5px;">1-3-08</td> <td style="text-align: left; padding: 5px;">12:30</td> </tr> <tr> <td style="text-align: left; padding: 5px;">1-3-08</td> <td style="text-align: left; padding: 5px;">15:00</td> </tr> </tbody> </table> <p>12 total (4 - 1-liter Unpressured Amber glass &amp; 8 - 40mL HCl pressured VOA's)</p> <p>REINQUISITIONED BY: (signature) <i>Brent Motow</i> DATE: 1-3-08 TIME: 15:30 REINQUISITIONED BY: (signature)</p> <p>RECEIVED BY: (signature) <i>C. G. Myers</i> DATE: 01-01-08 TIME: 14:00 RECEIVED BY: (signature)</p> <p>LABORATORY USE ONLY</p> <p>RECEIVED FOR LABORATORY BY (signature) <i>C. G. Myers</i> DATE: TIME: CUSTODY/INTACT: YES RECEIVED FOR LABORATORY BY (signature) <i>C. G. Myers</i> DATE: TIME: CUSTODY/INTACT: NO</p>		SAMPLE IDENTIFICATION		SAMPLED ON	TIME	1-3-08	08:00	1-3-08	10:15	1-3-08	12:30	1-3-08	15:00								
SAMPLE IDENTIFICATION																							
SAMPLED ON	TIME																						
1-3-08	08:00																						
1-3-08	10:15																						
1-3-08	12:30																						
1-3-08	15:00																						

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

Job#: A08-1583

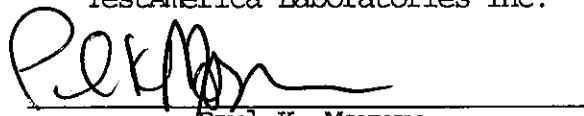
Project#: NY5A9483

Site Name: Bristol Myers Monthly Discharge

Task: GES - Bristol Myers Monthly Discharge

Mr. Chris Schifferli  
GES  
158 Sonwill Drive  
Cheektowaga, NY 14225

TestAmerica Laboratories Inc.



\_\_\_\_\_  
Paul K. Morrow  
Project Manager

02/27/2008





## TestAmerica Buffalo Current Certifications

As of 6/15/2007

<b>STATE</b>	<b>Program</b>	<b>Cert # / Lab ID</b>
<b>Arkansas</b>	SDWA, CWA, RCRA, SOIL	88-0686
<b>California*</b>	NELAP CWA, RCRA	01169CA
<b>Connecticut</b>	SDWA, CWA, RCRA, SOIL	PH-0568
<b>Florida*</b>	NELAP CWA, RCRA	E87672
<b>Georgia*</b>	SDWA, NELAP CWA, RCRA	956
<b>Illinois*</b>	NELAP SDWA, CWA, RCRA	200003
<b>Iowa</b>	SWCS	374
<b>Kansas*</b>	NELAP SDWA, CWA, RCRA	E-10187
<b>Kentucky</b>	SDWA	90029
<b>Kentucky UST</b>	UST	30
<b>Louisiana*</b>	NELAP CWA, RCRA	2031
<b>Maine</b>	SDWA, CWA	NY0044
<b>Maryland</b>	SDWA	294
<b>Massachusetts</b>	SDWA, CWA	M-NY044
<b>Michigan</b>	SDWA	9937
<b>Minnesota</b>	SDWA, CWA, RCRA	036-999-337
<b>New Hampshire*</b>	NELAP SDWA, CWA	233701
<b>New Jersey*</b>	NELAP, SDWA, CWA, RCRA,	NY455
<b>New York*</b>	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
<b>Oklahoma</b>	CWA, RCRA	9421
<b>Pennsylvania*</b>	Registration, NELAP CWA, RCRA	68-00281
<b>Tennessee</b>	SDWA	02970
<b>USDA</b>	FOREIGN SOIL PERMIT	S-41579
<b>USDOE</b>	Department of Energy	DOECAP-STB
<b>Virginia</b>	SDWA	278
<b>Washington</b>	CWA, RCRA	C1677
<b>West Virginia</b>	CWA, RCRA	252
<b>Wisconsin</b>	CWA, RCRA	998310390

\*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

## SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED DATE</u>	<u>TIME</u>	<u>RECEIVED DATE</u>	<u>TIME</u>
A8158301	001	WATER	02/14/2008	15:00	02/15/2008	14:00

## METHODS SUMMARY

Job#: A08-1583Project#: NY5A9483  
Site Name: Bristol Myers Monthly Discharge

PARAMETER	ANALYTICAL METHOD
Volatiles 624 Bristol Myers Monthly Discharge	CFR136 624
Semi-Volatiles 625 Bristol Myers Monthly Discharge	CFR136 625
Mercury - Total	MCAWW 245.1
Zinc - Total	MCAWW 200.7
Cyanide - Total	MCAWW 335.4
pH	SM20 4500-H+ B

References:

- CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)
- SM20 "Standard Methods for the Examination of Water and Wastewater", 20th Edition.

## SDG NARRATIVE

Job#: A08-1583Project#: NY5A9483Site Name: Bristol Myers Monthly DischargeGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-1583

Sample Cooler(s) were received at the following temperature(s); 2.0 °C  
Lab to composite volatile samples by date/time.

Volume was composited in Sample control and poured off into the following containers:

Metals - 16 ounce HNO<sub>3</sub> preserved plastic  
T CN - 8 ounce NaOH preserved plastic  
pH - 4 ounce unpreserved plastic

GC/MS Volatile Data

Volatile sample 001 was composited in the laboratory, prior to analysis.

GC/MS Semivolatile Data

The Relative Percent Difference between the Matrix Spike Blank A8B1047701 and the Matrix Spike Blank Duplicate A8B1047702 exceeded quality control criteria for Benzidine, though all individual recoveries are compliant. No action required.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



THE LEADER IN ENVIRONMENTAL TESTING

## **DATA QUALIFIER PAGE**

***These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.***

### **ORGANIC DATA QUALIFIERS**

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- \* Indicates analysis is not within the quality control limits.

### **INORGANIC DATA QUALIFIERS**

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- \* Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Date: 02/27/2008  
Time: 07:54:07

GES - Bristol Myers  
GES - Bristol Myers Monthly Discharge

8/11 Page: 1  
Rept: AN1178

Sample ID: 001  
Lab Sample ID: A8158301  
Date Collected: 02/14/2008  
Time Collected: 15:00

Date Received: 02/15/2008  
Project No: NY5A9483  
Client No: L11071  
Site No: BRIST

Parameter	Result	Flag	Detection		Date/Time	
			Limit	Units	Method	Analyzed
<b>VOLATILES 624 BRISTOL MYERS MONTHLY DISCHARGE</b>						
1,1,1-Trichloroethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,1,2-Trichloroethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,1-Dichloroethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,1-Dichloroethene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,2-Dichlorobenzene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,2-Dichloroethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,2-Dichloroethene (Total)	ND		10	UG/L	624	02/19/2008 07:50 TRB
1,2-Dichloropropane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,3-Dichlorobenzene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
1,4-Dichlorobenzene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
2-Chloroethylvinyl ether	ND		25	UG/L	624	02/19/2008 07:50 TRB
Acrolein	ND		100	UG/L	624	02/19/2008 07:50 TRB
Acrylonitrile	ND		100	UG/L	624	02/19/2008 07:50 TRB
Benzene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Bromodichloromethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Bromoform	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Bromomethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Carbon Tetrachloride	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Chlorobenzene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Chloroethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Chloroform	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Chloromethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
cis-1,3-Dichloropropene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Dibromochloromethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Ethylbenzene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Methylene chloride	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Tetrachloroethene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Toluene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
trans-1,3-Dichloropropene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Trichloroethene	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Trichlorofluoromethane	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
Vinyl chloride	ND		5.0	UG/L	624	02/19/2008 07:50 TRB
<b>SEMI-VOLATILES 625 BRISTOL MYERS MONTHLY DISC</b>						
1,2,4-Trichlorobenzene	ND		9.6	UG/L	625	02/19/2008 20:55 RM
1,2-Dichlorobenzene	ND		9.6	UG/L	625	02/19/2008 20:55 RM
1,2-Diphenylhydrazine	ND		9.6	UG/L	625	02/19/2008 20:55 RM
1,3-Dichlorobenzene	ND		9.6	UG/L	625	02/19/2008 20:55 RM
1,4-Dichlorobenzene	ND		9.6	UG/L	625	02/19/2008 20:55 RM
2,2'-Oxybis(1-Chloropropane)	ND		4.8	UG/L	625	02/19/2008 20:55 RM
2,4,6-Trichlorophenol	ND		4.8	UG/L	625	02/19/2008 20:55 RM
2,4-Dichlorophenol	ND		4.8	UG/L	625	02/19/2008 20:55 RM
2,4-Dimethylphenol	ND		4.8	UG/L	625	02/19/2008 20:55 RM
2,4-Dinitrophenol	ND		9.6	UG/L	625	02/19/2008 20:55 RM
2,4-Dinitrotoluene	ND		4.8	UG/L	625	02/19/2008 20:55 RM
2,6-Dinitrotoluene	ND		4.8	UG/L	625	02/19/2008 20:55 RM
2-Chloronaphthalene	ND		4.8	UG/L	625	02/19/2008 20:55 RM
2-Chlorophenol	ND		4.8	UG/L	625	02/19/2008 20:55 RM

Date: 02/27/2008  
Time: 07:54:07

9/11 Page: 2  
Rept: AN1178

GES - Bristol Myers  
GES - Bristol Myers Monthly Discharge

Sample ID: 001  
Lab Sample ID: A8158301  
Date Collected: 02/14/2008  
Time Collected: 15:00

Date Received: 02/15/2008  
Project No: NY5A9483  
Client No: L11071  
Site No: BRIST

Parameter	Result	Flag	Detection		Method	Date/Time	
			Limit	Units		Analyzed	Analyst
<b>SEMI-VOLATILES 625 BRISTOL MYERS MONTHLY DISC</b>							
2-Nitrophenol	ND		4.8	UG/L	625	02/19/2008 20:55	RM
3,3'-Dichlorobenzidine	ND		4.8	UG/L	625	02/19/2008 20:55	RM
4,6-Dinitro-2-methylphenol	ND		9.6	UG/L	625	02/19/2008 20:55	RM
4-Bromophenyl phenyl ether	ND		4.8	UG/L	625	02/19/2008 20:55	RM
4-Chloro-3-methylphenol	ND		4.8	UG/L	625	02/19/2008 20:55	RM
4-Chlorophenyl phenyl ether	ND		4.8	UG/L	625	02/19/2008 20:55	RM
4-Nitrophenol	ND		9.6	UG/L	625	02/19/2008 20:55	RM
Acenaphthene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Acenaphthylene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Anthracene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Benzidine	ND		76	UG/L	625	02/19/2008 20:55	RM
Benzo(a)anthracene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Benzo(a)pyrene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Benzo(b)fluoranthene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Benzo(ghi)perylene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Benzo(k)fluoranthene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Bis(2-chloroethoxy) methane	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Bis(2-chloroethyl) ether	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Bis(2-ethylhexyl) phthalate	ND		9.6	UG/L	625	02/19/2008 20:55	RM
Butyl benzyl phthalate	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Chrysene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Decane	ND		9.6	UG/L	625	02/19/2008 20:55	RM
Di-n-butyl phthalate	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Di-n-octyl phthalate	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Dibenzo(a,h)anthracene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Diethyl phthalate	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Dimethyl phthalate	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Fluoranthene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Fluorene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Hexachlorobenzene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Hexachlorobutadiene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Hexachlorocyclopentadiene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Hexachloroethane	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Indeno(1,2,3-cd)pyrene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Isophorone	ND		4.8	UG/L	625	02/19/2008 20:55	RM
N-Nitroso-Di-n-propylamine	ND		4.8	UG/L	625	02/19/2008 20:55	RM
N-Nitrosodimethylamine	ND		9.6	UG/L	625	02/19/2008 20:55	RM
N-nitrosodiphenylamine	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Naphthalene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Nitrobenzene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Octadecane	ND		9.6	UG/L	625	02/19/2008 20:55	RM
Pentachlorophenol	ND		9.6	UG/L	625	02/19/2008 20:55	RM
Phenanthrene	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Phenol	ND		4.8	UG/L	625	02/19/2008 20:55	RM
Pyrene	0.11	J	4.8	UG/L	625	02/19/2008 20:55	RM
<b>Metals Analysis</b>							
Mercury - Total	ND		0.00020	MG/L	245.1	02/18/2008 14:47	MM
Zinc - Total	ND		0.010	MG/L	200.7	02/18/2008 18:38	AK

Date: 02/27/2008

Time: 07:54:07

10/11 Page: 3

Rept: AN1178

GES - Bristol Myers

GES - Bristol Myers Monthly Discharge

Sample ID: 001

Date Received: 02/15/2008

Lab Sample ID: A8158301

Project No: NY5A9483

Date Collected: 02/14/2008

Client No: L11071

Time Collected: 15:00

Site No: BRIST

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
<b>Wet Chemistry Analysis</b>								
Cyanide - Total	0.23		0.010	MG/L	335.4	02/19/2008 10:03	ERK	
pH	7.7		0.50	S.U.	4500-H+ B	02/16/2008 13:25	TL	

**S. N. STIL**  
TRENT

ANALYSIS REQUEST AND CHAIN OF CUSTODY REQUEST

**STL Buffalo**

PROJECT & CLIENT INFORMATION

Project Reference: Bristol-Meyers Squibb

STL Project Manager: Paul Morrow

Client Site PM: Chris Schifferli

Client Name: Groundwater & Environmental Services, Inc.

Client Address: 158 Sonniville Drive Cheektowaga, NY 14225

Samplers Signature & Initials:

*Brent M. Miller*

Project State

Project No. # **NY5A9483**

Sample Information

Website: www.stl-inc.com

Serial or COC #:

STL Job Log #:

Possible Hazards:  
Sample Disposal:

By Laboratory

PROJECT & CLIENT INFORMATION		SAMPLE INFORMATION		REQUIRED ANALYSES		NUMBER OF CONTAINERS SUBMITTED		REMARKS	
STL PROJECT MANAGER: Paul Morrow	Project No. # <b>NY5A9483</b>	P.O. Number:	Customer No. <b>NY05097</b>	CLIENT PHONE: 716-706-0074	CLIENT FAX: 716-706-0078	MATRIX - WATER	MATRIX - WATER	Composite all one liter glass at lab and preserve appropriately.	
CLIENT SITE PM: Chris Schifferli						FIELD FILTERED - NO	FIELD FILTERED - NO	VOA vials are to be composited at lab.	
CLIENT NAME: Groundwater & Environmental Services, Inc.						SAMPLE TYPE - GRAIN	SAMPLE TYPE - GRAIN		
Client Address: 158 Sonniville Drive Cheektowaga, NY 14225						LABORATORY SAMPLE ID	LABORATORY SAMPLE ID		
Samplers Signature & Initials:		<i>Brent M. Miller</i>		SAMPLE IDENTIFICATION					
DATE	TIME								
2-14-08	08:30	001							
2-14-08	10:45	001							
2-14-08	13:00	001							
2-14-08	15:00	001							
								12 total (4 - 1 Liter Unpreserved Amber glass & 8 - 40mL HCl preserved VOA's)	
RElinquished BY: (signature)	DATE	TIME	RElinquished BY: (signature)		DATE	TIME	RElinquished BY: (signature)		
<i>Brent M. Miller</i>	2-14-08	15:30			DATE	TIME	RElinquished BY: (signature)		
RECEIVED BY: (signature)	DATE	TIME	RECEIVED BY: (signature)		DATE	TIME	RECEIVED BY: (signature)		
<i>C. Miller</i>	2-15-08	14:00			DATE	TIME	RECEIVED BY: (signature)		
LABORATORY USE ONLY									
RECEIVED FOR LABORATORY BY: (signature)	DATE	TIME	CUSTODY INTACT		CUSTODY SEAL	NO.	LABORATORY USE ONLY		
			YES	NO	YES	NO			
			YES	NO	YES	NO			

11/11

LABORATORY  
REMARKS:

*2-0*

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

Job#: A08-2508

Project#: NY5A9483

Site Name: Bristol Myers Monthly Discharge

Task: GES - Bristol Myers Monthly Discharge

Mr. Chris Schifferli  
GES  
158 Sonwill Drive  
Cheektowaga, NY 14225

TestAmerica Laboratories Inc.



Paul K. Morrow  
Project Manager

03/24/2008



## TestAmerica Buffalo Current Certifications

As of 6/15/2007

<b>STATE</b>	<b>Program</b>	<b>Cert # / Lab ID</b>
<b>Arkansas</b>	SDWA, CWA, RCRA, SOIL	88-0686
<b>California*</b>	NELAP CWA, RCRA	01169CA
<b>Connecticut</b>	SDWA, CWA, RCRA, SOIL	PH-0568
<b>Florida*</b>	NELAP CWA, RCRA	E87672
<b>Georgia*</b>	SDWA, NELAP CWA, RCRA	956
<b>Illinois*</b>	NELAP SDWA, CWA, RCRA	200003
<b>Iowa</b>	SW/CS	374
<b>Kansas*</b>	NELAP SDWA, CWA, RCRA	E-10187
<b>Kentucky</b>	SDWA	90029
<b>Kentucky UST</b>	UST	30
<b>Louisiana*</b>	NELAP CWA, RCRA	2031
<b>Maine</b>	SDWA, CWA	NY0044
<b>Maryland</b>	SDWA	294
<b>Massachusetts</b>	SDWA, CWA	M-NY044
<b>Michigan</b>	SDWA	9937
<b>Minnesota</b>	SDWA, CWA, RCRA	036-999-337
<b>New Hampshire*</b>	NELAP SDWA, CWA	233701
<b>New Jersey*</b>	NELAP, SDWA, CWA, RCRA,	NY455
<b>New York*</b>	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
<b>Oklahoma</b>	CWA, RCRA	9421
<b>Pennsylvania*</b>	Registration, NELAP CWA, RCRA	68-00281
<b>Tennessee</b>	SDWA	02970
<b>USDA</b>	FOREIGN SOIL PERMIT	S-41579
<b>USDOE</b>	Department of Energy	DOECAP-STB
<b>Virginia</b>	SDWA	278
<b>Washington</b>	CWA, RCRA	C1677
<b>West Virginia</b>	CWA, RCRA	252
<b>Wisconsin</b>	CWA, RCRA	998310390

\*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

## SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	SAMPLED		RECEIVED	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8250801	001	WATER	03/12/2008	14:00	03/13/2008	11:30

## METHODS SUMMARY

Job#: A08-2508

Project#: NY5A9483  
 Site Name: Bristol Myers Monthly Discharge

PARAMETER	ANALYTICAL METHOD
Volatiles 624 Bristol Myers Monthly Discharge	CFR136 624
Semi-Volatiles 625 Bristol Myers Monthly Discharge	CFR136 625
Mercury - Total	MCAWW 245.1
Zinc - Total	MCAWW 200.7
Cyanide - Total	MCAWW 335.4
pH	SM20 4500-H+ B

References:

- CFR136 Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act, and Appendix A-C; 40 CFR Part 136, USEPA Office of Water.
- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)
- SM20 "Standard Methods for the Examination of Water and Wastewater", 20th Edition.

## SDG NARRATIVE

Job#: A08-2508Project#: NY5A9483Site Name: Bristol Myers Monthly DischargeGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-2508

Sample Cooler(s) were received at the following temperature(s); 6.0 °C  
Volume was composited in Sample Control for T CN;T HG/T ZN; and ph analysis.

Lab to composite volatile samples by date/time.

GC/MS Volatile Data

Volatile sample 001 was composited in the laboratory, prior to analysis.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## DATA QUALIFIER PAGE

***These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.***

### **ORGANIC DATA QUALIFIERS**

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- \* Indicates analysis is not within the quality control limits.

### **INORGANIC DATA QUALIFIERS**

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- \* Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Date: 03/24/2008  
Time: 07:13:23

GES - Bristol Myers  
GES - Bristol Myers Monthly Discharge

8/11 Page: 1  
Rept: AN1178

Sample ID: 001  
Lab Sample ID: A8250801  
Date Collected: 03/12/2008  
Time Collected: 14:00

Date Received: 03/13/2008  
Project No: NY5A9483  
Client No: L11071  
Site No: BRIST

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
VOLATILES 624 BRISTOL MYERS MONTHLY DISCHARGE							
1,1,1-Trichloroethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,1,2-Trichloroethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,1-Dichloroethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,1-Dichloroethene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,2-Dichlorobenzene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,2-Dichloroethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,2-Dichloroethene (Total)	ND		10	UG/L	624	03/18/2008 07:31	TRB
1,2-Dichloropropane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,3-Dichlorobenzene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
1,4-Dichlorobenzene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
2-Chloroethylvinyl ether	ND		25	UG/L	624	03/18/2008 07:31	TRB
Acrolein	ND		100	UG/L	624	03/18/2008 07:31	TRB
Acrylonitrile	ND		100	UG/L	624	03/18/2008 07:31	TRB
Benzene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Bromodichloromethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Bromoform	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Bromomethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Carbon Tetrachloride	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Chlorobenzene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Chloroethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Chloroform	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Chloromethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
cis-1,3-Dichloropropene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Dibromochloromethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Ethylbenzene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Methylene chloride	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Tetrachloroethene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Toluene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
trans-1,3-Dichloropropene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Trichloroethene	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Trichlorofluoromethane	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
Vinyl chloride	ND		5.0	UG/L	624	03/18/2008 07:31	TRB
SEMI-VOLATILES 625 BRISTOL MYERS MONTHLY DISC							
1,2,4-Trichlorobenzene	ND		9.6	UG/L	625	03/18/2008 23:33	RM
1,2-Dichlorobenzene	ND		9.6	UG/L	625	03/18/2008 23:33	RM
1,2-Diphenylhydrazine	ND		9.6	UG/L	625	03/18/2008 23:33	RM
1,3-Dichlorobenzene	ND		9.6	UG/L	625	03/18/2008 23:33	RM
1,4-Dichlorobenzene	ND		9.6	UG/L	625	03/18/2008 23:33	RM
2,2'-Oxybis(1-Chloropropane)	ND		4.8	UG/L	625	03/18/2008 23:33	RM
2,4,6-Trichlorophenol	ND		4.8	UG/L	625	03/18/2008 23:33	RM
2,4-Dichlorophenol	ND		4.8	UG/L	625	03/18/2008 23:33	RM
2,4-Dimethylphenol	ND		4.8	UG/L	625	03/18/2008 23:33	RM
2,4-Dinitrophenol	ND		9.6	UG/L	625	03/18/2008 23:33	RM
2,4-Dinitrotoluene	ND		4.8	UG/L	625	03/18/2008 23:33	RM
2,6-Dinitrotoluene	ND		4.8	UG/L	625	03/18/2008 23:33	RM
2-Chloronaphthalene	ND		4.8	UG/L	625	03/18/2008 23:33	RM
2-Chlorophenol	ND		4.8	UG/L	625	03/18/2008 23:33	RM

Date: 03/24/2008  
Time: 07:13:23

GES - Bristol Myers  
GES - Bristol Myers Monthly Discharge

9/11 Page: 2  
Rept: AN1178

Sample ID: 001  
Lab Sample ID: A8250801  
Date Collected: 03/12/2008  
Time Collected: 14:00

Date Received: 03/13/2008  
Project No: NY5A9483  
Client No: L11071  
Site No: BRIST

Parameter	Result	Flag	Detection		Date/Time	
			Limit	Units	Method	Analyzed
<b>SEMI-VOLATILES 625 BRISTOL MYERS MONTHLY DISC</b>						
2-Nitrophenol	ND		4.8	UG/L	625	03/18/2008 23:33 RM
3,3'-Dichlorobenzidine	ND		4.8	UG/L	625	03/18/2008 23:33 RM
4,6-Dinitro-2-methylphenol	ND		9.6	UG/L	625	03/18/2008 23:33 RM
4-Bromophenyl phenyl ether	ND		4.8	UG/L	625	03/18/2008 23:33 RM
4-Chloro-3-methylphenol	ND		4.8	UG/L	625	03/18/2008 23:33 RM
4-Chlorophenyl phenyl ether	ND		4.8	UG/L	625	03/18/2008 23:33 RM
4-Nitrophenol	ND		9.6	UG/L	625	03/18/2008 23:33 RM
Acenaphthene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Acenaphthylene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Anthracene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Benzidine	ND		77	UG/L	625	03/18/2008 23:33 RM
Benzo(a)anthracene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Benzo(a)pyrene	0.13	J	4.8	UG/L	625	03/18/2008 23:33 RM
Benzo(b)fluoranthene	0.10	J	4.8	UG/L	625	03/18/2008 23:33 RM
Benzo(ghi)perylene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Benzo(k)fluoranthene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Bis(2-chloroethoxy) methane	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Bis(2-chloroethyl) ether	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Bis(2-ethylhexyl) phthalate	ND		9.6	UG/L	625	03/18/2008 23:33 RM
Butyl benzyl phthalate	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Chrysene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Decane	ND		9.6	UG/L	625	03/18/2008 23:33 RM
Di-n-butyl phthalate	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Di-n-octyl phthalate	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Dibenzo(a,h)anthracene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Diethyl phthalate	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Dimethyl phthalate	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Fluoranthene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Fluorene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Hexachlorobenzene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Hexachlorobutadiene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Hexachlorocyclopentadiene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Hexachloroethane	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Indeno(1,2,3-cd)pyrene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Isophorone	ND		4.8	UG/L	625	03/18/2008 23:33 RM
N-Nitroso-Di-n-propylamine	ND		4.8	UG/L	625	03/18/2008 23:33 RM
N-Nitrosodimethylamine	ND		9.6	UG/L	625	03/18/2008 23:33 RM
N-nitrosodiphenylamine	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Naphthalene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Nitrobenzene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Octadecane	ND		9.6	UG/L	625	03/18/2008 23:33 RM
Pentachlorophenol	ND		9.6	UG/L	625	03/18/2008 23:33 RM
Phenanthrene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Phenol	ND		4.8	UG/L	625	03/18/2008 23:33 RM
Pyrene	ND		4.8	UG/L	625	03/18/2008 23:33 RM
<b>Metals Analysis</b>						
Mercury - Total	ND		0.00020	MG/L	245.1	03/17/2008 12:44 JA
Zinc - Total	ND		0.010	MG/L	200.7	03/18/2008 02:05 AH

Date: 03/24/2008  
Time: 07:13:23

GES - Bristol Myers  
GES - Bristol Myers Monthly Discharge

10/11 Page: 3  
Rept: AN1178

Sample ID: 001  
Lab Sample ID: A8250801  
Date Collected: 03/12/2008  
Time Collected: 14:00

Date Received: 03/13/2008  
Project No: NY5A9483  
Client No: L11071  
Site No: BRIST

Parameter	Result	Flag	Detection		Date/Time	
			Limit	Units	Method	Analyzed
<b>Wet Chemistry Analysis</b>						
Cyanide - Total	0.40		0.010	MG/L	335.4	03/17/2008 11:24 ERK
pH	7.8		0.50	S.U.	4500-H+ B	03/13/2008 19:59 TL

**STL** IN STL  
TRENT

PROJECT & CLIENT INFORMATION		Project State		Sample Information		REQUIRED ANALYSES		PAGE 1 OF 1		
PROJECT REFERENCE NAME: Bristol-Myers Squibb	Project No. # NY5A9483	NV		Contract/Quote No. NY05097				Final Report Type (Circle at least one): <b>II</b>		
STL LAB PROJECT MANAGER: Paul Morrow	F.O. Number:			CLIENT FAX: 716-691-0078				TAT: Standard		
CLIENT IS/IS NOT Chris Schifferli	CLIENT PHONE: 716-706-0074							EXPEDITED REPORT (circle one) <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> POST <input type="checkbox"/> OTHER		
CLIENT NAME: Groundwater & Environmental Services, Inc.	CLIENT EMAIL: CSCHIFFERLI@GESONLINE.COM									
CLIENT ADDRESS: 158 Sonwil Drive Cheektowaga, NY 14225										
SAMPLE SIGNATURE & INITIALS: <i>Brent Morrow</i> <i>BB</i>										
LABORATORY SAMPLE ID: GRAB										
SAMPLE TYPE: NO										
MATRIX: WATER										
NUMBER OF CONTAINERS SUBMITTED										
REMARKS										
SAMPLED ON	TIME	SAMPLE IDENTIFICATION								
DATE										
3-12-08	0700	001								
3-12-08	09:30	001								
3-12-08	11:45	001								
3-12-08	14:00	001								
12 total (4 - 1-liter Unpreserved Amber glass & 8 - 40mL HCl preserved VOA's)										
RELINQUISHED BY: (signature)	DATE	TIME	RELINQUISHED BY: (signature)		DATE	TIME	RELINQUISHED BY: (signature)		DATE	TIME
<i>Brent Morrow</i>	3-12-08	14:30								
RECEIVED BY: (signature)	DATE	TIME	RECEIVED BY: (signature)		DATE	TIME	RECEIVED BY: (signature)		DATE	TIME
<i>C. J. M. L.</i>	3-12-08	11:30								
LABORATORY USE ONLY										
RECEIVED FOR LABORATORY BY: (signature)	DATE	TIME	CUSTODY/INTACT		CUSTODY/SEAL	LABORATORY REMARKS:			DATE	TIME
					NO.					
					YES	o C				
					NO	6.0				
					YES	00				
					NO					