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Arch Chemicals, Inc.

Rochester, New York (Site #828018a)

Groundwater Monitoring Report 38
Spring 2007

September 2007

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Arch Chemicals, Inc.
P. O. Box 800
1200 Lower River Road
Charleston, TN 37310
Tel (423) 780-2724

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DER/HAZ. WASTE REMED
REGION 8

September 10, 2007

Mr. James H. Craft
New York State
Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, NY 14414

Re: Arch Rochester Spring 2007 Monitoring Report
Arch Chemicals (Site #628018a) 100 McKee Rd., Rochester, NY

Dear Mr. Craft:

The enclosed report presents the Spring 2007 results for the on-going groundwater and surface water monitoring program being conducted by Arch Chemicals, Inc., at its Rochester, New York, manufacturing facility.

If you have any questions regarding this submittal, please call me at (423) 780-2175.

Sincerely,

Gayle M. Taylor /jlb
Gayle M. Taylor
Manager, Environmental Issues
Arch Chemicals, Inc.

encl.

cc (w/encl): Bart Putzig, NYSDEC
James Reidy, USEPA Region II
Karin Klock, Arch Chemicals, Inc.
Jeffrey Brandow, MACTEC Engineering & Consulting, P.C.

SURFACE WATER AND GROUNDWATER MONITORING PROGRAM
SPRING 2007 MONITORING REPORT

ARCH CHEMICALS
ROCHESTER PLANT SITE
ROCHESTER, NEW YORK

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ARCH CHEMICALS, INC.
CHARLESTON, TENNESSEE

SEPTEMBER 2007

SURFACE WATER AND GROUNDWATER MONITORING PROGRAM
SPRING 2007 MONITORING REPORT

ARCH CHEMICALS
ROCHESTER PLANT SITE
ROCHESTER, NEW YORK

Prepared by

MACTEC Engineering & Consulting, P.C.
Portland, Maine

for

ARCH CHEMICALS, INC.
Charleston, Tennessee

September 2007

This document was prepared for the sole use of Arch Chemicals, Inc., the only intended beneficiary(ies) of our work. No other party shall rely on the information contained herein without prior written consent of MACTEC Engineering & Consulting, P.C.

Nelson M. Breton, C.G.
Principal Hydrogeologist

Jeffrey E. Brandow, P.E.
Principal Engineer

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EXECUTIVE SUMMARY

This monitoring report presents the results of an on-going groundwater and surface water monitoring program being conducted by Arch Chemicals, Inc., at its Rochester, New York, manufacturing facility. Results in this report include surface and groundwater samples collected in June 2007.

During this monitoring event, samples from a total of 47 groundwater monitoring or pumping wells and three locations associated with the Dolomite Products Quarry seep and outfall were collected and analyzed by Severn Trent Laboratories in Amherst, New York.

As in prior reports, monitoring results were compared with previous average concentrations at each sampling location. Thirty-two of the 50 monitoring locations sampled for chloropyridines had contaminant concentrations that were at or below their respective 5-year prior averages. Twenty-eight of the 34 monitoring locations sampled for volatile organic compounds had concentrations at or below their 5-year prior average. Contaminant contour plots are generally consistent with past observations.

Regular sampling locations associated with the quarry included the main quarry seep (QS-4), the quarry ditch as it enters the Erie Barge Canal (QO-2), and the surface water in the canal approximately 100-feet downstream of the quarry ditch (QO-2S1). The sample from quarry seep QS-4 remained below its historical average. Sample QO-2 contained chloropyridines at an estimated 6 µg/L, which is slightly above the 5-year prior average for this location. The sample from the canal had no detectable chloropyridines.

During the period December 2006 through May 2007, the on-site groundwater extraction system pumped approximately 5.6 million gallons of groundwater to the on-site treatment system, containing an estimated 306 pounds of chloropyridines and 6 pounds of target volatile organic compounds.

Pump and/or meter repairs were required on wells BR-5A, BR-7A, BR-9, PW-11, PW-13, and PW-14.

In November 2006, pumping well PW-10 partially collapsed while Arch was attempting to remove the pump for service. This well is no longer operational, and Arch is in the process of replacing it with a new pumping well at a location slightly south of PW-10.

All accessible on-site monitoring wells were checked for the presence of dense non-aqueous phase liquids (DNAPL) and floating (or light) NAPL (LNAPL), using an interface probe. No DNAPL or LNAPL was observed in any of these wells, with the exception of pumping well PW-13. Arch has been tracking the accumulation of LNAPL in PW-13 since the well was installed in 2004. During this monitoring event, the measured thickness of LNAPL in PW-13 increased to 0.91 feet.

The next regular monitoring event will occur in November 2007 and will include groundwater, surface water, and seep sampling.

1.0 INTRODUCTION

In accordance with the Order on Consent executed between Arch Chemicals, Inc., and the New York State Department of Environmental Conservation (NYSDEC), effective August 21, 2003, Arch is conducting a Remedial Action program at its facility on McKee Road in Rochester, New York. As part of this program, Arch conducts twice-yearly monitoring events consisting of sampling and chemical analysis of groundwater and surface water in the vicinity of the Rochester facility.

The Spring 2007 sampling event included the collection and analysis of a total of 50 groundwater, surface water, and seep samples from off-site and on-site locations. Samples were collected June 6 - 14, 2007, for analysis of selected chloropyridines and volatile organic compounds (VOCs).

This report presents the results of the Spring 2007 monitoring event.

2.0 SAMPLE COLLECTION AND ANALYSIS

2.1 GROUNDWATER

Groundwater samples were collected from off-site wells, on-site wells and piezometers for analysis of selected chloropyridines (2-chloropyridine, 2,6-dichloropyridine, 3-chloropyridine, 4-chloropyridine, pyridine, and p-fluoroaniline) and target compound list (TCL) VOCs. Samples were collected by Severn Trent Laboratories and transported to their laboratory in Amherst, New York for analysis. Table 1 lists the wells that were sampled and the requested analyses. The off-site and on-site locations of these sampling points are shown in Figures 1 and 2, respectively. Groundwater sampling data sheets are provided in Appendix A.

Groundwater was collected with the low flow/low stress purging technique from most of the wells using bladder or peristaltic pumps. Samples from active pumping wells (BR-5A, BR-7A, BR-9, PW-11, PW-13, and PW-14) were collected from the discharge lines.

One off-site bedrock monitoring well, BR-126, could not be located during the Spring 2007 event. It is assumed that this well has been damaged beyond repair by the off-site property owner.

Groundwater piezometric elevations were measured on June 5, 2007. Piezometric contour maps were constructed for each water-bearing zone (overburden, bedrock, and deep bedrock) and are presented in Figures 3, 4, and 5.

All accessible on-site monitoring wells were again checked for the presence of non-aqueous phase liquid (NAPL), using an interface probe. No dense NAPL (DNAPL) was observed in any of these wells. 0.91 feet of floating NAPL (LNAPL) was observed in pumping well PW-13, where it has been observed since the well's installation in 2004. The LNAPL has been previously analyzed as No. 2 fuel oil and there is no indication that it originates from the Arch facility. LNAPL was not observed in any of the other on-site wells.

2.2 SURFACE WATER

Surface water and quarry seep samples were collected as part of the on-going monitoring program for the Arch Rochester site. The location of the quarry and its outfall in relation to the site is shown on Figure 6. Samples of the quarry seep (QS-4), the surface ditch that receives the quarry discharge (QO-2), and the Barge Canal (QO-2S1) were collected by Severn Trent Laboratories on June 12, 2007. Samples were analyzed for the Arch suite of selected chloropyridines. The quarry locations sampled during this event are shown on Figure 7.

2.3 ANALYTICAL PROCEDURES

The analytical procedures, data review findings, and validated data for this groundwater and surface water monitoring event are discussed in the following paragraphs.

Samples were analyzed for the Arch suite of selected chloropyridines and TCL VOCs by USEPA SW-846 Methods 8270C and 8260B, respectively. The reporting limits for the chloropyridines and VOCs are approximately 10 micrograms per liter (µg/L) and 5 to 25 µg/L, respectively, for undiluted samples.

2.4 QUALITY CONTROL

All laboratory analytical results were reviewed and qualified following U.S. Environmental Protection Agency Contract Laboratory Program (USEPA CLP), "National Functional Guidelines For Organic Data Review", October, 1999, as modified by USEPA Region II, "SOP No. HW-6 Revision XII", March 2001. Analytical results were evaluated for the following parameters:

* Collection and Preservation
* Holding Times
  Surrogate Recoveries
  Blank Contamination
* Duplicates
* Laboratory Control Samples
* Matrix Spike/Matrix Spike Duplicates
  Miscellaneous

* - *all criteria were met for this parameter*

With the qualifications discussed below, results are determined to be usable as reported by the laboratory.

Surrogate Recoveries. Several SVOC samples in SDG 6241 had surrogate recoveries that were less than laboratory control limits due to large dilutions that were required for target analytes. In order to minimize these low surrogate recoveries, serial dilutions are generally carried out based on a dilution schedule that is supplied to the laboratory. However, during this event the schedule was not originally followed which resulted in the low surrogates recoveries. Since these dilutions were necessary no qualifications were added to the samples based on surrogate recoveries alone.

Blank Contamination. Methylene chloride (0.59 µg/L) and acetone (2.2 µg/L) were reported in the trip and method blanks. Action levels were calculated at ten times the detections reported in the blanks and compared to raw data results. The results for methylene chloride in samples BR-127, BR-5A, BR-9, E-1, PW-11, PZ-107, S-3, BR-6A, PW-10, PW-13, PW-14, and PZ-106 were less than the action level and were qualified as non-detect (U). The results for acetone in samples BR-8, E-1, PW-11, S-3, S-4, and BR-6A were also less than the action level and were qualified as non-detect (U).

Miscellaneous. Several samples required dilutions due to concentrations of the target analytes 2,6-dichloropyridine, 2-chloropyridine, chloroform, and chlorobenzene that were greater than the instrument calibration range. These dilutions ranged from two to twenty thousand times. Results were reported from the lowest diluted analytical run that met validation criteria.

The predilution table was not originally followed for SVOC samples in SDG 6241. The samples were re-extracted outside of holding times in order to follow the dilution schedule. Results were reported from the original analytical runs which were analyzed within holding times, so no qualifications were necessary.

3.0 ANALYTICAL RESULTS

3.1 GROUNDWATER

The validated results from the Spring 2007 groundwater monitoring event are provided in Tables 2 and 3. Table 4 provides a comparison of the Spring 2007 analytical results for selected chloropyridines and VOCs in representative wells to mean concentrations of the prior five years (Spring 2002 through Fall 2006). Long term trends for both selected chloropyridines and VOCs are also presented as time-series plots for representative wells in Appendix B. A summary of the analytical findings is presented below by parameter class.

3.1.1 Chloropyridines

On-Site. Chloropyridines were detected above sample quantitation limits in all 22 on-site wells sampled in the Spring 2007 event. Concentrations of chloropyridines ranged from 29 micrograms per liter (µg/L) (sum of all chloropyridine and pyridine isomer concentrations) in monitoring well E-3 to 1,120,000 µg/L in monitoring well B-17. Thirteen of the on-site wells exhibited total chloropyridine concentrations that were below their respective means from monitoring events over the previous five years (see Table 4). Wells B-17, BR-3, BR-7A, BR-9, E-1, MW-127, PW-14, PZ-105 and PZ-107 contained chloropyridines at levels exceeding their prior 5-year means.

Off-Site. Chloropyridines were detected above sample quantitation limits in 22 of 25 off-site wells that were sampled. Concentrations of total selected chloropyridines ranged from non-detect (in BR-116, MW-114, and NESS-W) to 4,400 µg/L in monitoring well MW-106. Seventeen of the off-site wells contained total chloropyridine concentrations that were below their respective 5-year prior means, while wells BR-103, BR-104, BR-112D, BR-113D, BR-116D, BR-122D, MW-103, and MW-104 exceeded their prior 5-year means.

Concentration Contours. Chloropyridine distribution in groundwater is shown as a set of concentration contours on Figure 8. The contours were developed using data from both overburden and bedrock monitoring wells. Contours are approximated (shown as dashed lines) where they are based on data from previous sampling rounds.

3.1.2 Selected VOCs.

On-Site. Selected VOCs were detected in 6 of the 22 on-site wells sampled in the Spring 2007 event. Total concentrations of selected VOCs ranged from non-detect (in wells BR-8, E-1, E-3, MW-127, PW-13, PZ-105, and S-4) to 260,000 µg/L in PZ-106 for the sum of the principal site-related contaminants (carbon tetrachloride, chloroform, methylene chloride, tetrachloroethene, and trichloroethene). Only three of the 22 on-site wells (B-17, B-7, and BR-127) contained concentrations of total VOCs above their 5-year prior means. In addition to the selected VOCs, other notable constituents detected in on-site wells include chlorobenzene (in 18 out of 22 wells), benzene (15 of 22), toluene (15 of 22), vinyl chloride (12 of 22), carbon disulfide (10 of 22), 1,2-dichloroethene (10 of 22), acetone (8 of 22), ethylbenzene (7 of 22), xylenes (6 of 22), bromoform (5 of 22), and 1,1-dichloroethane (4 of 22).

Off-Site. Selected VOCs were detected in 6 of the 12 off-site wells sampled for VOCs in the Spring 2007 event. Total concentrations of selected VOCs ranged from non-detect (in MW-106, BR-106, BR-114, PZ-101, PZ-103, and PZ-104) to 87 µg/L (in MW-103). Only three of the 12 off-site wells (BR-103, BR-105, and MW-114) had selected VOC concentrations above their prior 5-year means. In addition to the selected VOCs, other notable constituents detected in off-site wells include benzene (in 9 out of 12 wells), chlorobenzene (9 of 12), 1,2-dichloroethene (7 of 12), carbon disulfide (5 of 12), toluene (5 of 12), vinyl chloride (4 of 12), acetone (4 of 12), and ethyl benzene (3 of 12).

Concentration Contours. The distribution of selected VOCs in groundwater is shown as a set of concentration contours on Figure 9. These contours were developed using both overburden and bedrock groundwater data, and are dashed where approximated using data from previous sampling rounds.

3.2 SURFACE WATER

Results from the Spring 2007 canal and quarry monitoring event are presented in Table 5, and summarized below.

3.2.1 Quarry

One quarry seep was sampled in the Spring 2007 monitoring event. Quarry seep QS-4 contained 240 µg/L total chloropyridines. Concentrations remain at or below historical averages.

3.2.2 Quarry Discharge Ditch

One sample was collected from the quarry discharge ditch and analyzed for chloropyridines. Sample QO-2 was collected at the point where the ditch discharges to the canal. Total chloropyridines were detected in the ditch sample at an estimated concentration of 6 µg/L, which is slightly above the 5-year prior mean for this location.

3.2.3 Barge Canal

No chloropyridines were detected in the surface water sample collected from the Erie Barge Canal (QO-2S1, located approximately 100 feet downstream of QO-2).

4.0 EXTRACTION SYSTEM PERFORMANCE AND MAINTENANCE

Table 6 is a summary of the system flow measurements for the on-site extraction wells from December 2006 through May 2007. The total volume pumped during the six-month period is approximately 5.6 million gallons.

Pump and/or meter repairs were required on wells BR-5A, BR-7A, BR-9, PW-11, PW-13, and PW-14.

In November 2006, pumping well PW-10 partially collapsed while Arch was attempting to remove the pump for service. This well is no longer operational, and Arch is in the process of replacing it with a new pumping well at a location slightly south of PW-10.

Table 7 provides a calculation of mass removal rates since the previous groundwater monitoring event (i.e., from December 2006 through May 2007). Arch estimates that approximately 6 pounds of target VOCs and 306 pounds of chloropyridine compounds were removed by the groundwater extraction system and treated by the plant's activated carbon adsorption units over that time period.

5.0 OTHER ISSUES

For other issues related to the remedial action program at the Arch Rochester Plant Site, please see the monthly progress reports, which commenced in February 2005.

6.0 NEXT MONITORING EVENT

The next regular monitoring event will occur in November 2007 and will include groundwater, surface water, and seep sampling.

Table 8 shows the current monitoring program for the Arch Rochester site.

Figures

Legend

Outline of Arch Property Boundary

Monitoring Well

NOTES

1. Source - Topographic Quadrangle 7.5-Minute Series

N

0 250 500 1,000 Feet

Prepared by JJW | Checked by NMB

ERIE BARGE CANAL

I-390

FIRTH RIXSON

ARCH

BUFFALO RD. BUSINESS CENTER

MW-103/BR-103

MW-108/BR-108

PZ-102

BR-111/BR-111D

BR-106/MW-106

PZ-103

MW-16

AID TO HOSPITALS

ARM

MW-126/BR-126

MW-105/BR-105

BR-112/BR-112D

MW-104/BR-104

BUFFALO ROAD

12-6

CUMBERLAND FARMS PETROLEUM TERMINAL

MW-114/BR-114

NESS-W

NESS-E

OW-105

8-8

7-6

BR-113/BR-113D

LEXINGTON

11-8

GENERAL RAIL SIGNAL CO.

DOLOMITE PRODUCTS QUARRY

9-6

10-6

RW-1

13-4

Morey

OW-102A

OW-103

BR-122D

PFAUDLER

BR-117/BR-117D

BR-121D (Abandoned)

BR-118/BR-118D

BR-123D

BR-116/BR-116D

BR-120D (Abandoned)

BR-119D (Abandoned)

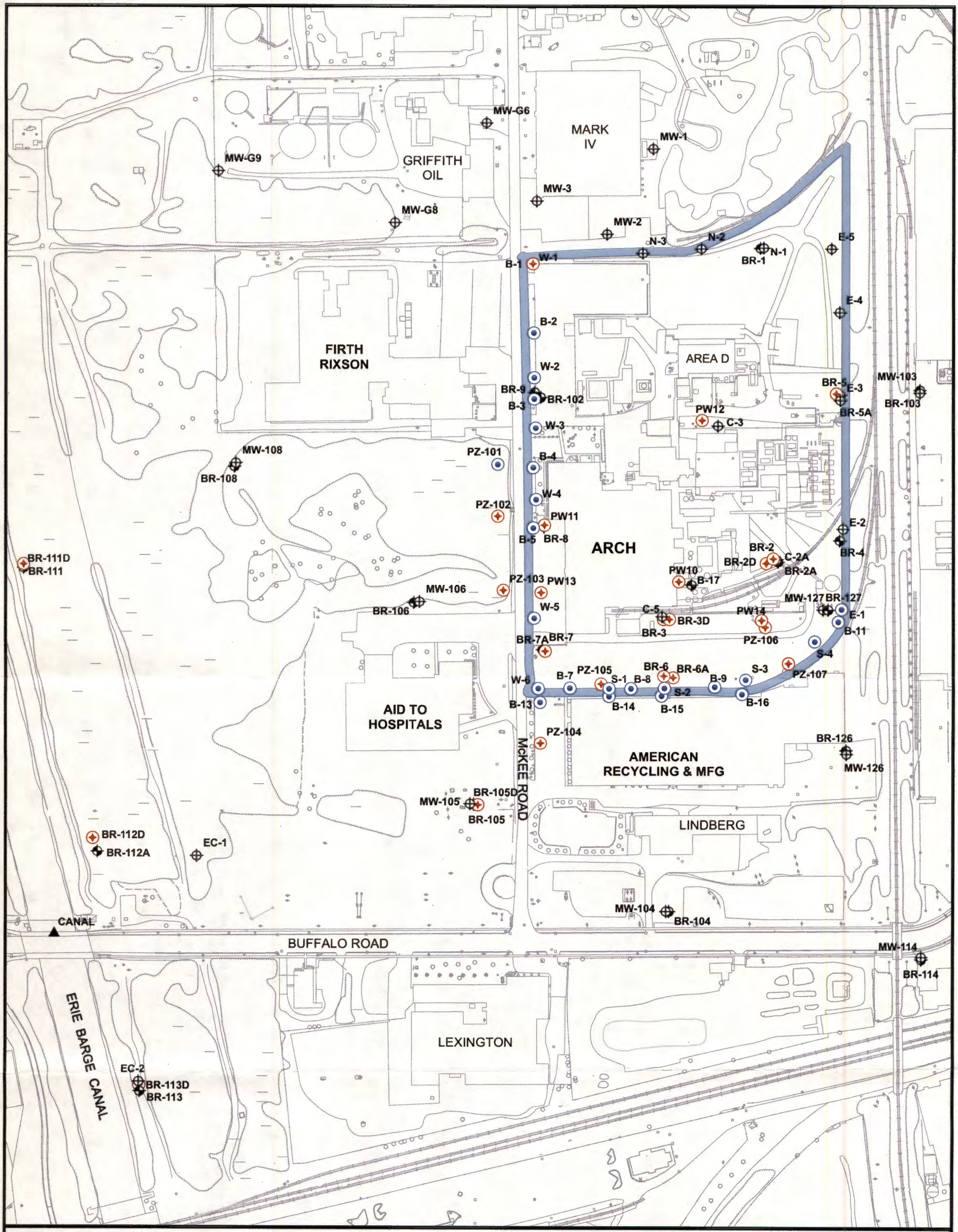
LETTINGTON DRIVE

BR-124D

Figure 1
Off-Site Groundwater Monitoring Well Locations

Arch Chemicals
Rochester, NY
MACTEC, Inc.

Document: P:\Projects\Arch\Rochester\GIS\MapDocuments\Spring 2006\Arch_OffsiteWells_Fig1.mxd PDF: P:\Projects\Arch\Rochester\GIS\Figures\Monitoring_Spring2006\Figure1_OffsiteWells.pdf 08/28/2006 8:41 AM jjwherren



NOTES:

1. Off-Site Well Locations also Included on Figure 1

N

0 100 200 400 Feet

Prepared by JJW | Checked by NMB

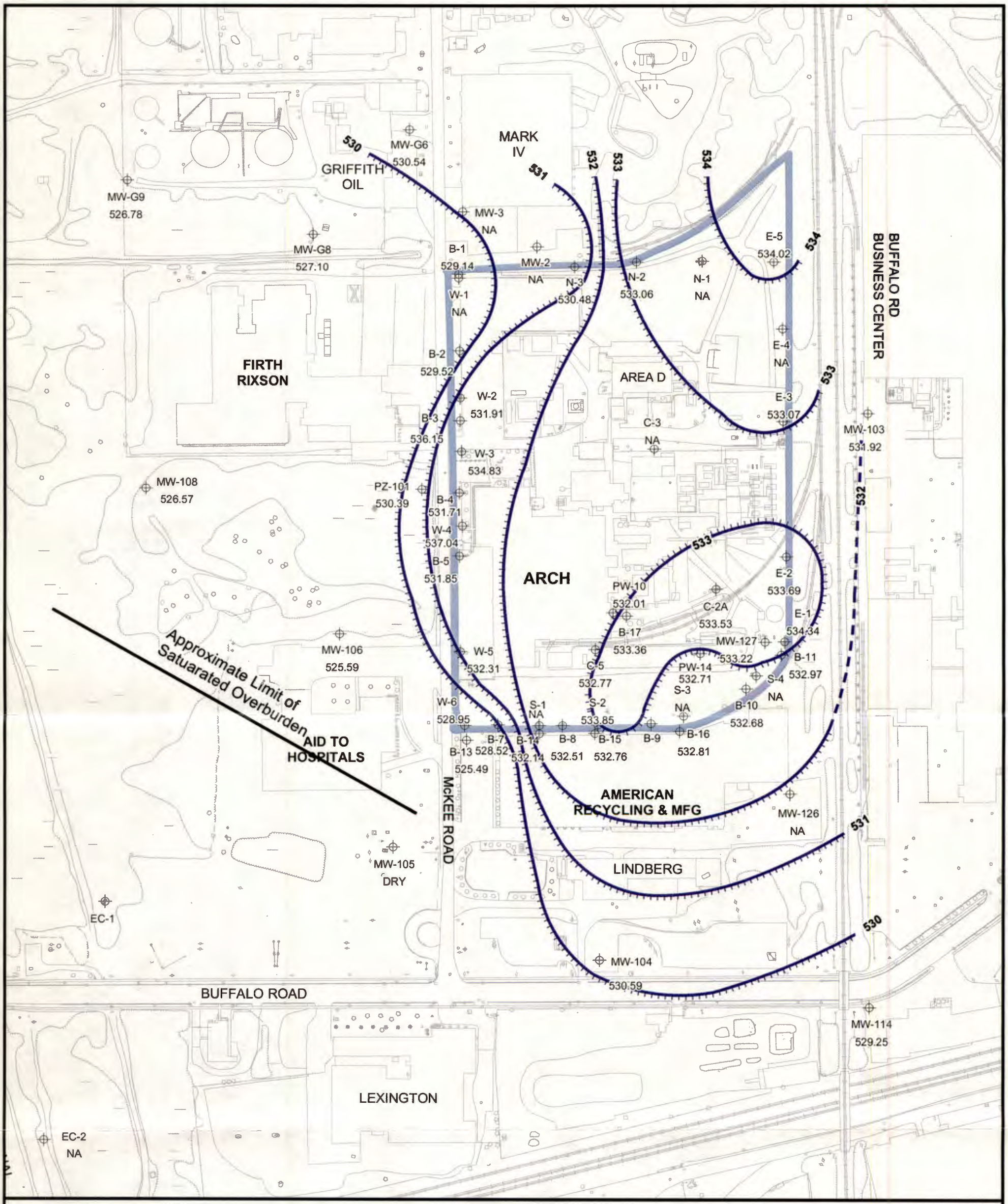
Legend

- Outline of Arch Property Boundary
- Overburden Piezometer / Pumping Well
- Bedrock Piezometer / Pumping Well / Deep Bedrock Monitoring Well
- Overburden Monitoring Well
- Bedrock Monitoring Well
- Surface Water Measurement Point

Figure 2
Onsite Monitoring Well Locations

Arch Chemicals
Rochester, NY
MACTEC, Inc.

Document: P:\Projects\Arch\Rochester\GIS\MapDocuments\Spring 2006\OnsiteWells_Fig2.mxd PDF: P:\Projects\Arch\Rochester\GIS\Figures\Monitoring_Spring2006\Figure2_OnsiteWells.pdf 08/28/2006 9:22 AM jjwherren



Legend

- Outline of Arch Property Boundary
- Overburden Piezometric Elevation Contour (MSL)
- 528 — Interpreted Groundwater Flow Direction
- MW-114 (528.76) — Piezometric Elevation at Well or Piezometer

NOTES:

1. Water Levels Measured on June 5, 2006
2. NA = Not Available
   BLANK
3. Dashed Contours Reflect Uncertainty
4. (<518.01) Reflects Bottom of Well Elevation, Well Observed Dry

0 100 200 400 Feet

N

Prepared by DBW | Checked by NMB

Figure 3
Spring 2007
Overburden Groundwater
Interpreted Piezometric Contours

Arch Chemicals
Rochester, NY
MACTEC, Inc.

Document: P:\Projects\Arch\Rochester\GIS\MapDocuments\Spring 2007\OverburdenGW_Fig3.mxd PDF: P:\Projects\Arch\Rochester\GIS\Figures\Monitoring_Spring2007\Figure3_Overburden.pdf 08/21/2007 2:08 PM dbwildes

Legend

- Bedrock Well ('D' Designates Deep Well)
- 500 — Outline of Arch Property Boundary
- Deep Bedrock Elevation Contour (MSL)
- Interpreted Groundwater Flow Direction
- BR-116D (509.03) Piezometric Elevation at Deep Bedrock Well

NOTES

1. Water Levels Measured on June 5, 2007
2. Dashed Contours Reflect Uncertainty

N

0 250 500 1,000 Feet

Prepared by DBW | Checked by NMB

I-390

ERIE BARGE CANAL

FIRTH RIXSON

BUFFALO RD. BUSINESS CENTER

ARCH

BR-9

BR-103

BR-108

BR-111D 510.92

BR-111

BR-2D 537.21

BR-3D 476.35

AID TO HOSPITALS

BR-106

ARM

BR-105

BR-105D 511.04

BR-112D 511.28

BR-112

BR-104

BR-114

BUFFALO ROAD

CUMBERLAND FARMS PETROLEUM TERMINAL

BR-113

BR-113D 511.23

LEXINGTON

GENERAL RAIL SIGNAL CO.

DOLOMITE PRODUCTS QUARRY

PFAUDLER

BR-122D 507.02

BR-117D 496.72

BR-117

BR-118

BR-118D 498.54

BR-121D Abandoned

BR-120D Abandoned

BR-119D Abandoned

BR-116D 509.11

BR-116

BR-123D 507.84

BR-124D 506.04

LETTINGTON DRIVE

511 509 507 505 503 501 499 497

Figure 5
Spring 2007
Deep Bedrock Groundwater
Interpreted Piezometric Contours

Arch Chemicals
Rochester, NY
MACTEC, Inc.

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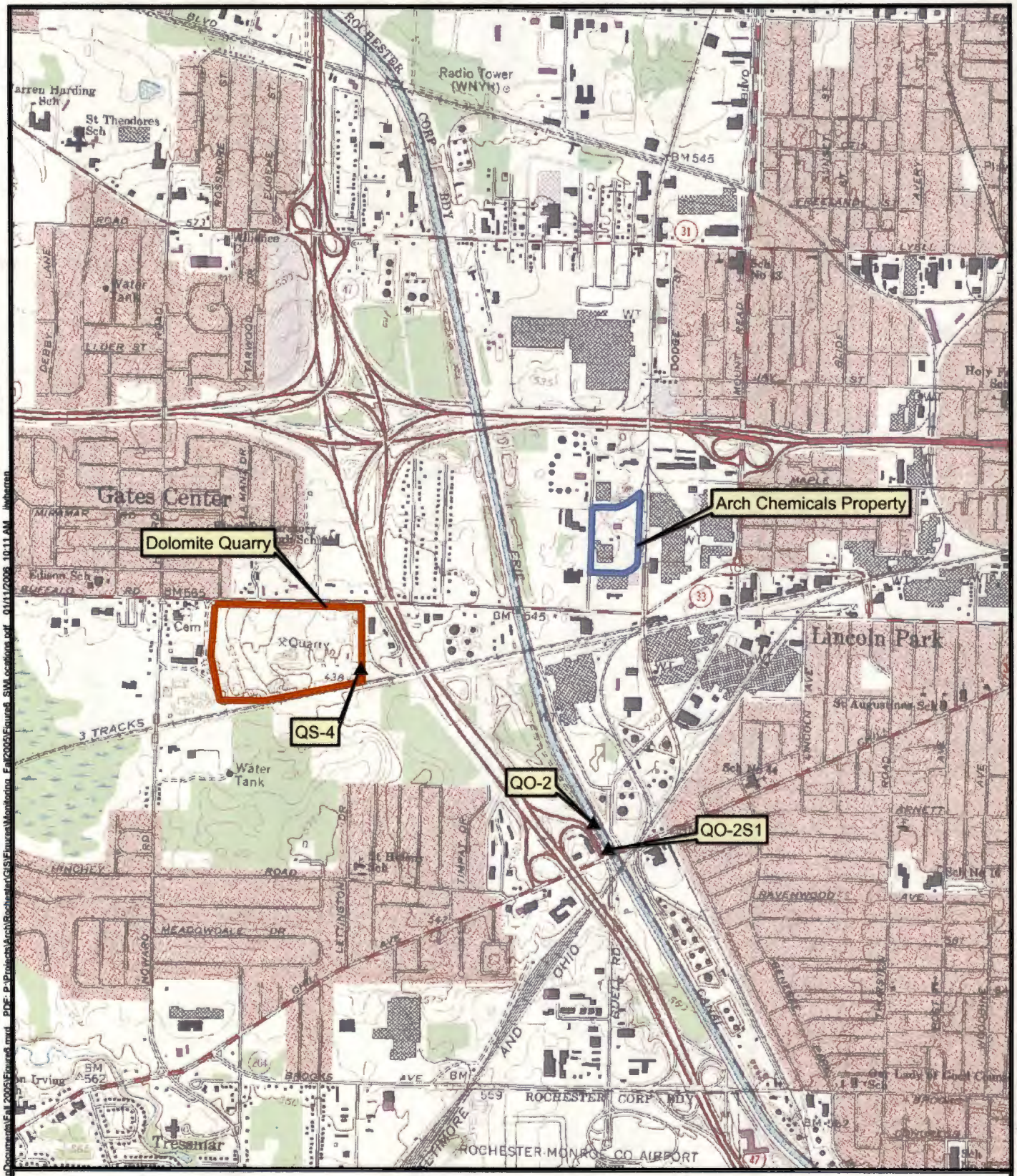


Source:
1:24,000 scale digital topographic map obtained from New York State GIS Clearinghouse at: www.nysgis.state.ny.us

N

0 0.25 0.5 Miles

Prepared by JJW | Checked by JEB

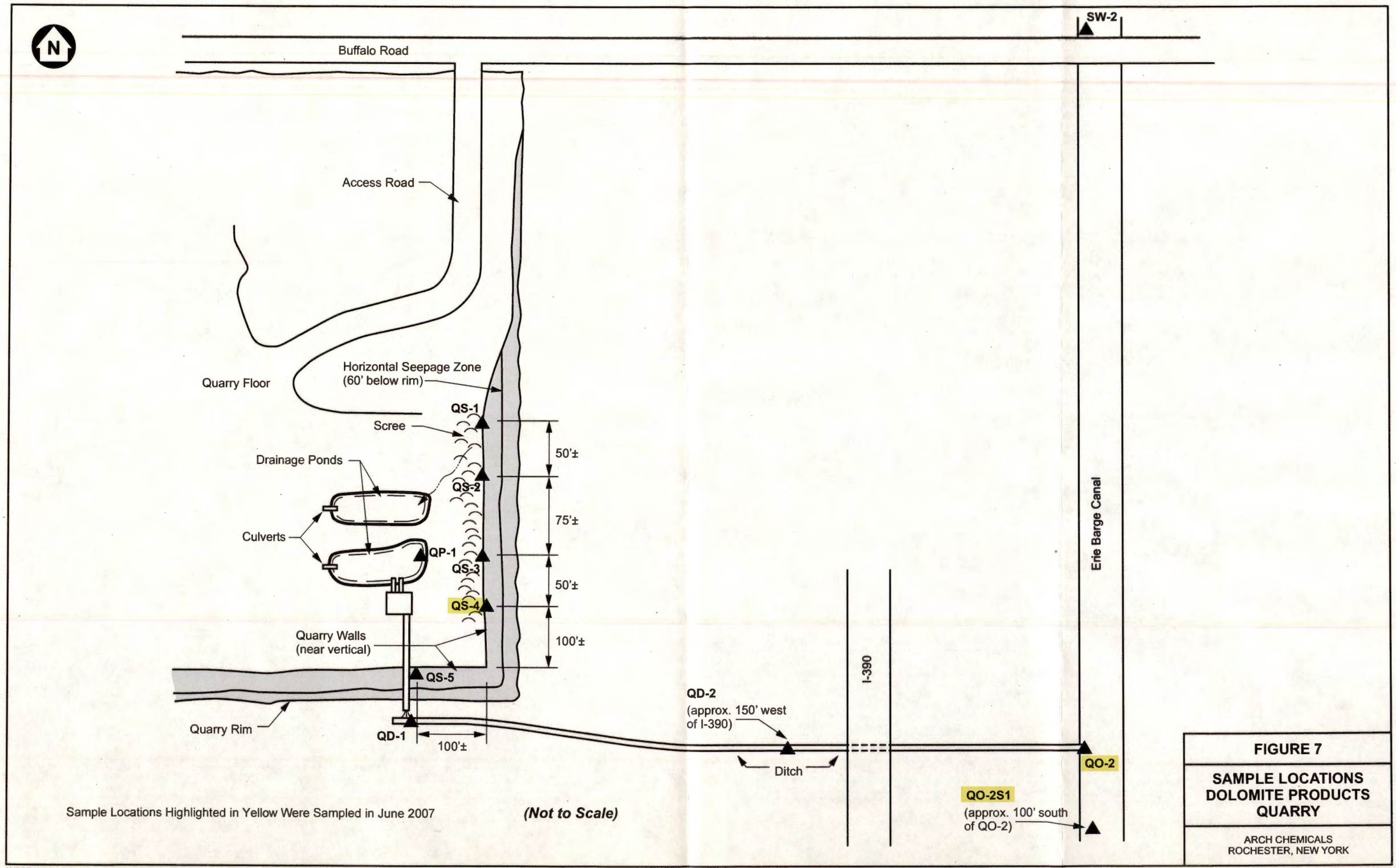
Legend

- Arch Property Boundary
- Dolomite Quarry Boundary
- ▲ Surface Water Sample Location

Figure 6
Sample Locations
Erie Barge Canal

Arch Chemicals
Rochester, New York
MACTEC, Inc.

Document: P:\Projects\Arch\Rochester\GIS\MapDocuments\Fall 2005\Figure6.mxd PDF: P:\Projects\Arch\Rochester\GIS\Figures\Monitoring Fall2005\Figure6_SWLocations.pdf 01/11/2006 10:11 AM jwheaton



Sample Locations Highlighted in Yellow Were Sampled in June 2007

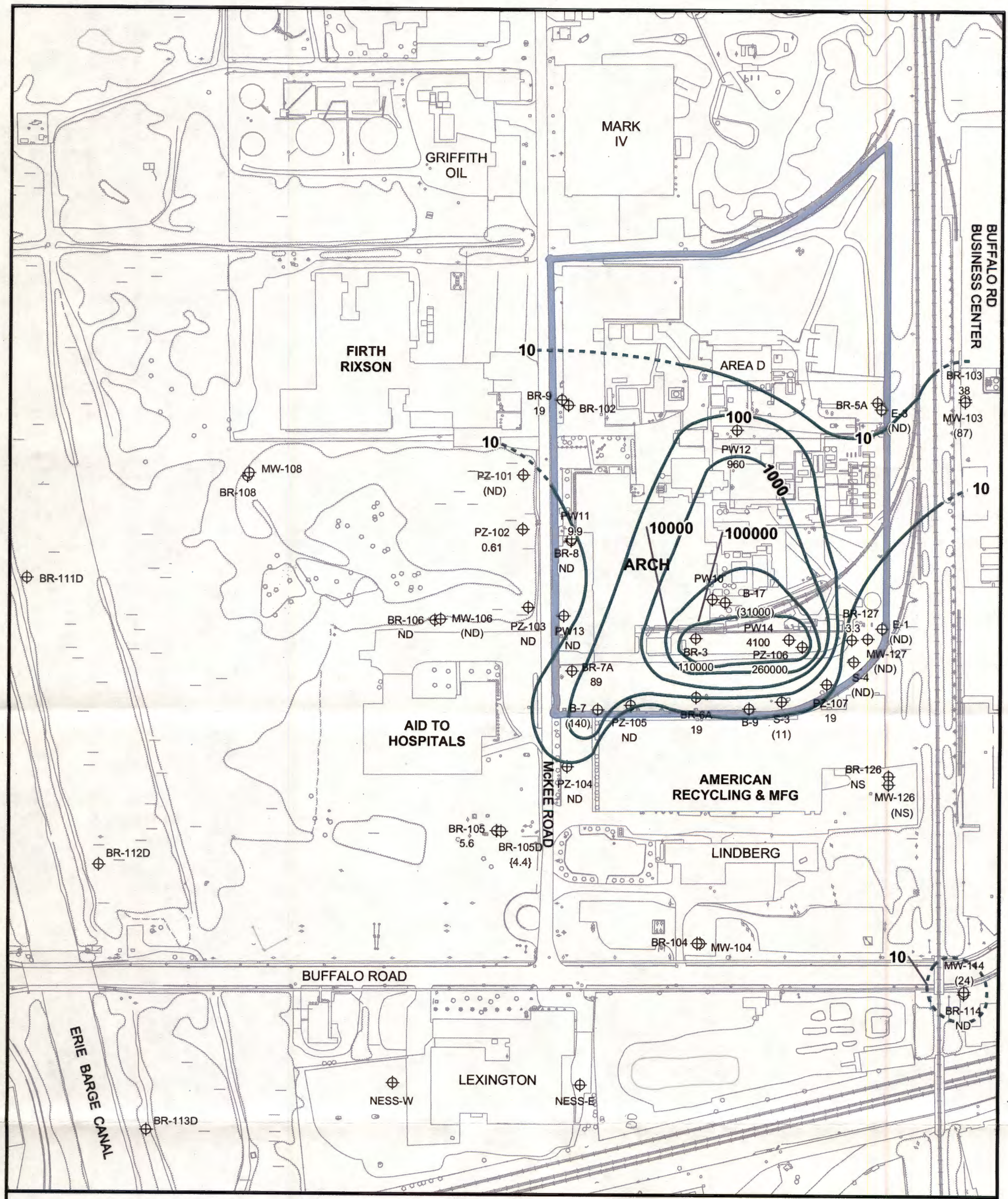
(Not to Scale)

FIGURE 7

SAMPLE LOCATIONS
DOLOMITE PRODUCTS QUARRY

ARCH CHEMICALS
ROCHESTER, NEW YORK

W2004030a.cdr



Legend

- Outline of Arch Property Boundary
- 100 — VOC Concentration Contour
- BR-113D {NS} — Monitoring Location with Concentration
- {1000} Deep Bedrock Well
- (1000) Overburden Well
- 1000 Bedrock Well
- NS Not Sampled
- ND Not Detected

0 100 200 Feet

N

Prepared by DBW | Checked by NMB

NOTES:

1. Samples Collected in June, 2007
2. Selected VOCs consist of Carbon tetrachloride, Methylene chloride Chloroform, TCE, and PCE.
3. Concentration contours represented for Bedrock Wells and selected Overburden and Deep Bedrock Wells.
4. Dashed concentration contours represent inferences from historical analytical results.

Figure 9
Spring 2007
Selected Volatile Organic Compound Concentration Contours

Arch Chemicals
Rochester, NY
MACTEC, Inc.

Document: P:\Projects\Arch\Rochester\GIS\MapDocuments\Spring 2007\Arch_VOCs_Fig9.mxd PDF: P:\Projects\Arch\Rochester\GIS\Figures\Monitoring_Spring2007\Figure9_VOCs.pdf 08/21/2007 2:25 PM dbwildes

Tables

TABLE 1
SPRING 2007 GROUNDWATER SAMPLING AND ANALYTICAL PROGRAM

ARCH CHEMICALS, INC
ROCHESTER, NEW YORK

			ANALYSIS	PYRIDINES	VOCs
SITE / AREA	WELL / POINT	DATE	QC TYPE		
AID TO HOSPITALS	BR-106	6/13/2007	Sample	X	X
	BR-108	6/12/2007	Sample	X	
	MW-106	6/13/2007	Sample	X	X
	PZ-101	6/13/2007	Sample	X	X
	PZ-102	6/13/2007	Sample	X	X
	PZ-103	6/13/2007	Sample	X	X
AMERICAN RECYCLING & MANUFACTURING (58 MCKEE ROAD)	PZ-104	6/13/2007	Sample	X	X
ARCH ROCHESTER	B-17	6/11/2007	Sample	X	X
	B-7	6/11/2007	Sample	X	X
	BR-127	6/7/2007	Sample	X	X
	BR-3	6/11/2007	Sample	X	X
	BR-5A	6/8/2007	Sample	X	X
	BR-6A	6/6/2007	Sample	X	X
	BR-7A	6/8/2007	Sample	X	X
	BR-8	6/6/2007	Sample	X	X
	BR-9	6/8/2007	Sample	X	X
	E-1	6/6/2007	Sample	X	X
	E-3	6/7/2007	Sample	X	X
	MW-127	6/7/2007	Sample	X	X
	PW10	6/8/2007	Sample	X	X
	PW11	6/6/2007	Sample	X	X
	PW12	6/11/2007	Sample	X	X
	PW13	6/8/2007	Sample	X	X
	PW14	6/8/2007	Sample	X	X
	PZ-105	6/7/2007	Sample	X	X
	PZ-106	6/7/2007	Sample	X	X
	PZ-107	6/7/2007	Sample	X	X
	S-3	6/6/2007	Sample	X	X
	S-4	6/6/2007	Duplicate	X	X
	S-4	6/6/2007	Sample	X	X
DOLOMITE PRODUCTS, INC.	BR-117D	6/12/2007	Sample	X	
	BR-118D	6/12/2007	Sample	X	
	QS-4	6/12/2007	Sample	X	
EASTMAN KODAK (FORMERLY GERBER PROPERTY)	BR-103	6/11/2007	Sample	X	X
	MW-103	6/11/2007	Sample	X	X
ERIE BARGE CANAL(Samples in canal or property along canal)	BR-112D	6/14/2007	Sample	X	
	BR-113D	6/14/2007	Sample	X	
	BR-122D	6/12/2007	Sample	X	
	BR-123D	6/12/2007	Sample	X	
	QO-2	6/12/2007	Sample	X	
	QO-2S1	6/12/2007	Sample	X	
JACKSON WELDING	BR-114	6/14/2007	Sample	X	X
	MW-114	6/14/2007	Sample	X	X
LEXINGTON MACHINING	NESS-E	6/13/2007	Sample	X	
	NESS-W	6/13/2007	Sample	X	
PFAUDLER, INC.	BR-116	6/12/2007	Sample	X	
	BR-116D	6/12/2007	Sample	X	
RG & E RIGHT OF WAY	BR-104	6/12/2007	Sample	X	
	BR-105	6/13/2007	Sample	X	X
	BR-105D	6/13/2007	Sample	X	X
	MW-104	6/12/2007	Sample	X	

TABLE 2
SPRING 2007 GROUNDWATER MONITORING RESULTS
CHLOROPYRIDINES

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	B-17	B-7	BR-103	BR-104	BR-105	BR-105D	BR-106	BR-108	BR-112D	BR-113D
SAMPLE DATE:	06/11/07	06/11/07	06/11/07	06/12/07	06/13/07	06/13/07	06/13/07	06/12/07	06/14/07	06/14/07
QC TYPE:	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample
BY SW-846 Method 8270C (µg/L)										
2,6-Dichloropyridine	61000	220	13	4 J	100	54 J	680 J	2 J	5 J	6 J
2-Chloropyridine	990000	600	41	20	850	760	2300	14	27	46
3-Chloropyridine	7600 J	50 U	9 U	9 U	100 U	100 U	1000 U	10 U	9 U	9 U
4-Chloropyridine	9700 J	50 U	9 U	9 U	100 U	100 U	1000 U	10 U	9 U	9 U
p-Fluoroaniline	10000 U	50 U	2 J	9 U	100 U	10 J	1000 U	10 U	9 U	9 U
Pyridine	150000	120 U	24 U	24 U	250 U	250 U	2500 U	24 U	24 U	24 U

Notes:
U = Compound not detected; value represents sample quantitation limit.

TABLE 2
SPRING 2007 GROUNDWATER MONITORING RESULTS
CHLOROPYRIDINES

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	BR-114		BR-116		BR-116D		BR-117D		BR-118D		BR-122D		BR-123D		BR-127		BR-3		BR-5A	
SAMPLE DATE:	06/14/07		06/12/07		06/12/07		06/12/07		06/12/07		06/12/07		06/12/07		06/07/07		06/11/07		06/08/07	
QC TYPE:	Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample	
BY SW-846 Method 8270C (µg/L)																				
2,6-Dichloropyridine	15	J	9	U	4	J	9	U	3	J	18		7	J	220		12000		37	
2-Chloropyridine	36	J	9	U	28		4	J	56		130		46		1500		88000		170	
3-Chloropyridine	47	U	9	U	10	U	9	U	9	U	9	U	9	U	95	U	10000	U	9	U
4-Chloropyridine	47	U	9	U	10	U	9	U	6	J	9	U	9	U	95	U	10000	U	9	U
p-Fluoroaniline	47	U	9	U	10	U	9	U	9	U	1	J	9	U	12	J	10000	U	17	
Pyridine	120	U	24	U	24	U	24	U	24	U	24	U	24	U	73	J	11000	J	61	

Notes:
U = Compound not detected; value represents sample quantitation limit.

TABLE 2
SPRING 2007 GROUNDWATER MONITORING RESULTS
CHLOROPYRIDINES

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	BR-6A	BR-7A	BR-8	BR-9	E-1	E-3	MW-103	MW-104	MW-106	MW-114
SAMPLE DATE:	06/06/07	06/08/07	06/06/07	06/08/07	06/06/07	06/07/07	06/11/07	06/12/07	06/13/07	06/14/07
QC TYPE:	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample
BY SW-846 Method 8270C (µg/L)										
2,6-Dichloropyridine	540	4000	71	52	4000 J	12	23	4 J	1400	10 U
2-Chloropyridine	4100	15000	280	260	72000	17	73	10	3000	10 U
3-Chloropyridine	500 U	1900 U	47 U	38 U	10000 U	10 U	9 U	9 U	50 U	10 U
4-Chloropyridine	500 U	1900 U	47 U	38 U	10000 U	10 U	9 U	9 U	50 U	10 U
p-Fluoroaniline	500 U	1900 U	14 J	3 J	10000 U	10 U	0.9 J	9 U	32 J	10 U
Pyridine	1200 U	4800 U	120 U	95 U	25000 U	24 U	24 U	24 U	120 U	24 U

Notes:
U = Compound not detected; value represents sample quantitation limit.

TABLE 2
SPRING 2007 GROUNDWATER MONITORING RESULTS
CHLOROPYRIDINES

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	MW-127		NESS-E		NESS-W		PW10		PW11		PW12		PW13		PW14		PZ-101		PZ-102	
SAMPLE DATE:	06/07/07		06/13/07		06/13/07		06/08/07		06/06/07		06/11/07		06/08/07		06/08/07		06/13/07		06/13/07	
QC TYPE:	Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample	
BY SW-846 Method 8270C (µg/L)																				
2,6-Dichloropyridine	1400	J	26		9	U	5800		330	J	1200		360		2000		25	J	510	
2-Chloropyridine	7500		200		9	U	87000		1200		2100		1400		34000		65		1600	
3-Chloropyridine	1900	U	9	U	9	U	530	J	500	U	400	U	190	U	470	U	47	U	100	U
4-Chloropyridine	1900	U	9	U	9	U	1400	J	500	U	400	U	190	U	370	J	47	U	100	U
p-Fluoroaniline	1900	U	1	J	9	U	1900	U	500	U	88	J	190	U	470	U	47	U	14	J
Pyridine	4800	U	24	U	24	U	2600	J	1200	U	1000	U	470	U	2200		120	U	250	U

Notes:
U = Compound not detected; value represents sample quantitation limit.

TABLE 2
SPRING 2007 GROUNDWATER MONITORING RESULTS
CHLOROPYRIDINES

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	PZ-103		PZ-104		PZ-105		PZ-106		PZ-107		S-3		S-4		S-4	
SAMPLE DATE:	06/13/07		06/13/07		06/07/07		06/07/07		06/07/07		06/06/07		06/06/07		06/06/07	
QC TYPE:	Sample		Sample		Sample		Sample		Sample		Sample		Duplicate		Sample	
BY SW-846 Method 8270C (µg/L)																
2,6-Dichloropyridine	940		250	J	2500		4500	J	1500		1600		16		16	
2-Chloropyridine	2200		1800		16000		22000		27000		5800		56		57	
3-Chloropyridine	200	U	400	U	270		210		480	U	1000	U	10	U	10	U
4-Chloropyridine	200	U	400	U	44	J	71	J	340	J	1000	U	10	U	10	U
p-Fluoroaniline	55	J	400	U	40	J	33	J	480	U	1000	U	10	U	10	U
Pyridine	500	U	1000	U	120	U	1400		2000		2500	U	24	U	24	U

Notes:
U = Compound not detected; value represents sample quantitation limit.

TABLE 3
SPRING 2007 GROUNDWATER MONITORING RESULTS
VOLATILE ORGANIC COMPOUNDS

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	B-17	B-7	BR-103	BR-105	BR-105D	BR-106	BR-114	BR-127	BR-3	BR-5A
SAMPLE DATE:	06/11/07	06/11/07	06/11/07	06/13/07	06/13/07	06/13/07	06/14/07	06/07/07	06/11/07	06/08/07
QC TYPE:	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample	Sample
VOLATILE ORGANIC COMPOUNDS	B-17									
BY SW-846 Method 8260/5ML (µg/L)										
1,1,1-Trichloroethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
1,1,2,2-Tetrachloroethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
1,1,2-Trichloroethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
1,1-Dichloroethane	500 U	5 U	5 U	0.84 J	4 J	5 U	5 U	5 U	5000 U	5 U
1,1-Dichloroethene	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
1,2,4-Trimethylbenzene	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
1,2-Dichloroethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
1,2-Dichloroethene (total)	1000 U	10 U	4.3 J	42	8.6 J	0.87 J	1.1 J	5.9 J	10000 U	13
1,2-Dichloropropane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
1,3,5-Trimethylbenzene	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
2-Butanone	2500 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25000 U	25 U
2-Hexanone	2500 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25000 U	25 U
4-Methyl-2-pentanone	2500 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25000 U	25 U
Acetone	460 J	1.7 J	2.6 J	25 U	25 U	25 U	25 U	2.4 J	25000 U	3.2 J
Benzene	59 J	0.93 J	5 U	2 J	6	18	3.5 J	0.81 J	5000 U	9.1
Bromodichloromethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
Bromoform	500 U	2.2 J	0.6 J	5 U	5 U	5 U	5 U	5 U	880 J	5 U
Bromomethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
Carbon disulfide	220 J	16	3.1 J	5 U	0.91 J	0.99 J	5 U	1.4 J	17000	5 U
Carbon tetrachloride	620	29	12	2.5 J	5 U	5 U	5 U	5 U	12000	5 U
Chlorobenzene	150 J	37	8	4.9 J	5 U	140	5 U	0.8 J	5000 U	12
Chlorodibromomethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
Chloroethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
Chloroform	28000	100	22	1.2 J	4.4 J	5 U	5 U	2.3 J	81000	2 J
Chloromethane	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
cis-1,3-Dichloropropene	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
Ethyl benzene	500 U	2.6 J	0.78 J	5 U	0.46 J	5 U	5 U	5 U	5000 U	5 U
Methylene chloride	1200	2.7 J	5 U	5 U	5 U	5 U	5 U	5 U	15000	5 U
Styrene	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
Tetrachloroethene	1400	8.6	3.9 J	1.2 J	5 U	5 U	5 U	5 U	2200 J	5 U
Toluene	160 J	54	15	5 U	5 U	2 J	5 U	0.59 J	4300 J	5.2
trans-1,3-Dichloropropene	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5000 U	5 U
Trichloroethene	80 J	5 U	5 U	0.7 J	5 U	5 U	5 U	0.98 J	5000 U	2.9 J
Vinyl acetate	2500 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25000 U	25 U
Vinyl chloride	500 U	0.73 J	15	20	2.3 J	5 U	5 U	4.1 J	5000 U	2.7 J
Xylenes, Total	1500 U	14 J	4.2 J	15 U	15 U	15 U	15 U	15 U	15000 U	1.6 J

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value.

TABLE 3
SPRING 2007 GROUNDWATER MONITORING RESULTS
VOLATILE ORGANIC COMPOUNDS

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	BR-6A		BR-7A		BR-8		BR-9		E-1		E-3		MW-103		MW-106		MW-114		MW-127	
SAMPLE DATE:	06/06/07		06/08/07		06/06/07		06/08/07		06/06/07		06/07/07		06/11/07		06/13/07		06/14/07		06/07/07	
QC TYPE:	Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample	
VOLATILE ORGANIC COMPOUNDS																				
BY SW-846 Method 8260/5ML (µg/L)																				
1,1,1-Trichloroethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
1,1,2,2-Tetrachloroethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
1,1,2-Trichloroethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
1,1-Dichloroethane	10	U	1.9	J	5	U	6.3	J	50	U	5	U	5	U	25	U	5	U	5	U
1,1-Dichloroethene	10	U	10	U	5	U	3.3	J	50	U	5	U	5	U	25	U	5	U	5	U
1,2,4-Trimethylbenzene	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
1,2-Dichloroethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
1,2-Dichloroethene (total)	68		3.4	J	0.81	J	370		10	J	10	U	10	U	50	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
1,3,5-Trimethylbenzene	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
2-Butanone	50	U	50	U	25	U	120	U	250	U	25	U	25	U	120	U	25	U	25	U
2-Hexanone	50	U	50	U	25	U	120	U	250	U	25	U	25	U	120	U	25	U	25	U
4-Methyl-2-pentanone	50	U	50	U	25	U	120	U	250	U	25	U	25	U	120	U	25	U	25	U
Acetone	50	U	50	U	25	U	120	U	250	U	25	U	25	U	120	U	25	U	1.5	J
Benzene	0.97	J	17		3.2	J	64		50	U	5	U	5	U	25		5	U	0.68	J
Bromodichloromethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
Bromoform	10	U	10	U	5	U	25	U	50	U	5	U	1.4	J	25	U	5	U	5	U
Bromomethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
Carbon disulfide	10	U	6.3	J	5	U	25	U	16	J	5	U	7.8		25	U	5	U	5	U
Carbon tetrachloride	10	U	7.2	J	5	U	25	U	50	U	5	U	21		25	U	0.5	J	5	U
Chlorobenzene	13		170		62		17	J	19	J	5	U	16		250		5	U	0.88	J
Chlorodibromomethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
Chloroethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
Chloroform	11		50		5	U	15	J	50	U	5	U	59		25	U	12		5	U
Chloromethane	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
cis-1,3-Dichloropropene	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
Ethyl benzene	10	U	10	U	5	U	10	J	5.7	J	5	U	1.4	J	25	U	5	U	5	U
Methylene chloride	10	U	28		5	U	25	U	50	U	5	U	0.86	J	25	U	5	U	5	U
Styrene	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
Tetrachloroethene	5.4	J	2.2	J	5	U	25	U	50	U	5	U	6.4		25	U	3.8	J	5	U
Toluene	10	U	6.6	J	0.54	J	4.5	J	50	U	5	U	30		25	U	5	U	5	U
trans-1,3-Dichloropropene	10	U	10	U	5	U	25	U	50	U	5	U	5	U	25	U	5	U	5	U
Trichloroethene	2.9	J	1.8	J	5	U	3.6	J	50	U	5	U	5	U	25	U	7.5		5	U
Vinyl acetate	50	U	50	U	25	U	120	U	250	U	25	U	25	U	120	U	25	U	25	U
Vinyl chloride	1.2	J	2.2	J	5	U	140		5.8	J	5	U	5	U	25	U	5	U	5	U
Xylenes, Total	30	U	2.8	J	15	U	75	U	150	U	15	U	8	J	75	U	15	U	15	U

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value.

TABLE 3
SPRING 2007 GROUNDWATER MONITORING RESULTS
VOLATILE ORGANIC COMPOUNDS

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	PW10		PW11		PW12		PW13		PW14		PZ-101		PZ-102		PZ-103		PZ-104		PZ-105	
SAMPLE DATE:	06/08/07		06/06/07		06/11/07		06/08/07		06/08/07		06/13/07		06/13/07		06/13/07		06/13/07		06/07/07	
QC TYPE:	Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample		Sample	
VOLATILE ORGANIC COMPOUNDS BY SW-846 Method 8260/5ML (µg/L)																				
1,1,1-Trichloroethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,1,2,2-Tetrachloroethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,1,2-Trichloroethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,1-Dichloroethane	50	U	12	J	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,1-Dichloroethene	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,2,4-Trimethylbenzene	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,2-Dichloroethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,2-Dichloroethene (total)	100	U	63	J	2000	U	20	U	500	U	10	U	1	J	100	U	1.2	J	40	U
1,2-Dichloropropane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
1,3,5-Trimethylbenzene	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
2-Butanone	250	U	250	U	5000	U	50	U	1200	U	25	U	25	U	250	U	25	U	100	U
2-Hexanone	250	U	250	U	5000	U	50	U	1200	U	25	U	25	U	250	U	25	U	100	U
4-Methyl-2-pentanone	250	U	250	U	5000	U	50	U	1200	U	25	U	25	U	250	U	25	U	100	U
Acetone	42	J	250	U	5000	U	50	U	1200	U	2.2	J	2.1	J	250	U	2.1	J	7.4	J
Benzene	5.8	J	27	J	1000	U	11		250	U	0.66	J	20		29	J	1.9	J	10	J
Bromodichloromethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Bromoform	5.3	J	50	U	330	J	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Bromomethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Carbon disulfide	50	U	50	U	1000	U	10	U	96	J	5	U	0.42	J	50	U	5	U	20	U
Carbon tetrachloride	140		50	U	1000	U	10	U	390		5	U	5	U	50	U	5	U	20	U
Chlorobenzene	19	J	140		7500		100		250	U	2.9	J	310		510		4.1	J	140	
Chlorodibromomethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Chloroethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Chloroform	630		9.9	J	350	J	10	U	3400		5	U	0.61	J	50	U	5	U	20	U
Chloromethane	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
cis-1,3-Dichloropropene	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Ethyl benzene	26	J	5.1	J	850	J	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Methylene chloride	50	U	50	U	510	J	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Styrene	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Tetrachloroethene	260		50	U	99	J	10	U	260		5	U	5	U	50	U	5	U	20	U
Toluene	35	J	50	U	12000		1.2	J	92	J	5	U	4.6	J	9.6	J	5	U	2.4	J
trans-1,3-Dichloropropene	50	U	50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Trichloroethene	210		50	U	1000	U	10	U	250	U	5	U	5	U	50	U	5	U	20	U
Vinyl acetate	250	U	250	U	5000	U	50	U	1200	U	25	U	25	U	250	U	25	U	100	U
Vinyl chloride	9.8	J	47	J	1000	U	1.3	J	250	U	5	U	0.48	J	50	U	5	U	20	U
Xylenes, Total	180		150	U	4600		30	U	750	U	15	U	15	U	150	U	15	U	60	U

Notes:

U = Compound not detected; value represents sample quantitation limit.

J = Estimated value.

TABLE 3
SPRING 2007 GROUNDWATER MONITORING RESULTS
VOLATILE ORGANIC COMPOUNDS

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION:	PZ-106		PZ-107		S-3		S-4	
SAMPLE DATE:	06/07/07		06/07/07		06/06/07		06/06/07	
QC TYPE:	Sample		Sample		Sample		Duplicate	
VOLATILE ORGANIC COMPOUNDS								
BY SW-846 Method 8260/5ML (µg/L)								
1,1,1-Trichloroethane	12000	U	20	U	1.2	J	5	U
1,1,2,2-Tetrachloroethane	12000	U	20	U	5	U	5	U
1,1,2-Trichloroethane	12000	U	20	U	5	U	5	U
1,1-Dichloroethane	12000	U	20	U	7.1		5	U
1,1-Dichloroethene	12000	U	20	U	1.1	J	5	U
1,2,4-Trimethylbenzene	12000	U	20	U	0.61	J	5	U
1,2-Dichloroethane	12000	U	20	U	5	U	5	U
1,2-Dichloroethene (total)	25000	U	28	J	120		10	U
1,2-Dichloropropane	12000	U	20	U	5	U	5	U
1,3,5-Trimethylbenzene	12000	U	20	U	5	U	5	U
2-Butanone	62000	U	100	U	25	U	25	U
2-Hexanone	62000	U	100	U	25	U	25	U
4-Methyl-2-pentanone	62000	U	100	U	25	U	25	U
Acetone	62000	U	22	J	25	U	25	U
Benzene	12000	U	3.9	J	35		5	U
Bromodichloromethane	12000	U	20	U	5	U	5	U
Bromoform	5000	J	20	U	5	U	5	U
Bromomethane	12000	U	20	U	5	U	5	U
Carbon disulfide	46000		12	J	2	J	5	U
Carbon tetrachloride	55000		20	U	5	U	5	U
Chlorobenzene	12000	U	5.9	J	110		0.93	J
Chlorodibromomethane	12000	U	20	U	5	U	5	U
Chloroethane	12000	U	20	U	5	U	5	U
Chloroform	200000		6.4	J	8.1		5	U
Chloromethane	12000	U	20	U	5	U	5	U
cis-1,3-Dichloropropene	12000	U	20	U	5	U	5	U
Ethyl benzene	12000	U	20	U	4.6	J	5	U
Methylene chloride	12000	U	20	U	5	U	5	U
Styrene	12000	U	20	U	5	U	5	U
Tetrachloroethene	1400	J	20	U	1.2	J	5	U
Toluene	12000	U	9.1	J	4.5	J	5	U
trans-1,3-Dichloropropene	12000	U	20	U	5	U	5	U
Trichloroethene	12000	U	13	J	2	J	5	U
Vinyl acetate	62000	U	100	U	25	U	25	U
Vinyl chloride	12000	U	8.3	J	70		5	U
Xylenes, Total	38000	U	60	U	3.1	J	15	U

Notes:
U = Compound not detected; value represents sample quantitation limit.
J = Estimated value.

TABLE 4
COMPARISON OF FALL 2006
CHLOROPYRIDINES AND VOLATILE ORGANICS CONCENTRATIONS
IN GROUNDWATER TO PREVIOUS RESULTS (ug/L)

ARCH ROCHESTER
SEMI-ANNUAL GROUNDWATER MONITORING REPORT - FEBRUARY 2007

WELL	SELECTED CHLOROPYRIDINES				SELECTED VOCs			
	# EVENTS IN PRIOR 5 YRS	HISTORIC MAXIMUM	5-YEAR MEAN	NOV-2006 RESULT	# EVENTS IN PRIOR 5 YRS	HISTORIC MAXIMUM	5-YEAR MEAN	NOV-2006 RESULT
ON-SITE WELLS/LOCATIONS								
B-17	5	28,000,000	150,000		5	345,000	25,000	
B-7	5	9,100	2,700		5	256	51	
BR-127	4	4,700	3,100	1,478	4	3	2	ND
BR-3	5	6,500,000	75,000		5	920,000	520,000	
BR-5A	10	1,700	580	227	10	9,400	91	5.31
BR-6A	10	144,500	30,000	450	10	26,000	5,600	55
BR-7A	10	510,000	15,000	**35,052**	10	3,000	290	73.7
BR-8	5	57,000	900		5	6,900	5.2	
BR-9	10	720	210	119	10	160	19	**27.8**
E-1	9	171,680	50,000	16,500	9	5,300	66	28
E-3	5	600	100		5	12,000	100	
MW-127	4	15,000	4,700	**10,210**	4	180	45	ND
PW10	10	244,000	90,000	**323,900**	10	120,000	22,000	4139
PW11	10	27,000	1,800	**2,741**	11	30,000	6,500	735.4
PW12	10	15,000	3,600	2,938	10	120,000	2,700	1580
PW13	4	7,500	2,500	786	4	920	270	**295.8**
PW14	3	29,000	19,000	**26,500**	3	160,000	71000	10500
PZ-105	6	190,000	7,900	3,570	6	9,700	1,000	3.5
PZ-106	6	124,000	51,000	11,080	6	1,359,000	850,000	383500
PZ-107	10	11,000	2,900	**4,250**	10	12,000	270	1.2
S-3	9	21,000	8,000	6,246	9	2,500	370	37.44
S-4	9	3,200	210	21	9	870	99	ND
OFF-SITE WELLS/LOCATIONS								
BR-103	5	400	0.6		5	3	0.54	
BR-104	5	3,100	1.2		0	9	NA	
BR-105	10	24,000	1,300	731	10	310	3.8	1.21
BR-105D	10	10,000	1,900	414	10	230	5.4	**5.7**
BR-106	10	24,600	6,900	5,544	11	6,300	330	0.62
BR-108	5	1,700	26		0	ND	NA	
BR-112D	5	310	26		0	4.3	NA	
BR-113D	5	490	40			2.8		
BR-114	5	521	330		5	12	0.73	
BR-116	5	12	0.0			84		
BR-116D	5	710	13			120		
BR-117D	5	80	17			1.9		
BR-118D	5	330	100			6.6		
BR-122D	5	650	140			ND		
BR-123D	5	860	130			4		
BR-126	2	NA	5700	3,390	3	NA	110	**225.2**
MW-103	5	82	5.2		5	ND	150	
MW-104	5	180	1.6		0	1	NA	

TABLE 4
COMPARISON OF FALL 2006
CHLOROPYRIDINES AND VOLATILE ORGANICS CONCENTRATIONS
IN GROUNDWATER TO PREVIOUS RESULTS (ug/L)

ARCH ROCHESTER
SEMI-ANNUAL GROUNDWATER MONITORING REPORT - FEBRUARY 2007

WELL	SELECTED CHLOROPYRIDINES				SELECTED VOCs			
	# EVENTS IN PRIOR 5 YRS	HISTORIC MAXIMUM	5-YEAR MEAN	NOV-2006 RESULT	# EVENTS IN PRIOR 5 YRS	HISTORIC MAXIMUM	5-YEAR MEAN	NOV-2006 RESULT
MW-106	10	130,000	9,500	8,240	10	453	46	ND
MW-114	5	18	0.4		5	19	16	
MW-126	1	NA	63		1	NA	ND	
MW-16	5	360	180	3	1	NA	8.0	
NESS-E	5	5,000	310		0	700	NA	
NESS-W	5	2,100	130		0	89	NA	
PZ-101	10	27,000	1,100	361	10	6.1	0.77	**2.47**
PZ-102	10	58,000	3,800	1,116	10	10,000	2.2	**4.9**
PZ-103	10	73,000	12,000	5,950	11	44,300	7,200	13
PZ-104	10	9,100	4,000	2,280	10	40	1.1	1.4
QD-1	5	ND	2		2	ND	ND	
QO-2	11	380	2.2	**4**	7	ND	ND	
QO-2S1	11	27	0.05	0	7	ND	ND	
QS-4	14	3,400	250	240	9	ND	ND	

Note:

1) Number of samples and mean reflect 5-year sampling period from November 2001 through June 2006. Historic maximum based on all available results from March 1990 through May 2006.
2) Chloropyridines represented by: 2-Chloropyridine, 2,6-Dichloropyridine, and 3-Chloropyridine, 4-Chloropyridine, p-Fluoroaniline, and Pyridine.
3) Selected VOCs represented by Carbon Tetrachloride, Chloroform, Methylene Chloride, Tetrachloroethene, and Trichloroethene.
4) **Bold and shade** - November 2006 exceeds 5-year mean.
5) NA = Not analyzed or not applicable
   ND = Not detected
   BLANK = Not sampled

TABLE 5
SPRING 2007 QUARRY SEEP AND OUTFALL WATER SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

LOCATION	QS-4		QO-2		QO-2S1	
DATE	6/12/2007		6/12/2007		6/12/2007	
SAMPLE ID	Sample		Sample		Sample	
SELECTED CHLOROPYRIDINES BY SW-846 Method 8270C (µg/L)						
2,6-Dichloropyridine	41	J	4	J	9	U
2-Chloropyridine	200		2	J	9	U
3-Chloropyridine	48	U	10	U	9	U
4-Chloropyridine	48	U	10	U	9	U
p-Fluoroaniline	48	U	10	U	9	U
Pyridine	120	U	24	U	24	U

Notes:
U = Compound not detected; value represents sample quantitation limit.
J = Estimated value.

TABLE 6
EXTRACTION WELL WEEKLY FLOW MEASUREMENTS - DECEMBER 2006 THROUGH MAY 2007

ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

Week Ending	BR-5A [Gal./Wk.]	BR-7A [Gal./Wk.]	BR-9 [Gal./Wk.]	PW-11 [Gal./Wk.]	PW-13 [Gal./Wk.]	PW-14 [Gal./Wk.]	Total [Gal.]
Dec '06							
12/06/06	39,690	49,973	0 **	25,138	0 **	1,706	116,507
12/13/06	30,595	27,972	11,273 **	32,492	39,508	3,326	145,166
12/20/06	42,642	24,412	42,845	22,663	32,679	2,106 *	167,347
12/27/06	33,888	21,183	46,847	21,802	36,187	1,798	161,705
						Total [Gal.]	590,725
Jan '07							
01/03/07	41,165	23,057	59,565	22,363	50,111	3,347	199,608
01/10/07	35,189	47,562	60,703	13,452	44,871	1,563	203,340
01/17/07	56,136	71,289	81,097	17,009	38,902 *	1,615	266,048
01/24/07	58,462	60,736	86,303	15,446	55,964	1,599	278,510
01/31/07	50,400 *	39,642	76,906	9,682	53,430	888	230,948
						Total [Gal.]	1,178,454
Feb '07							
02/07/07	50,400 *	34,047	67,467	8,330	51,853	642	212,739
02/14/07	50,400 *	48,430	60,016 *	11,470	45,394	562	216,272
02/21/07	50,400 *	52,459	60,480 *	6,553 *	33,303	1,246	204,441
02/28/07	57,748	50,422	64,269	4,566 *	40,234 *	934	218,173
						Total [Gal.]	851,625
Mar '07							
03/07/07	39,869	28,917	68,868	11,379 *	40,320 *	786	190,139
03/14/07	45,436	31,698	74,148	14,253 *	40,320 *	1,124	206,979
03/21/07	28,237	44,792	88,840	15,120 *	40,320 *	570	217,879
03/28/07	51,445	42,679 *	81,176	24,065	40,320 *	411	240,096
						Total [Gal.]	855,093
Apr '07							
04/04/07	27,407	39,618 *	82,214	22,037	40,320 *	1,473	213,069
04/11/07	12,684 **	42,906 *	74,647	19,511	40,320 *	861	190,929
04/18/07	7,495 **	53,844	77,915	20,160 *	40,320 *	1,151	200,885
04/25/07	6,871 **	50,592	94,242	20,160 *	40,320 *	2,424	214,609
						Total [Gal.]	1,068,162
May '07							
05/02/07	4,226 **	58,839 *	93,267	20,160 *	40,320 *	374	217,186
05/09/07	4,537 **	42,611	90,242	20,160 *	40,320 *	2,327	200,197
05/16/07	32,429	86,079	91,105	20,160 *	40,320 *	34	270,127
05/23/07	55,224	66,547	138,576	28,344 *	40,320 *	44	329,055
05/30/07	28,706	65,551	146,500	37,188	40,320 *	52	318,317
						Total [Gal.]	1,117,697
Total 6 Mo. Removal (Gal.)	941,681	1,205,857	1,919,511	483,663	1,046,596	32,964	5,630,272

Notes:
1) * - Flow rate is estimated due to a meter failure
2) ** - Not operating (or operating at reduced rate) due to pump failure or clogged line

TABLE 8
2007 SAMPLING SCHEDULE
ARCH CHEMICALS, INC.
ROCHESTER, NEW YORK

ARCH ROCHESTER						2007					
MONITORING PROGRAM						SPRING		FALL		TOTAL	
	Well	*zone*	*area*	*Frequency/Parameters*	*Purpose*	*Pyridines*	*VOCs*	*Pyridines*	*VOCs*	*Pyridines*	*VOCs*
OFF-SITE	MW-103	OB	KODAK EAST	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
MONITORING	BR-103	BR	KODAK EAST	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	MW-104	OB	BUFFALO RD	annual monitoring, PYR	trend monitoring	1				1	0
	BR-104	BR	BUFFALO RD	annual monitoring, PYR	trend monitoring	1				1	0
	BR-105	BR	AID-HOSP	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	BR-105D	BR deep	AID-HOSP	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	MW-106	OB	AID-HOSP	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	BR-106	BR	AID-HOSP	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	BR-108	BR	AID-HOSP	annual monitoring, PYR	trend monitoring	1				1	0
	BR-112D	BR deep	NYSDOT	annual monitoring, PYR	trend monitoring	1				1	0
	BR-113D	BR deep	NYSDOT	annual monitoring, PYR	trend monitoring	1				1	0
	MW-114	OB	JACKSON	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	BR-114	BR	JACKSON	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	BR-116	BR	PFAUDLER	annual monitoring, PYR	trend monitoring	1				1	0
	BR-116D	BR deep	PFAUDLER	annual monitoring, PYR	trend monitoring	1				1	0
	BR-117D	BR deep	QUARRY	annual monitoring, PYR	trend monitoring	1				1	0
	BR-118D	BR deep	QUARRY	annual monitoring, PYR	trend monitoring	1				1	0
	BR-122D	BR deep	QUARRY	annual monitoring, PYR	trend monitoring	1				1	0
	BR-123D	BR deep	QUARRY	annual monitoring, PYR	trend monitoring	1				1	0
	NESS-E	BR deep	NESS	annual monitoring, PYR	trend monitoring	1				1	0
	NESS-W	BR deep	NESS	annual monitoring, PYR	trend monitoring	1				1	0
	PZ-101	BR	McKee Rd	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	PZ-102	BR	McKee Rd	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	PZ-103	BR	McKee Rd	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	PZ-104	BR	ARM	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	MW-16	BR	Gen'l Circuits	annual monitoring, PYR	trend monitoring			1		1	0
ON-SITE	PZ-107	BR	ON-SITE	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
MONITORING	PZ-106	BR	ON-SITE	semi-annual monitoring, VOCs & PYR	trend monitoring	1	1	1	1	2	2
	PZ-105	BR	ON-SITE	semi-annual monitoring, VOCs & PYR	trend monitoring	1	1	1	1	2	2
	BR-127	BR	ON-SITE	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	BR-3	BR	ON-SITE	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	BR-8	BR	ON-SITE	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	BR-9	pumping well	ON-SITE	semi-annual monitoring, VOCs & PYR	mass removal/trend monitoring	1	1	1	1	2	2
	BR-5A	pumping well	ON-SITE	semi-annual monitoring, VOCs & PYR	mass removal/trend monitoring	1	1	1	1	2	2
	BR-6A	BR	ON-SITE	semi-annual monitoring, VOCs & PYR	trend monitoring	1	1	1	1	2	2
	BR-7A	pumping well	ON-SITE	semi-annual monitoring, VOCs & PYR	mass removal/trend monitoring	1	1	1	1	2	2
	B-17	OB	ON-SITE	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	B-7	OB	ON-SITE	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	S-3	OB	ON-SITE	semi-annual monitoring, VOCs & PYR	continue until replaced by trench	1	1	1	1	2	2
	S-4	OB	ON-SITE	semi-annual monitoring, VOCs & PYR	continue until replaced by trench	1	1	1	1	2	2
	E-1	OB	ON-SITE	semi-annual monitoring, VOCs & PYR	continue until replaced by trench	1	1	1	1	2	2
	E-3	OB	ON-SITE	annual monitoring, VOCs & PYR	trend monitoring	1	1			1	1
	MW-127	OB	ON-SITE	semi-annual monitoring, VOCs & PYR	perimeter sentinel/trend monitoring	1	1	1	1	2	2
	PW10	pumping well	ON-SITE	semi-annual monitoring, VOCs & PYR	mass removal/trend monitoring	1	1	1	1	2	2
	PW11	pumping well	ON-SITE	semi-annual monitoring, VOCs & PYR	mass removal/trend monitoring	1	1	1	1	2	2
	PW12	BR	ON-SITE	semi-annual monitoring, VOCs & PYR	trend monitoring	1	1	1	1	2	2
	PW13	pumping well	ON-SITE	semi-annual monitoring, VOCs & PYR	mass removal/trend monitoring	1	1	1	1	2	2
	PW14	pumping well	ON-SITE	semi-annual monitoring, VOCs & PYR	mass removal/trend monitoring	1	1	1	1	2	2
QUARRY/CANAL	QS-4	quarry seep	QUARRY	semi-annual monitoring, VOCs & PYR	trend monitoring	1		1		2	0
MONITORING	QO-2	quarry outfall	DITCH	semi-annual monitoring, VOCs & PYR	trend monitoring	1		1		2	0
	QO-2S1	canal at outfall	CANAL	semi-annual monitoring, VOCs & PYR	surface water monitoring	1		1		2	0
TOTAL SAMPLES						50	34	29	25	79	59

Revised: 08/22/2007

Prepared by: NMB Checked by: JEB

Appendix A

Groundwater Field Sampling Data Sheets

STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

FIELD REPORT

REMEDIAL INVESTIGATION SAMPLING
ARCH CHEMICAL
ROCHESTER, NEW YORK

SPRING 2007 Event

Prepared For:

MacTec, Inc.
511 Congress Street
Portland, Maine 04101

Attention: Mr. Nelson Breton

Prepared By:

SEVERN TRENT LABORATORIES, INC.
Audubon Business Center
10 Hazelwood Drive
Amherst, New York 14228-2298

NY5A5762

Written By: Roger Senf

Reviewed By:

Date: 8-21-07

1.0 INTRODUCTION

This report describes the sampling of the following points:

- Fourty-eight (48) groundwater samples (BR-126 & MW-126 not located)
- One (1) barge canal sample
- One (1) quarry outfall samples
- One (1) quarry seep/pond sample

These activities were in support of the Phase II Remediation Investigation being conducted at the Arch Chemical facility in Rochester, New York. The samples were collected from June 6- July 6, 2007 by Severn Trent Laboratories, Inc. (STL) personnel.

2.0 METHODOLOGIES

2.1 Water Level Measurements

Static water levels in all groundwater wells were measured from the top of the well casing/riser with an electronic water level indicator. All well bottoms were sounded with the weighted steel measuring tape. All measurements were recorded to the nearest hundredth of a foot (0.01 feet). The length of the measuring device which contacted the water was cleaned between wells with a deionized water rinse and paper towel wipe. These data are presented on Sampling Summary Table and Field Observation forms.

2.2 Well Purging

Monitoring wells were evacuated prior to sampling employing one of the following methods:

1) Purging three (3) times the standing water volume using precleaned or dedicated 1.25" X 5' stainless steel bailers, 2" X 5' polyvinyl chloride bailers, peristaltic pump or QED Low-Flow Bladder pumps.
2) Evacuated with the low flow/low stress puring technique using either QED Low-Flow Bladder pumps or a variable rate peristaltic pump.

Wells that were purged of three (3) standing volumes were mainly wells located on or very near the Eric Canal and historically purged with this method prior to sampling. The remaining wells were evacuated with a low flow/low stress purging technique. This technique involves the use of a variable flow rate bladder or peristaltic pump. The pumps were employed to purge the monitoring wells at a flow rate such that drawdown of the water column from static conditions is minimal. Field measurements of pH, specific

conductance, temperature, ORP, dissolved oxygen and turbidity are monitored every 3-5 minutes until stabilization of parameters is realized. Once stabilization has occurred, sampling can be conducted. All purged water was collected into 55-gallon drums for disposal at the on-site wastewater treatment facility. Data pertaining to each evacuation are presented on the Sampling Summary Table and field Observation Forms.

2.3 Surface Water Samples

Surface water samples were collected from one (1) location on the Erie Barge Canal, one (1) outfall sample and one (1) seep location. Sample locations were noted on the Field Forms.

3.0 SAMPLING

3.1 Monitoring Wells

All groundwater wells were sampled using precleaned or dedicated 1.25" X 1.25" X 5' stainless steel bailers, perisaltic pumps or bladder (SamplePro) pumps when low flow purging techniques were used. Each bailer was constructed with teflon, bottom-filling check valve and was assembled without glues or welds. New ¼" poly rope was attached to each bailer. The bailer was slowly lowered into the water column, minimizing agitation and devolatilization. Low density polyethylene (LDPE) tubing was used with both the bladder (QED) and the peristaltic pumps. The bladder pumps were decontaminated between sample locations in accordance with the work plan. Personnel exercised care in all aspects of the sampling to ensure the collection of a representative sample An additional sample container was collected from each well in order to facilitate the measurement of field analytical parameters. Data pertaining to sampling are presented on the Sampling Summary Table and the Field Observation Forms.

3.2 Canal Sampling

When possible, samples were collected directly from the canal into appropriate sample containers. Otherwise, samples were collected with the use of a unique, laboratory-cleaned stainless steel bailer. The bailers were immersed just below the surface and removed. Sample was poured directly into the appropriate container. An additional container was collected to facilitate the measurement of field parameters. Additional data pertaining to these samples is presented in the Sampling Summary Table and Field Observation Forms.

3.3 Seep Sampling

Groundwater samples were collected from seeps at the quarry (QS4) located on Buffalo Road. The samples were collected with the use of a laboratory cleaned stainless steel bucket

and was then poured directly into the appropriate containers. An additional container was collected to facilitate the measurement of field parameters. Data pertaining to this sampling is presented in the Sampling Summary Table and Field Observation Forms.

4.0 SAMPLE CONTAINERS

Monitoring wells and surface water samples requiring analysis for volatile organics were collected into 40 ml glass vials with teflon septa. Samples for semi-volatile and Pyridine analysis were collected into one (1) liter amber glass bottles with teflon-lined caps. All bottles were purchased new and cleaned (Protocol A, 300 series) from Environmental Supply Services. Each container was labeled with the following information:

- Sample Identification (Well/Point I.D.)
- Date
- Project Number
- Sampler's Initials

5.0 FIELD MEASUREMENTS

On-site field measurements were made of each sample's pH, specific conductance and temperature. All measurements were made in accordance with protocols outlined in Methods for Chemical Analysis of Water and Wastes (EPA – 600/4-79-9020). These data were presented on the Sampling Summary Table and Field Observation Forms.

6.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

6.1 Trip Blanks

Trip blanks were collected with each sample shipment requiring volatile organic analysis. Each trip blank consisted of two 40 ml glass vials with teflon septa which were filled with deionized water at the STL laboratory. These blanks were transported to the site, stored with field collected samples and submitted to the STL facility for analysis.

6.2 Equipment Rinse Blank

Equipment rinse blanks were collected as required by the work plan.

7.0 CHAIN OF CUSTODY

Chain of custody was initiated at the time of sample collection and maintained through delivery to the STL facility in Amherst, New York. Copies of these documents are included in the analytical report package.

Sampling Sum Table
ARCH CHEMICAL
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RI SAMPLING/ROCHESTER NY FACILITY

Sample Point	Water Level Date	Water Level Time	Water Level (ft)*	Water Elevation (ft)**	Bottom Of Well (ft)*	Field Measurements Date	Field Measurements Time	pH (STD) (Units)	Spec. Cond. (umhos)	Temp (°C)	Turb. (NTU)	Other Field Measurements	
B-17	06/11/2007	1102	5.72	N/A	N/A	06/11/2007	1130	8.22	13200	15.6	31.60	EH(mv)= -151	DO(ppm)= 0.90
	Comments: SL.TURBID AMBER												
B-7	06/11/2007	1211	12.77	N/A	N/A	06/11/2007	1240	7.25	1686	17.5	19.70	EH(mv)= -84	DO(ppm)= 0.92
	Comments: CLEAR												
BR-103	06/11/2007	1310	5.27	N/A	N/A	06/11/2007	1345	7.00	783	18.7	1.47	EH(mv)= -11	DO(ppm)= 0.70
	Comments: CLEAR												
BR-104	06/12/2007	1143	9.14	N/A	N/A	06/12/2007	1220	7.28	766	15.7	30.20	EH(mv)= -4	DO(ppm)= 0.63
	Comments: CLEAR												
BR-105	06/13/2007	1324	23.14	N/A	N/A	06/13/2007	1403	7.31	1774	13.1	3.23	EH(mv)= -183	DO(ppm)= 0.46
	Comments: CLEAR												
BR-105D	06/13/2007	1322	25.10	N/A	N/A	06/13/2007	1350	7.47	11760	15.7	0.84	EH(mv)= -293	DO(ppm)= 0.33
	Comments: CLEAR												
BR-106	06/13/2007	1200	23.37	N/A	N/A	06/13/2007	1232	7.00	2887	12.2	45.60	EH(mv)= -96	DO(ppm)= 1.04
	Comments: SL.TURBID												
BR-108	06/12/2007	1037	28.40	N/A	29.75	06/12/2007	1305	7.10	1075	17.1	217.00	EH(mv)= 16	
	Comments: TURBID ORANGE												
BR-112D	06/14/2007	1035	36.46	N/A	72.26	06/14/2007	1203	7.32	2054	13.4	26.90	EH(mv)= -77	
	Comments: SL.TURBID												
BR-113D	06/14/2007	1113	31.47	N/A	79.25	06/14/2007	1227	7.10	3065	13.1	40.50	EH(mv)= -185	
	Comments: SL.TURBID GREY												
BR-114	06/14/2007	950	13.72	N/A	N/A	06/14/2007	1030	7.24	1778	14.8	0.19	EH(mv)= -155	DO(ppm)= 0.23
	Comments: CLEAR												
BR-116	06/12/2007	1422	27.85	N/A	N/A	06/12/2007	1455	7.14	2559	18.5	7.66	EH(mv)= -143	DO(ppm)= 0.56
	Comments: CLEAR												
BR-116D	06/12/2007	1404	35.89	N/A	N/A	06/12/2007	1430	9.60	1963	18.4	20.40	EH(mv)= -282	DO(ppm)= 0.33
	Comments: CLEAR												
BR-117D	06/12/2007	1128	50.44	N/A	N/A	06/12/2007	1157	7.82	511	11.3	49.60	EH(mv)= -39	DO(ppm)= 0.34
	Comments: SL.TURBID												
BR-118D	06/12/2007	1017	49.30	N/A	N/A	06/12/2007	1053	7.31	1307	12.4	38.20	EH(mv)= -266	DO(ppm)= 0.16
	Comments: SL.TURBID												
BR-122D	06/12/2007	1229	45.18	N/A	N/A	06/12/2007	1255	7.07	2213	13.4	N/A	EH(mv)= -291	DO(ppm)= 0.33
	Comments: CLEAR												

SG - Specific Gravity
EH - Redox
DO - Dissolved Oxygen

* From Top of Riser
** Elevation Above Sea Level

Sampling Summary Table
ARCH CHEMICAL
JUNE 2007
RI SAMPLING/ROCHESTER NY FACILITY

Sample Point	—Water Level— Date	Time	Water Level (ft)*	Water Elevation (ft)**	Bottom Of Well (ft)*	Field Measurements Date	Time	pH (STD) (Units)	Spec. Cond. (umhos)	Temp (°C)	Turb. (NTU)	Other Field Measurements	
BR-123D	06/12/2007	1317	45.58	N/A	N/A	06/12/2007	1347	7.96	2023	12.5	19.16	EH(mv)= -276	DO(ppm)= 0.17
	Comments: BLACK TINT												
BR-127	06/07/2007	1202	2.97	N/A	N/A	06/07/2007	1225	7.46	1634	17.3	5.99	EH(mv)= -237	DO(ppm)= 1.00
	Comments: CLEAR BLACK SPECKS												
BR-3	06/11/2007	1017	6.75	N/A	N/A	06/11/2007	1045	7.55	13590	14.5	10.61	EH(mv)= -207	DO(ppm)= 0.90
	Comments: CLEAR YELLOW TINT												
BR-5A	06/08/2007	1050	10.17	N/A	N/A	06/08/2007	1053	7.58	1684	14.7	14.60	EH(mv)= -105	
	Comments: CLEAR YELLOW TINT												
BR-6A	06/06/2007	1136	8.81	N/A	N/A	06/06/2007	1200	7.74	1063	14.7	4.48	EH(mv)= 7	DO(ppm)= 1.22
	Comments: CLEAR												
BR-7A	06/08/2007	1110	24.69	N/A	N/A	06/08/2007	1113	7.61	2581	14.2	14.80	EH(mv)= -167	
	Comments: CLEAR 8.68 G.P.M.												
BR-8	06/06/2007	1002	8.30	N/A	N/A	06/06/2007	1025	7.23	4259	13.6	70.10	EH(mv)= -97	DO(ppm)= 0.99
	Comments: YELLOW BLACK SPECKS												
BR-9	06/08/2007	1100	24.88	N/A	N/A	06/08/2007	1103	7.99	2179	15.6	1.87	EH(mv)= -111	
	Comments: CLEAR 13.24 G.P.M												
E-1	06/06/2007	1330	0.66	N/A	N/A	06/06/2007	1415	9.91	15640	16.4	54.00	EH(mv)= -280	DO(ppm)= 0.88
	Comments: SL.TURBID												
E-3	06/06/2007	1117	5.53	N/A	N/A	06/07/2007	1015	7.23	1474	13.6	21.20	EH(mv)= 18	DO(ppm)= 1.36
	Comments: CLEAR												
MW-103	06/11/2007	1247	1.38	N/A	N/A	06/11/2007	1315	7.15	680	21.4	0.90	EH(mv)= -99	DO(ppm)= 0.93
	Comments: CLEAR												
MW-104	06/12/2007	1100	7.43	N/A	N/A	06/12/2007	1135	7.33	875	16.4	283.00	EH(mv)= -85	DO(ppm)= 0.87
	Comments: TURBID												
MW-106	06/13/2007	1158	10.06	N/A	N/A	06/13/2007	1230	7.11	2503	13.1	18.35	EH(mv)= -108	DO(ppm)= 0.57
	Comments: CLEAR												
MW-114	06/14/2007	928	10.72	N/A	N/A	06/14/2007	953	7.04	2058	15.3	5.94	EH(mv)= 20	DO(ppm)= 1.00
	Comments: CLEAR												
MW-127	06/07/2007	1228	3.71	N/A	N/A	06/07/2007	1258	7.39	4365	17.6	3.17	EH(mv)= -190	DO(ppm)= 1.02
	Comments: CLEAR												
NESS-E	06/13/2007	1104	9.18	N/A	N/A	06/13/2007	1130	6.53	3119	17.2	22.70	EH(mv)= -2	DO(ppm)= 0.34
	Comments: CLEAR												

SG - Specific Gravity
EH - Redox
DO - Dissolved Oxygen

* From Top of Riser
** Elevation Above Sea Level

Sampling Su Table
ARCH CHEMICAL
JUNE 2007
RI SAMPLING/ROCHESTER NY FACILITY

Sample Point	Water Level Date	Water Level Time	Water Level (ft)*	Water Elevation (ft)**	Bottom Of Well (ft)*	Field Measurements Date	Field Measurements Time	pH (STD) (Units)	Spec. Cond. (umhos)	Temp (°C)	Turb. (NTU)	Other Field Measurements	
NESS-W	06/13/2007	1020	31.17	N/A	N/A	06/13/2007	1045	6.99	2266	14.5	36.20	EH(mv)= -172	DO(ppm)= 0.27
	Comments: SL.TURBID												
PW-10	06/08/2007	1012	6.77	N/A	N/A	06/08/2007	1030	7.15	10030	15.6	26.70	EH(mv)= -116	DO(ppm)= 0.95
	Comments: YELLOW TINT												
PW-11	06/06/2007	1040	22.16	N/A	N/A	06/06/2007	1048	6.97	3691	16.4	108.90	EH(mv)= -68	
	Comments: SL.TURBID GREY												
PW-12(BR-101)	06/11/2007	1142	5.31	N/A	N/A	06/11/2007	1210	7.20	2227	15.4	0.98	EH(mv)= -132	DO(ppm)= 0.90
	Comments: CLEAR												
PW-13	06/08/2007	1120	24.20	N/A	N/A	06/08/2007	1125	7.17	2891	14.1	4.12	EH(mv)= -113	
	Comments: CLEAR												
PW-14	06/08/2007	1020	4.82	N/A	N/A	06/08/2007	1023	8.08	6667	19.2	2.58	EH(mv)= -267	
	Comments: CLEAR YELLOW TINT												
PW-15	07/06/2007	1320	6.33	N/A	N/A	07/06/2007	1355	10.27	12760	16.9	4.15	EH(mv)= -280	
	Comments: CLEAR AMBER TINT												
PZ-101	06/13/2007	1231	12.98	N/A	N/A	06/13/2007	1300	7.00	3717	16.5	2.25	EH(mv)= 17	DO(ppm)= 1.05
	Comments: CLEAR												
PZ-102	06/13/2007	1313	20.26	N/A	N/A	06/13/2007	1340	6.77	4342	15.1	1.09	EH(mv)= 8	DO(ppm)= 0.93
	Comments: CLEAR												
PZ-103	06/13/2007	1358	12.08	N/A	N/A	06/13/2007	1425	6.88	5175	14.5	0.83	EH(mv)= 90	DO(ppm)= 0.97
	Comments: CLEAR												
PZ-104	06/13/2007	1151	12.82	N/A	N/A	06/13/2007	1220	7.27	1534	16.3	1.18	EH(mv)= -115	DO(ppm)= 0.90.
	Comments: CLEAR												
PZ-105	06/07/2007	1040	6.79	N/A	N/A	06/07/2007	1103	7.05	3723	15.2	502.00	EH(mv)= -124	DO(ppm)= 0.99
	Comments: TURBID												
PZ-106	06/07/2007	1315	9.50	N/A	N/A	06/07/2007	1338	6.65	5187	14.3	14.60	EH(mv)= -167	DO(ppm)= 0.98
	Comments: CLEAR BLACK SPECKS												
PZ-107	06/07/2007	1122	5.47	N/A	N/A	06/07/2007	1150	7.89	4582	12.8	1.84	EH(mv)= -187	DO(ppm)= 0.98
	Comments: CLEAR AMBER												
QO-2	06/12/2007	1350	0.00	N/A	N/A	06/12/2007	1356	7.61	2027	24.3	7.28	EH(mv)= 110	
	Comments: CLEAR												
QO-2S1	06/12/2007	1405	0.00	N/A	N/A	06/12/2007	1411	7.87	577	25.6	19.70	EH(mv)= 201	
	Comments: CLEAR												

SG - Specific Gravity
EH - Redox
DO - Dissolved Oxygen

* From Top of Riser
** Elevation Above Sea Level

Sampling Summary Table
ARCH CHEMICAL
JUNE 2007
RI SAMPLING/ROCHESTER NY FACILITY

Sample Point	Water Level Date	Water Level Time	Water Level (ft)*	Water Elevation (ft)**	Bottom Of Well (ft)*	Field Measurements Date	Field Measurements Time	pH (STD) (Units)	Spec. Cond. (umhos)	Temp (°C)	Turb. (NTU)	Other Field Measurements
QS-4	06/12/2007	950	0.00	N/A	N/A	06/12/2007	957	7.56	1602	13.9	2.73	EH(mv)= 20
	Comments: CLEAR											
S-3	06/06/2007	1212	0.87	N/A	N/A	06/06/2007	1235	7.12	2510	14.1	7.55	EH(mv)= -91 DO(ppm)= 0.97
	Comments: CLEAR											
S-4	06/06/2007	1247	0.72	N/A	N/A	06/06/2007	1310	7.23	3572	13.2	11.50	EH(mv)= -122 DO(ppm)= 1.06
	Comments: CLEAR											

SG - Specific Gravity
EH - Redox
DO - Dissolved Oxygen

* From Top of Riser
** Elevation Above Sea Level

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: B-17

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-11-07 / 1102

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-11-07 / 1105

Date / Time Completed: 6-11-07 / 1125

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 5.72

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal:

Dedicated: (Y) / N

Total Volume Purged, Gal:

Purged To Dryness Y / (N) SC turbid

SC turbid

Purge Observations: Low Flow

Start Amber Finish Amber

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1110	ml/m 100	5.75		15.7	7.50	13,320	201	-130	1.16
1115	↓	↓		15.9	7.97	13,220	118	-139	1.02
1120				15.6	8.13	13,200	70.9	-142	0.97
1125	↓	↓		15.6	8.20	13,250	46.5	-145	0.93

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID B-17

e/Time 6-11-07 1130

Water Level @ Sampling, Feet: 5.75

hod of Sampling: Peristaltic Pump Dedicated: (Y) / N

ti-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
130	15.6	8.22	13,200	31.6	151	0.90

TRUMENT CHECK DATA:

dity Serial #: 3925 NTU std. = ____ NTU 20.0 NTU std. = 20.0 NTU

ions: 3961/2

erial #: 614162 4.0 std.= 4.00 7.0 std.= 7.00 10.0 std. = ____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: 614162 1000 umhos/cm= 1000 ____ umhos/cm= ____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: Sun 70°

e Characteristics: Slt rust Amber

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

6/11/07 By: [signature] Company: STR

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: B-7

Field Personnel: PL, TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-11-07 / 1241 Cond of seal: (X) Good ( ) Cracked ____ %
( ) None ( ) Buried

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked (X) Good
( ) Loose ( ) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-11-07 1215 Date / Time Completed: 6-11-07 / 1235

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 12.77 Elevation. G/W MSL: ____

Well Total Depth, Feet: ____ Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____ Dedicated: (Y) / N

Total Volume Purged, Gal: ____ Purged To Dryness Y (N)

Purge Observations: Low Flow Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1220	N/A 100	WL 14.10		18.1	7.39	1721	25.8	-98	1.62
1225		14.16		17.6	7.31	1698	24.3	-90	0.98
1230		14.21		17.5	7.27	1690	21.0	-89	0.96
1235		14.29		17.6	7.25	1688	20.2	-85	0.94

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID B-7

e/Time 6-11-07 / 1240 Water Level @ Sampling, Feet: 14.32

hod of Sampling: Peristaltic Pump Dedicated: (Y) / N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1240	17.5	7.25	1686	19.70	-84	0.92

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3962

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1-4 KR1-7

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

ther conditions @ time of sampling: Sun 77°

e Characteristics: Clear

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ds.

6/11/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: BR-103

Field Personnel: PL, TP, SS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-11-07 1310 Cond of seal: (X) Good ( ) Cracked ____ %
( ) None ( ) Buried

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked ( ) Good
( ) Loose (X) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 0

PURGE INFORMATION:

Date / Time Initiated: 6-11-07 1320 Date / Time Completed: 6-11-07 1340

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 5.27 Elevation. G/W MSL: ____

Well Total Depth, Feet: ____ Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____ Dedicated: (Y) / N

Total Volume Purged, Gal: ____ Purged To Dryness Y / (N)

Purge Observations: Low Flow Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	ml/min	in							
1325	200	5.31		21.1	7.02	766	3.03	-10	.88
1330	↓	↓		18.9	7.00	772	3.44	-11	.80
1335				18.8	7.00	780	1.61	-11	.76
1340	↓	↓		18.7	7.01	782	1.53	-10	.75

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID BR-103

e/Time 6-11-07 1345

Water Level @ Sampling, Feet: 5.31

hod of Sampling: Peristaltic Pump Dedicated: Y (N)

ti-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1345	18.7	7.00	783	1.47	-11	.78

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ions: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: SW 83°

le Characteristics: Clear

MENTS AND OBSERVATIONS:

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ıls.

6/11/07 By: _____ Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-104

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 / 1143

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-12-07 / 1150

Date / Time Completed: 6-12-07 / 1215

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 9.14

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: PERISTALTIC

One (1) Riser Volume, Gal: ____

Dedicated: Y / (N)

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start SL TURB

Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	ml/min	WL							
1200	150	9.17		16.9	7.11	778	55.6	-8	.77
1205	↓	↓		15.9	7.39	777	50.1	-7	.76
1210				16.0	7.35	770	43.4	-6	.70
1215	↓	↓		15.8	7.30	768	39.8	-5	.67

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID BK-104

e/Time 6-12-07 / 1220 Water Level @ Sampling, Feet: 9.17

hod of Sampling: Peristaltic Dedicated: Y (N)

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
220	15.7	7.28	766	30.2	-4	.63

TRUMENT CHECK DATA:

dity Serial #: 3925 NTU std. = ____ NTU 20.0 NTU std. = 20.0 NTU

ions: 3912

erial #: 614162 4.0 std.= 4.00 7.0 std.= 7.00 10.0 std. = ____

ons: KQ1-4 KR1-7.

uctivity Serial #: 614162 1000 umhos/cm= 1000 ____ umhos/cm= ____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: Sun 83

e Characteristics: Clear

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

6/12/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BP-105

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 , 1324

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): — / —

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 , 1338

Date / Time Completed: 6-13-07, 1403

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 23.14

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal:

Dedicated: Y / (N)

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Sl. Turbid Orange

Finish Clear for orange specks

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	Purge Rate (gpm/htz) WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1343	360	2329		13.1	7.49	1786	9.09	-219	1.37
1348				13.0	7.40	1780	4.54	-202	0.63
1353				13.1	7.35	1772	4.86	-193	0.59
1358				13.1	7.36	1781	3.94	-189	0.53
1403				13.1	7.31	1774	3.23	-183	0.46

Sampled @ 1403 on 6-13-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

ti-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ions: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ds.

_____ / / By: _____ Company: SIL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-105D

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 , 1322

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 6-13-07, 1330

Date / Time Completed: 6-13-07, 1350

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 25.10

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal:

Dedicated: Y / (N)

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Gray Tint Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	Purge Rate (gpm/htz) WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1335	320	26.13		16.1	7.36	9870	4.86	-294	0.40
1340		26.20		15.8	~~H.C.~~ 7.42	11,470	2.73	-291	0.36
1345		26.22		15.7	7.46	11,600	1.12	-290	0.32
1350				15.7	7.47	11,760	0.84	-293	0.33

Sample @ 1350 on 6-13-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1-4 KR1-7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

1 1 By: _____ Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-106

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 / 1200

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 / 1212

Date / Time Completed: 6-13-07 / 1232

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 23.37

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal:

Dedicated: Y / (N)

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Turbid Black Specks

Finish SL Turbid Black Specks

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/mn	Purge Rate (gpm/htz) uL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1217	360	2342		12.5	6.83	2931	51.4	-77	1.87
1222				12.3	6.91	2906	55.1	-88	1.17
1227				12.3	6.98	2883	49.3	-91	1.08
1232				12.2	7.00	2887	45.6	-96	1.04

Well sampled @ 1232 on 6-13-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

ti-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

tions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ions: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: _____

le Characteristics: _____

MENTS AND OBSERVATIONS: _____

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ıls.

1 1 By: _____ Company: SIL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: BR-108

Field Personnel: PL, TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 / 1037 Cond of seal: ( ) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-12-07 / 1040 Date / Time Completed: 6-12-07 / 1050

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 28.40 Elevation. G/W MSL:

Well Total Depth, Feet: 29.75' Method of Well Purge: S/S BAILER

One (1) Riser Volume, Gal: .88 Dedicated: (Y) / N

Total Volume Purged, Gal: 1.0 TO DRY Purged To Dryness (Y) / N

Purge Observations: Low Flow Start TURBID ORANGE Finish TURBID ORANGE

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID BR-108

e/Time 6-12-07 1300 Water Level @ Sampling, Feet: 28.77

hod of Sampling: S/S BAILER Dedicated: (Y)/N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1305	17.1	7.10	1075	217	16	—

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = ____ NTU ____ NTU std. = ____ NTU

ions: 39612

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1-4 KR1-7

uctivity Serial #: _____ ____ umhos/cm= ____ ____ umhos/cm= ____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: SUN 83°

e Characteristics: TURBID ORANGE

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

6/12/07 By: M Lee Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: BA-112D

Field Personnel: PL, TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-14-07 / 1035 Cond of seal: (X) Good ( ) Cracked ____ %
( ) None ( ) Buried

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked (X) Good
( ) Loose ( ) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) /

PURGE INFORMATION:

Date / Time Initiated: 6-14-07 / 1041 Date / Time Completed: 6-14-07 / 1110

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 36.46 Elevation. G/W MSL: ____

Well Total Depth, Feet: 72.26 Method of Well Purge: TEFLON BAILER

One (1) Riser Volume, Gal: 5.84 Dedicated: Y / (N)

Total Volume Purged, Gal: 18.0 Purged To Dryness Y / (N)

Purge Observations: Low Flow Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID BR-1120

e/Time 6-14-07 1200 Water Level @ Sampling, Feet: 36.51

hod of Sampling: Teflon Bailer Dedicated: Y (N)

ti-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1203	13.4	7.32	2054	26.9	-77	—

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = ____ NTU ____ NTU std. = ____ NTU

ions: 39612

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7

uctivity Serial #: _____ ____ umhos/cm= ____ ____ umhos/cm= ____

ions: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: Sun 71°

le Characteristics: SL TURBID

MENTS AND OBSERVATIONS:

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ıls.

6/14/07 By: M Lee Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BA-1130

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-14-07 / 1113

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-14-07 / 1115

Date / Time Completed: 6-14-07 / 1145

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 31.47

Elevation. G/W MSL: ____

Well Total Depth, Feet: 79.25

Method of Well Purge: Teflon Bailer

One (1) Riser Volume, Gal: 7.80

Dedicated: Y / (N)

Total Volume Purged, Gal: 24

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish SC Turbid

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID BR-1130

/Time 6-14-07 1225

Water Level @ Sampling, Feet: 31.45

iod of Sampling: Teflon BAILER

Dedicated: Y (N)

i-phased/ layered: ( ) Yes (X) No

If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
227	13.1	7.10	3065	40.5	-185	

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 396/2

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: KQ1-4 KR1-7

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: SUN 75°

e Characteristics: SL TURBID Grey Tint

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

6/14/07 By: _____ Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-114

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-14-07 / 950

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / —

% LEL: — / —

Vol. Organic Meter (Calibration/Reading):

Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 6-14-07, 1010

Date / Time Completed: 6-14-07, 1030

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 13.72

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic

One (1) Riser Volume, Gal:

Dedicated: (Y) / N

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/mn	WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1015	200	13.76		14.7	7.30	1781	0.41	-125	0.36
1020	|	|		14.8	7.23	1790	0.00	-148	0.29
1025	|	|		14.8	7.21	1783	0.15	-153	0.26
1030	|	|		14.8	7.24	1778	0.19	-155	0.23

Sampled @ 1030 on 6-14-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

li-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

1 1 By: _____ Company: SIR

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-116

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 , 1422

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: ____ / ____ % LEL: ____ / ____

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): ____ / ____

PURGE INFORMATION:

Date / Time Initiated: 6-12-07, 1435

Date / Time Completed: 6-12-07, 1455

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 27.85

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal: ____

Dedicated: Y / (N)

Total Volume Purged, Gal: ____

Purged To Dryness Y (N)

Purge Observations: Low Flow

Start Clear w/ Black Specks Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/hr) ml/min	Purge Rate (gpm/hr) WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1440	200	27.89		18.3	7.37	2590	25.5	-164	0.97
1445	↓	↓		18.4	7.09	2565	8.82	-149	0.61
1450				18.4	7.12	2562	9.07	-144	0.58
1455	↓	↓		18.5	7.14	2559	7.66	-143	0.56

Sampled @ 1455 on 6-12-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

e/Time _____ 1 _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

1 1 By: _____ Company: SIL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-116D

Field Personnel: PL, TP, SS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 , 1404

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-12-07 , 1410

Date / Time Completed: 6-12-07 , 1430

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 35.89

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal:

Dedicated: Y / (N)

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min 200	WL 35.93	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1415				18.3	8.99	1942	20.5	-281	0.52
1420				18.4	9.51	1956	21.3	-286	0.39
1425				18.4	9.55	1959	20.8	-283	0.35
1430				18.4	9.60	1963	20.4	-282	0.33

Sampled @ 1430 on 6-12-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: KQ1 - 4 KQ1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

IENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

1 1 By: _____ Company: SR

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-117D

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 , 1128

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) —/—

PURGE INFORMATION:

Date / Time Initiated: 6-12-07 , 1132

Date / Time Completed: 6-12-07 , 1157

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 50.46

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal:

Dedicated: Y / (N)

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start SL Turbid

Finish SL Turbid

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	wl	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1137	200	50.52		11.7	7.40	515	84.1	-28	0.62
1142				11.4	7.69	518	74.3	-37	0.54
1147				11.3	7.74	517	55.0	-42	0.39
1152				11.4	7.80	513	51.4	-40	0.36
1157				11.3	7.82	511	49.6	-39	0.34

Sampled @ 1159 on 6-12-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ions: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: _____

le Characteristics: _____

MENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ıls.

1 1 By: _____ Company: SIR

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: BR-118D

Field Personnel: PL, TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 / 1017 Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): — / —

PURGE INFORMATION:

Date / Time Initiated: 6-12-07 / 1023 Date / Time Completed: 6-12-07, 1053

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 49.30 Elevation. G/W MSL:

Well Total Depth, Feet: Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal: Dedicated: Y / (N)

Total Volume Purged, Gal: Purged To Dryness Y / (N)

Purge Observations: Low Flow Start Sl. Turbid Finish Sl. Turbid

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1028	200	49.79		13.0	7.63	1155	23.7	-297	0.23
1033				12.1	7.47	1232	30.1	-284	0.21
1038				12.3	7.45	1284	31.7	-273	0.20
1043				12.3	7.36	1293	37.5	-268	0.19
1048				12.3	7.33	1302	39.1	-271	0.17
1053				12.4	7.31	1307	38.2	-266	0.16

Sampled @ 1053 on 6-12-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

1 1 By: _____ Company: SIR

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-122D

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 , 1229

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 6-12-07 , 1235

Date / Time Completed: 6-12-07 , 1255

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 45.18

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal: ____

Dedicated: Y / (N)

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Black Tint Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	wl	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1240	200	45.24		13.3	7.28	2205	0.37	-292	0.37
1245				13.4	7.14	2206	0.00	-294	0.34
1250				13.4	7.09	2216	0.00	-289	0.35
1255	↓	↓		13.4	7.07	2213	0.00	-291	0.33

Sampled @ 1255 on 6-12-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ions: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: _____

le Characteristics: _____

MENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ıls.

1 1 By: _____ Company: SIT

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-123D

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 / 1317

Cond of seal: (X) Good ( ) Cracked ____ %
( ) None ( ) Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked (X) Good
( ) Loose ( ) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 6-12-07, 1322

Date / Time Completed: 6-12-07, 1347

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 45.58

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal: ____

Dedicated: Y / (N)

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Blade Tank Finish Blade Tank

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	ml/min / wl							
1327	200 / 45.62		13.0	7.66	2019	18.14	-269	0.19
1332			12.7	7.77	2003	18.75	-270	0.18
1337			12.6	7.90	2000	19.32	-268	0.18
1342			12.6	7.93	2018	19.27	-273	0.17
1347			12.5	7.96	2023	19.16	-276	0.17

Sampled @ 1347 on 6-12-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

ther conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

1 1 By: _____ Company: SIT

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: BR-127

Field Personnel: TP JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-7-07 / 1202

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) /

PURGE INFORMATION:

Date / Time Initiated: 6-7-07, 1205

Date / Time Completed: 6-7-07, 1225

Surf. Meas. Pt: (X) Prot. Casing ( ) Riser

Riser Diameter, Inches: 6

Initial Water Level, Feet: 2.97

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal:

Dedicated: Y / N

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations:

Start Clear, Black specks

Finish Clear w/ Black specks

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	Purge Rate (gpm/htz) WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1210	160	2.97		17.3	7.40	1714	8.86	-228	1.04
1215				17.3	7.43	1697	10.13	-229	1.02
1220				17.2	7.45	1643	7.76	-234	1.00
1225				17.3	7.46	1634	5.99	-237	1.00

Sampled @ 1225 on 6-7-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: _____

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: _____

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ions: _____

ERAL INFORMATION:

ıer conditions @ time of sampling: _____

le Characteristics: _____

MENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ıls.

_____ / / _____ By: _____ Company: _____

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: BR-3

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-11-07 / 1017

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: (X) Unlocked ( ) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-11-07 / 1020

Date / Time Completed: 6-11-07 / 1040

Surf. Meas. Pt: (X) Prot. Casing ( ) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 6.75

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Yellow Fine Finish Yellow Fine

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1025	ml/m-100	WL 6.97		14.4	7.80	14,200	65.9	-222	1.17
1030		7.13		14.7	7.77	13,900	29.6	-219	1.08
1035		7.20		14.6	7.60	13,790	20.8	-215	0.96
1040		7.27		14.4	7.58	13,620	15.2	-210	0.93

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID BR-3

e/Time 6-11-07 1045 Water Level @ Sampling, Feet: 7.36

hod of Sampling: PERISTALTIC PUMP Dedicated: (Y)/N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
045	14.5	7.55	13,590	10.61	-207	0.90

TRUMENT CHECK DATA:

idity Serial #: 3925 NTU std. = ____ NTU 20 NTU std. = 20 NTU

ions: 3912

erial #: 616806 4.0 std.= 4.00 7.0 std.= 7.00 10.0 std. = ____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: 616806 1000 umhos/cm= 1000 ____ umhos/cm= ____

ions: 3715

ERAL INFORMATION:

ner conditions @ time of sampling: clouds 73°

le Characteristics: Clear Yellow tint

MENTS AND OBSERVATIONS:

/ that sampling procedures were in accordance with all applicable EPA, State and Site-Specific als.

6/11/07 By: M. Lee Company: STL

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: ARCH Sample Point ID: BR-5A

Field Personnel: P.Lithi, JJ Sample Matrix: GW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-8-07 1050 Water Level @ Sampling, Feet: 10.17

Method of Sampling: SAMPLE PORT Dedicated: (Y) N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1057	14.7	7.58	1684	14.6	-105	

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

Solutions: _____

pH Serial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

Solutions: _____

Conductivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

Solutions: _____

GENERAL INFORMATION:

Weather conditions @ time of sampling: SUN 83°

Sample Characteristics: Clear yellow tint

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6/8/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: BR-GA

Field Personnel: TP. JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

*Former Pumping Well

Date/Time 6-6-07 / 1136

Cond of seal: ( ) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-6-07 / 1140

Date / Time Completed: 6-6-07 / 1200

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches:

Initial Water Level, Feet: 8.81

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal:

Dedicated: (Y) / N

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations:

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other D.O.
	ml/mm	WL							
1145	180	8.97		14.8	7.40	1058	808	28	1.62
1150	"	8.99		14.7	7.68	1061	4.71	8	1.24
1155	"	"		14.7	7.71	1062	4.50	9	1.21
1200	"	"		14.7	7.74	1063	4.48	7	1.22

Sampled @ 1200 on 6-6-07

FIELD OBSERVATIONS (continued)

LING INFORMATION: POINT ID _____

/Time _____ / _____ **Water Level @ Sampling, Feet:** _____

iod of Sampling: _____ **Dedicated:** Y / N

i-phased/ layered: ( ) Yes ( ) No **If YES:** ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ons: _____

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

: _____

ıctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: _____

RAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

IENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific

S

_____ / _____ **By:** _____ **Company:** _____

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: ARCH Sample Point ID: BR-7A

Field Personnel: P.Lith, JJ Sample Matrix: GW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-8-07 1110 Water Level @ Sampling, Feet: 24.69

Method of Sampling: SAMPLE PUMP Dedicated: (Y) N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1113	14.2	7.61	2591	14.8	-167	

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

Solutions: _____

pH Serial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

Solutions: _____

Conductivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

Solutions: _____

GENERAL INFORMATION:

Weather conditions @ time of sampling: SUN 85°

Sample Characteristics: CLEAR

COMMENTS AND OBSERVATIONS: 8.68 CM

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6/8/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: BR-8

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-6-07 / 1002

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-6-07 / 1010

Date / Time Completed: 6-6-07 / 1025

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: ____

Initial Water Level, Feet: 8.30

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: Y / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: ____

Start ~~Clear~~ Turbid Yellow w/ Black specks

Finish Turbid Yellow w/ Black specks

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other D.O
	all/mm	WL							
1010	150	9.37		13.5	7.70	4178	71.0	-79	1.09
1015		9.39		13.5	7.29	4208	72.7	-93	1.02
1020		9.40		13.5	7.26	4242	69.8	-94	0.99
1025		9.40		13.6	7.23	4259	70.1	-97	0.99

Sampled @ 1025 on 6-6-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

dity Serial #: 3925-5202 NTU std. = ____ NTU 20 NTU std. = 20 NTU

ions: 20 - 3962

erial #: _____ 4.0 std.= 402 7.0 std.= 6.99 10.0 std. = _____

ons: 4-KQI 7-KRI

uctivity Serial #: _____ 1006 umhos/cm= 1060 _____ umhos/cm= _____

ons: 1000 - 3715

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

__/__/__ By: _____ Company: _____

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: ARCH

Sample Point ID: BA-14

Field Personnel: P. Lithe, JJ

Sample Matrix: GW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-8-07 / 1100

Water Level @ Sampling, Feet: 24.88

Method of Sampling: SAMPLE PORT

Dedicated: (Y) N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1103	15.6	7.99	2179	1.87	-111	

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ NTU std. = ____ NTU ____ NTU std. = ____ NTU

Solutions: _____

pH Serial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

Solutions: _____

Conductivity Serial #: _____ ____ umhos/cm= ____ ____ umhos/cm= ____

Solutions: _____

GENERAL INFORMATION:

Weather conditions @ time of sampling: Sun 83°

Sample Characteristics: clr

COMMENTS AND OBSERVATIONS: 13.24 feet

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6/8/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: E-1

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-6-07 , 1330

Cond of seal: ( ) Good ( ) Cracked Vault %
( ) None ( ) Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good
( ) Loose ( ) Flush Mount
( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-6-07, 1350

Date / Time Completed: 6-6-07, 1415

Surf. Meas. Pt: ( ) Prot. Casing ( ) Riser

Riser Diameter, Inches:

Initial Water Level, Feet: 0.64

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal:

Dedicated: (Y) / N

Total Volume Purged, Gal:

Purged To Dryness Y (N)

Purge Observations:

Start Turbid Black Finish Sl. Turbid Yellowish Brown

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1355	200	0.64		17.0	9.16	15360	177	-165	0.98
1400	|			16.4	9.74	15520	85.9	-196	0.92
1405	|			16.4	9.83	15530	77.4	-260	0.89
1410	|			16.3	9.89	15590	56.0	-273	0.90
1415	—			16.4	9.91	15640	54.0	-280	0.88

Sampled @ 1415 on 6-6-07

FIELD OBSERVATIONS (continued)

PLING INFORMATION: POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

od of Sampling: _____ Dedicated: Y / N

-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

PLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

fity Serial #: 3925 NTU std. = ____ NTU 200.0 NTU std. = 20.0 NTU

ons: 3912

#: 61462 4.0 std.= 4.00 7.0 std.= 7.00 10.0 std. = _____

ns: 4-KQI, 7-KAI

ictivity Serial #: 61462 1000 umhos/cm= 1000 _____ umhos/cm= _____

ns: 3715

RAL INFORMATION:

er conditions @ time of sampling: _____

Characteristics: _____

ENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific

1 1 By: _____ Company: _____

FIELD OBSERVATIONS

Facility: Arch Chemical | Sample Point ID: PW-15

Field Personnel: P. Lister, T. Palmer | Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 7-6-07 1320 | Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: — | Cond of prot. Casing/riser: (X) Unlocked ( ) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / | % LEL: /

Vol. Organic Meter (Calibration/Reading): | Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 7-6-07 1325 | Date / Time Completed: 7-6-07 1355

Surf. Meas. Pt: (X) Prot. Casing ( ) Riser | Riser Diameter, Inches: 6.0

Initial Water Level, Feet: 6.33 | Elevation. G/W MSL: ____

Well Total Depth, Feet: ____ | Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____ | Dedicated: (Y) / N

Total Volume Purged, Gal: ____ | Purged To Dryness Y / (N)

Purge Observations: ____ | Start Turbid Amber Finish Clear Amber

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other
	pump	WL							
1335	200	6.38		16.6	8.80	12,570	8.36	-248	
1340				17.0	9.98	12,720	3.84	-261	
1345				16.8	10.16	12,730	4.32	-270	
1350				16.7	10.22	12,750	4.19	-275	
1355				16.9	10.27	12,760	4.15	-280	

SAMPLED AT 1355 7-6-07

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: ARCH Sample Point ID: PW-14

Field Personnel: R.Lithe, JJ Sample Matrix: GW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-8-07 1020 Water Level @ Sampling, Feet: 4.82

Method of Sampling: SAMPLE PORT Dedicated: (Y) N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1023	19.2	8.08	6667	2.58	-267	

INSTRUMENT CHECK DATA:

Turbidity Serial #: 3925 NTU std. = 0 NTU 20 NTU std. = 20 NTU

Solutions:

pH Serial #: 616806 4.0 std.= 4.00 7.0 std.= 7.00 10.0 std. =

Solutions:

Conductivity Serial #: 616806 1000 umhos/cm= 1000 umhos/cm=

Solutions:

GENERAL INFORMATION:

Weather conditions @ time of sampling: SUN 83°

Sample Characteristics: Clear Yellow Tint

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 618107 By: Company: STL

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: ARCH Sample Point ID: PW-13

Field Personnel: R.Lithh, JS Sample Matrix: GW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-8-07 1120 Water Level @ Sampling, Feet: 24.20

Method of Sampling: SAMPLE PORT Dedicated: (Y) N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1125	14.1	7.17	2991	4.12	-113	

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

Solutions: _____

pH Serial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

Solutions: _____

Conductivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

Solutions: _____

GENERAL INFORMATION:

Weather conditions @ time of sampling: Sun 80°

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6/8/07 By: M Lo Company: STL

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID PW-12

/Time 6-11-07 / 1210 Water Level @ Sampling, Feet: 5.49

iod of Sampling: Peristaltic Pump Dedicated: (Y) / N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
210	15.4	7.20	2227	0.98	-132	0.80

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

#: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1-4 KR1-7

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

ier conditions @ time of sampling: Sun 75°

e Characteristics: Clear

MENTS AND OBSERVATIONS:

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific

6/11/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: PW-12

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-11-07 / 1142

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-11-07 / 1145

Date / Time Completed: 6-11-07 / 1205

Surf. Meas. Pt: (X) Prot. Casing ( ) Riser

Riser Diameter, Inches: 6.0

Initial Water Level, Feet: 5.31

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1150	ml/m 200	5.49		15.6	7.37	2244	5.07	-117	1.13
1155	↓	↓		15.5	7.30	2240	2.60	-121	1.06
1200				15.3	7.28	2237	1.55	-124	0.97
1205	↓	↓		15.5	7.25	2230	1.01	-121	0.95

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: PW-11

Field Personnel: TP, JS

Sample Matrix: GW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-6-07 , 1040

Water Level @ Sampling, Feet: 22.16

Method of Sampling: Peristaltic

Dedicated: Y / N

Multi-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1048	16.4	6.97	3691	108.9	-68	

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

Solutions: _____

pH Serial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

Solutions: _____

Conductivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

Solutions: _____

GENERAL INFORMATION:

Weather conditions @ time of sampling: Clouds, 62°

Sample Characteristics: Cloudy, light gray, slight odor

COMMENTS AND OBSERVATIONS: _____

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6/6/07 By: _____ Company: STL

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID PW-10

e/Time 6-8-07 1035 Water Level @ Sampling, Feet: 6.77

hod of Sampling: PERISTALTIC Dedicated: (Y) N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
035	15.4	7.17	10,050	24.4	-121	.93

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ions: 3715

ERAL INFORMATION:

her conditions @ time of sampling: SUN 83°

le Characteristics: Yellow Tint

MENTS AND OBSERVATIONS:

/ that sampling procedures were in accordance with all applicable EPA, State and Site-Specific als.

6/8/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: PW-10

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-8-07 / 1012

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-8-07 / 1015

Date / Time Completed: 6-8-07 / 1030

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 6.0

Initial Water Level, Feet: 6.77

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Yellow Tint Finish Yellow Tint

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1020	ML/min 200	WL 6.79		16.1	7.09	10,000	31.6	-109	1.06
1025	↓	↓		15.5	7.13	10,010	29.1	-111	.99
1030	↓	↓		15.6	7.15	10,030	26.7	-116	.95

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

.02 = .02

dity Serial #: 364075 NTU std. = _____ NTU 20 NTU std. = 20 NTU

ions: 3912

erial #: 614162 4.0 std.= 4.01 7.0 std.= 7.00 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: 614162 100 umhos/cm= 1000 _____ umhos/cm= _____

ons: 3715 - 1000

ERAL INFORMATION:

ther conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ıls.

1 1 By: _____ Company: SIR

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: Ness-W

Field Personnel: PL, TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 / 1020 Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): — / —

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 / 1025 Date / Time Completed: 6-13-07 / 1045

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 31.17 Elevation. G/W MSL:

Well Total Depth, Feet: Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal: Dedicated: Y / (N)

Total Volume Purged, Gal: Purged To Dryness Y / (N)

Purge Observations: Low Flow Start Sl. Turbid w/ white specks Finish Sl. Turbid w/ white specks

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1030	200	31.23		14.4	7.17	2232	35.7	-160	0.37
1035		31.24		14.3	7.03	2260	40.8	-167	0.31
1040				14.4	7.00	2264	38.7	-170	0.29
1045				14.5	6.99	2266	36.2	-172	0.27

Sampled @ 1045 on 6-13-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

her conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

' that sampling procedures were in accordance with all applicable EPA, State and Site-Specific uls.

1 1 By: _____ Company: SIT

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: Ness-E

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 / 1104

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / —

% LEL: — / —

Vol. Organic Meter (Calibration/Reading):

Volatiles (ppm): — / —

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 / 1110

Date / Time Completed: 6-13-07 / 1130

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 4.0

Initial Water Level, Feet: 9.18

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal:

Dedicated: Y / (N)

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start SI. Turbid Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1115	ml/min 140 / WL 9.79		17.1	6.75	3098	18.29	17	0.42
1120	|		17.1	6.58	3137	22.5	-1	0.34
1125	|		17.2	6.56	3125	23.1	-1	0.33
1130	|		17.2	6.53	3119	22.7	-2	0.34

Sampled @ 1130 on 6-13-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

iod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ons: _____

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: _____

ictivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: _____

RAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

IENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific
ls.

__/ /__ By: _____ Company: _____

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: MW-127

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-7-07 , 1228

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-7-07, 1238

Date / Time Completed: 6-7-07, 1258

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2

Initial Water Level, Feet: 3.71

Elevation. G/W MSL: ____

Well Total Depth, Feet: 11.25

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: ____

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/mn	WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other D.O.
1243	50	4.57		17.5	7.47	4571	4.77	-203	1.13
1248	|	4.60		17.6	7.42	4486	2.91	-192	1.07
1253	|	4.62		17.5	7.43	4399	2.87	-189	1.04
1258	|	4.63		17.6	7.39	4365	3.17	-190	1.02

Sampled @ 1258 on 6-7-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

iod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

TRUMENT CHECK DATA:

dity Serial #: 364075 NTU std. = ____ NTU 20 NTU std. = 20 NTU

ions: 3962

erial #: 614162 4.0 std.= 4.01 7.0 std.= 7.01 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: 614162 1000 umhos/cm= 1000 _____ umhos/cm= _____

ions: 3715 - 1000

ERAL INFORMATION:

ier conditions @ time of sampling: _____

le Characteristics: _____

MENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

r that sampling procedures were in accordance with all applicable EPA, State and Site-Specific als.

1 1 By: _____ Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: MW-114

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-14-07 / 928

Cond of seal: (N) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (N) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / —

% LEL: — / —

Vol. Organic Meter (Calibration/Reading):

Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 6-14-07 / 933

Date / Time Completed: 6-14-07 / 953

Surf. Meas. Pt: ( ) Prot. Casing (N) Riser

Riser Diameter, Inches: 20

Initial Water Level, Feet: 10.72

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal:

Dedicated: (Y) / N

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
938	ml/min 75	wt 11.12		15.8	7.11	2407	17.77	16	1.08
943	"	11.31		15.4	7.09	2134	12.09	18	1.03
948	"	11.39		15.3	7.03	2097	8.43	18	1.04
953	"	"		15.3	7.04	2058	5.94	20	1.00

Sampled @ 953 on 6-14-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

MENTS AND OBSERVATIONS: _____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

1 1 By: _____ Company: SIR

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: MW-106

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 , 1158

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: ____ / ____ % LEL: ____ / ____

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): ____ / ____

PURGE INFORMATION:

Date / Time Initiated: 6-13-07, 1205

Date / Time Completed: 6-13-07 , 1230

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 10.06

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Bladder Pump

One (1) Riser Volume, Gal: ____

Dedicated: Y / (N)

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Turbid orange Finish Clear w/ orange specks

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1210	280	10.70		13.2	7.27	2217	82.3	-97	1.27
1215	1	10.88		13.1	7.13	2387	67.2	-100	0.64
1220	200	10.91		13.1	7.10	2403	54.8	-107	0.60
1225	1	1		13.0	7.07	2468	32.7	-102	0.58
1230	1	1		13.1	7.11	2503	18.35	-108	0.57

Sampled @ 1230 on 6-13-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID MW-104

e/Time 6-12-07 / 1135 Water Level @ Sampling, Feet: 7.57

hod of Sampling: PERISTALTIC Dedicated: Y (N)

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1135	16.4	7.33	875	283	-85	0.87

TRUMENT CHECK DATA:

dity Serial #: 3925 NTU std. = ____ NTU 20 NTU std. = 20 NTU

ions: 39C12

erial #: 616806 4.0 std.= 4.00 7.0 std.= 7.00 10.0 std. = ____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: 616806 1.00 umhos/cm= 1000 ____ umhos/cm= ____

ons: 3715

ERAL INFORMATION:

her conditions @ time of sampling: SUN 83°

e Characteristics: TURBID

MENTS AND OBSERVATIONS:

r that sampling procedures were in accordance with all applicable EPA, State and Site-Specific als.

6/12/07 By: M Lee Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: MW-104

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-12-07 / 1100

Cond of seal: ( ) Good ( ) Cracked ____ %
( ) None (X) Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good
( ) Loose (X) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-12-07 / 1105

Date / Time Completed: 6-12-07 / 1130

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 7.43

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: PERISTALTIC

One (1) Riser Volume, Gal:

Dedicated: Y / (N)

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start TURBID Finish TURBID

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1115	ML/MIN 100	7.57		17.1	7.49	892	400	-76	1.07
1120	↓	↓		16.9	7.40	887	357	-80	.98
1125				16.4	7.37	880	300	-85	.94
1130	↓	↓		16.2	7.35	877	289	-85	.90

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID MW-103

e/Time 6-11-07 1315 Water Level @ Sampling, Feet: 2.06

hod of Sampling: Peristaltic Pump Dedicated: (Y) (N)

ti-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

MPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1315	21.4	7.15	680	0.80	-98	0.83

TRUMENT CHECK DATA:

idity Serial #: _____ NTU std. = ____ NTU ____ NTU std. = ____ NTU

ions: 3912

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1-4 KR1-7

uctivity Serial #: _____ ____ umhos/cm= ____ ____ umhos/cm= ____

ions: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: Sun 80°

le Characteristics: clear

MENTS AND OBSERVATIONS:

r that sampling procedures were in accordance with all applicable EPA, State and Site-Specific als.

6/11/07 By: _____ Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: MW 103

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-11-07 / 1247

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-11-07 / 1250

Date / Time Completed: 6-11-07 / 1310

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 1.38

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	ml/mn	ml							
1255	150	1.79		23.0	7.44	707	2.24	-113	1.06
1300	↓	1.82		21.5	7.29	687	1.56	-110	0.99
1305	↓	1.87		21.4	7.19	690	0.98	-107	0.96
1310	↓	1.92		21.5	7.18	688	0.94	-100	0.95

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID E-3

e/Time 6-7-07 , 1008

Water Level @ Sampling, Feet: 5.97

hod of Sampling: Peristaltic Pump Dedicated: (Y) N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

MPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
015	13.6	7.23	1474	21.2	18	1.36

RUMENT CHECK DATA:

dity Serial #: 3925-5207 NTU std. = ____ NTU 20 NTU std. = 20 NTU

ions: 20-39612

rial #: G16806 4.0 std.= 4.01 7.0 std.= 7.00 10.0 std. = ____

ons: 4-KQI 7. KRI

uctivity Serial #: G16806 1000 umhos/cm=1000 ____ umhos/cm=____

ons: 1000-3715

ERAL INFORMATION:

er conditions @ time of sampling: Clouds, 60°

e Characteristics: Clear with orange specks

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

6,7,07 By: [signature] Company: ST

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: E-3

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-6-07 , 1117

Cond of seal: ( ) Good (X) Cracked ____ %
( ) None ( ) Buried

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good
( ) Loose ( ) Flush Mount
(X) Damaged Bent

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-6-07 , 1120

Date / Time Completed: 6-6-07 , 1130

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: ____

Initial Water Level, Feet: 5.53

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness (Y) / N

Purge Observations: ____

Start Sl. Turbid Orange Specks

Finish Clear w/ Orange Specks

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1125			13.9	7.37	1236	357	-0	1.42
1130			14.1	7.22	1216	223	521	1.29
1133	- Dry							

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

iod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ons: _____

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: _____

ıctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: _____

:RAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

IENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific is.

_____ By: _____ Company: _____

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: PZ-101

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 1231

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 1235

Date / Time Completed: 6-13-07 1255

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 12.98

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: PERISTALTIC

One (1) Riser Volume, Gal:

Dedicated: (Y) / N

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1240	MW 150	WL 13.13		16.9	7.01	3641	3.78	23	1.17
1245	↓	↓		16.7	7.03	3704	3.76	23	1.15
1250				16.5	7.00	3710	2.88	20	1.11
1255	↓	↓		16.7	7.00	3715	2.84	18	1.07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID P2-101

/Time 6-13-07 1300 Water Level @ Sampling, Feet: 13.13

iod of Sampling: Peristaltic Dedicated: (Y) N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
300	16.5	7.00	3717	2.25	17	1.05

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = ____ NTU ____ NTU std. = ____ NTU

ons: 39612

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: KQ1-4 KR1-7.

uctivity Serial #: _____ ____ umhos/cm= ____ ____ umhos/cm= ____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: SW 83°

e Characteristics: clear

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

6/13/07 By: M Lo Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: P2-102

Field Personnel: PL, TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 / 1313 Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 / 1317 Date / Time Completed: 6-13-07 / 1335

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 20.26 Elevation. G/W MSL:

Well Total Depth, Feet: Method of Well Purge: PERISTALTIC

One (1) Riser Volume, Gal: Dedicated: (Y) / N

Total Volume Purged, Gal: Purged To Dryness Y / (N)

Purge Observations: Low Flow Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1320	MG/Air 15°	WL 20.41		15.4	6.59	4309	1.73	7	1.07
1325	↓	↓		15.6	6.70	4320	1.37	8	1.01
1330				15.2	6.77	4338	1.21	8	0.97
1335	↓	↓		15.0	6.75	4339	1.17	7	0.95

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID P2-102

/Time 6-13-07 1340 Water Level @ Sampling, Feet: 20.41

iod of Sampling: Peristaltic Dedicated: (Y) N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
340	15.1	6.77	4342	1.09	0	0.93

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 3912

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: Sunny 85°

e Characteristics: clear

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ds.

6/13/07 By: _____ Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL

Sample Point ID: P2-103

Field Personnel: PL, TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 1358

Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: (X) Unlocked (X) Good ( ) Loose ( ) Flush Mount (X) Damaged CAP Broken

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 / 1400

Date / Time Completed: 6-13-07 / 1420

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 12.08

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: Low Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	mL/m	mL							
1405	150	12.15		14.7	6.77	5250	1.87	106	1.22
1410	↓	↓		14.9	6.80	5199	1.01	96	1.17
1415				14.9	6.83	5186	0.90	94	1.09
1420	↓	↓		14.7	6.86	5178	0.85	92	1.00

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID PZ-103

/Time 6-13-07 / 1425 Water Level @ Sampling, Feet: 12.15

iod of Sampling: Peristaltic Dedicated: (Y) N

i-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
425	14.5	6.88	5175	0.83	90	0.97

TRUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ions: 39C12

erial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: 3715

ERAL INFORMATION:

ıer conditions @ time of sampling: Sun 86°

ie Characteristics: Clear

MENTS AND OBSERVATIONS:

/ that sampling procedures were in accordance with all applicable EPA, State and Site-Specific als.

6/13/07 By: [signature] Company: STL

FIELD OBSERVATIONS

Facility: ARCH CHEMICAL Sample Point ID: PZ-104

Field Personnel: PL, TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-13-07 / 1151 Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried %

Prot. Casing/riser height: — Cond of prot. Casing/riser: ( ) Unlocked ( ) Good ( ) Loose (X) Flush Mount ( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-13-07 / 1155 Date / Time Completed: 6-13-07 / 1215

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 12.82 Elevation. G/W MSL:

Well Total Depth, Feet: Method of Well Purge: Peristaltic

One (1) Riser Volume, Gal: Dedicated: (Y) N

Total Volume Purged, Gal: Purged To Dryness Y (N)

Purge Observations: Low Flow Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	mL/min	in							
1200	200	12.80		16.2	7.44	1576	3.10	-111	1.07
1205	↓	↓		16.6	7.39	1540	1.37	-112	0.99
1210				16.3	7.30	1538	1.21	-114	0.95
1215	↓	↓		16.4	7.28	1536	1.20	-115	0.91

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID MW-104

/Time 6-13-07 / 1220 Water Level @ Sampling, Feet: 12.88

iod of Sampling: PERISTALTIC Dedicated: (Y) N

i-phased/ layered: ( ) Yes (4) No If YES: ( ) light ( ) heavy

IPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other (DO)
1220	16.3	7.27	1534	1.10	-115	0.90

RUMENT CHECK DATA:

dity Serial #: 3925 NTU std. = ____ NTU 20 NTU std. = 20 NTU

ions: 3912

rial #: 61680 4.0 std.= 4.00 7.0 std.= 7.00 10.0 std. = ____

ions: KQ1 - 4 KR1 - 7.

uctivity Serial #: 61558 1000 umhos/cm= 1000 ____ umhos/cm= ____

ons: 3715

ERAL INFORMATION:

er conditions @ time of sampling: SUN 81°

e Characteristics: CLR

MENTS AND OBSERVATIONS:

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

6/12/07 By: [signature] Company: SIL

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: PZ-105

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-7-07 , 1040

Cond of seal: ( ) Good ( ) Cracked ____ %
( ) None (X) Buried

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good
( ) Loose (X) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-7-07 , 1043

Date / Time Completed: 6-7-07 , 1103

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2

Initial Water Level, Feet: 6.79

Elevation. G/W MSL: ____

Well Total Depth, Feet: 32.86

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y (N)

Purge Observations: ____

Start 1# Tubing

Finish Tubing

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	ml/min	L/L							
1048	75	7.55		15.3	7.05	3714	486	-102	1.17
1053		8.22		15.2	7.04	3736	525	-119	1.01
1058		8.89		15.1	7.05	3718	532	-123	0.98
1103		9.35		15.2	7.05	3723	502	-124	0.99

Sampled @ 1103 on 6-7-07

MW01

FIELD OBSERVATIONS (continued)

MPLING INFORMATION:

POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

iod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ons: _____

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: _____

ictivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: _____

RAL INFORMATION:

er conditions @ time of sampling: _____

Characteristics: _____

ENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific s.

_____ / / _____ By: _____ Company: _____

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: PZ-106

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-7-07 , 1315

Cond of seal: ( ) Good ( ) Cracked ____ %
( ) None (X) Buried

Prot. Casing/riser height: ____

Cond of prot. Casing/riser: ( ) Unlocked (X) Good
( ) Loose ( ) Flush Mount
( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-7-07 , 1318

Date / Time Completed: 6-7-07 , 1338

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser

Riser Diameter, Inches: 2

Initial Water Level, Feet: 9.50

Elevation. G/W MSL: ____

Well Total Depth, Feet: ____

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____

Dedicated: (Y) / N

Total Volume Purged, Gal: ____

Purged To Dryness Y / (N)

Purge Observations: ____

Start Sl. Turbid Black Specks Yellow Tint

Finish Clear Black Specks Yellow Tint

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other D.O
	ml/min	WL							
1323	180	10.14		15.2	7.08	5296	189	-145	1.15
1328	|	10.52		14.6	6.70	5272	19.2	-162	1.06
1333	|	10.66		14.5	6.68	5219	17.3	-159	1.01
1338	|	10.72		14.3	6.65	5187	14.6	-167	0.98

Sampled @ 1338 on 6-7-07

FIELD OBSERVATIONS (continued)

MPLING INFORMATION: POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

od of Sampling: _____ Dedicated: Y / N

-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

dity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ons: _____

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: _____

ıctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: _____

:RAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

IENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific ls.

_____ / / _____ By: _____ Company: _____

FIELD OBSERVATIONS

Facility: Arch Chemical Sample Point ID: PZ-107

Field Personnel: TP, JS Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-7-07 / 1122 Cond of seal: (X) Good ( ) Cracked ( ) None ( ) Buried ____ %

Prot. Casing/riser height: ____ Cond of prot. Casing/riser: ( ) Unlocked (X) Good ( ) Loose ( ) Flush Mount ( ) Damaged ____

If prot.casing; depth to riser below: ____

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-7-07 / 1125 Date / Time Completed: 6-7-07 / 1150

Surf. Meas. Pt: ( ) Prot. Casing (X) Riser Riser Diameter, Inches: 2

Initial Water Level, Feet: 5.47 Elevation. G/W MSL: ____

Well Total Depth, Feet: 27.90 Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal: ____ Dedicated: (Y) / N

Total Volume Purged, Gal: ____ Purged To Dryness Y / (N)

Purge Observations: ____ Start Clear Finish Clear, Amber Color, Slight odor

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz) ml/min	Purge Rate (gpm/htz) L/L	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1130	200	5.71		13.1	7.33	3821	295	-149	1.30
1135		5.73		12.9	7.54	4237	176	-155	1.11
1140				12.9	7.81	4486	226	-189	1.03
1145				12.9	7.87	4519	210	-188	1.00
1150				12.8	7.89	4582	184	-187	0.98

Sampled @ 1150 on 6-7-07

FIELD OBSERVATIONS (continued)

IPLING INFORMATION: POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

od of Sampling: _____ Dedicated: Y / N

-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

PLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

lity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ons: _____

ial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

ons: _____

ctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ons: _____

RAL INFORMATION:

er conditions @ time of sampling: _____

Characteristics: _____

ENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

hat sampling procedures were in accordance with all applicable EPA, State and Site-Specific s.

_____ / / _____ By: _____ Company: _____

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: Q0-2

Field Personnel: TP, PL, JS

Sample Matrix: SW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-12-07 , 1350

Water Level @ Sampling, Feet: _____

Method of Sampling: Manual Grab

Dedicated: (Y) / N

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1356	24.3	7.61	2027	7.28	110	

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

Solutions: _____

pH Serial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

Solutions: _____

Conductivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

Solutions: _____

GENERAL INFORMATION:

Weather conditions @ time of sampling: Sun. 86°

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS: _____

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6,12,07 By: _____ Company: STL

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: Arch Chemical Sample Point ID: QO-2S1

Field Personnel: TP, PL, JS Sample Matrix: SW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-12-07 , 1405 Water Level @ Sampling, Feet: _____

Method of Sampling: Dipper Dedicated: Y (N)

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
1411	25.6	7.87	577	19.7	201	

INSTRUMENT CHECK DATA:

Turbidity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

Solutions: _____

pH Serial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

Solutions: _____

Conductivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

Solutions: _____

GENERAL INFORMATION:

Weather conditions @ time of sampling: Sun, 86°

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS: _____

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6,12 07 By: _____ Company: STL

LeachField Form
Revision 0
March 15,2002

FIELD OBSERVATIONS

Facility: Arch

Sample Point ID: QS-4

Field Personnel: TP, JS

Sample Matrix: GW

(X) Grab ( ) Composite

SAMPLING INFORMATION:

Date/Time 6-12-07 , 950

Water Level @ Sampling, Feet: _____

Method of Sampling: Stainless Bucket

Dedicated: Y (N)

Multi-phased/ layered: ( ) Yes (X) No If YES: ( ) light ( ) heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other (ORP)	Other ( )
9-57	13.9	7.56	1602	2.73	20	

INSTRUMENT CHECK DATA:

Turbidity Serial #: 36405 ____NTU std. = ____NTU 20 ____NTU std. = 20 ____NTU

Solutions: 20 - 3961 2

pH Serial #: 614162 4.0 std.= 4.00 7.0 std.= 7.02 10.0 std. = _____

Solutions: 4-KQ1 7-KRI

Conductivity Serial #: 614162 1000 umhos/cm= 1000 _____umhos/cm=_____

Solutions: 1000 - 3715

GENERAL INFORMATION:

Weather conditions @ time of sampling: Sun 80°

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 6/12/07 By: _____ Company: STL

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: S-3

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-6-07 , 1212

Cond of seal: ( ) Good ( ) Cracked Vault %
( ) None ( ) Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good
( ) Loose ( ) Flush Mount
( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-6-07 , 1215

Date / Time Completed: 6-6-07 , 1235

Surf. Meas. Pt: ( ) Prot. Casing ( ) Riser

Riser Diameter, Inches:

Initial Water Level, Feet: 0.87

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal:

Dedicated: (Y) / N

Total Volume Purged, Gal:

Purged To Dryness Y / (N)

Purge Observations:

Start Clear w/ Black specks Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)		Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
	mlmin	W.L							
1220	200	0.87		14.0	7.41	2530	10.06	-71	1.08
1225				14.0	7.18	2526	8.50	-100	1.03
1230				14.1	7.17	2509	8.50	-94	0.99
1235				14.1	7.12	2510	7.55	-91	0.97

Sampled @ 1235 on 6-6-07

FIELD OBSERVATIONS (continued)

LING INFORMATION: POINT ID _____

/Time _____ / _____ Water Level @ Sampling, Feet: _____

od of Sampling: _____ Dedicated: Y / N

-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

lity Serial #: _____ NTU std. = _____ NTU _____ NTU std. = _____ NTU

ons: _____

rial #: _____ 4.0 std.= _____ 7.0 std.= _____ 10.0 std. = _____

: _____

ctivity Serial #: _____ _____ umhos/cm= _____ _____ umhos/cm= _____

ns: _____

RAL INFORMATION:

r conditions @ time of sampling: _____

Characteristics: _____

ENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

hat sampling procedures were in accordance with all applicable EPA, State and Site-Specific

s.

_____ / / _____ By: _____ Company: _____

FIELD OBSERVATIONS

Facility: Arch Chemical

Sample Point ID: S-4

Field Personnel: TP, JS

Sample Matrix: GW

MONITORTING WELL INSPECTION:

Date/Time 6-6-07 , 1247

Cond of seal: ( ) Good ( ) Cracked Vault %
( ) None ( ) Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: ( ) Unlocked ( ) Good
( ) Loose ( ) Flush Mount
( ) Damaged

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: / % LEL: /

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): /

PURGE INFORMATION:

Date / Time Initiated: 6-6-07, 1250

Date / Time Completed: 6-6-07 , 1310

Surf. Meas. Pt: ( ) Prot. Casing ( ) Riser

Riser Diameter, Inches:

Initial Water Level, Feet: 0.72

Elevation. G/W MSL:

Well Total Depth, Feet:

Method of Well Purge: Peristaltic Pump

One (1) Riser Volume, Gal:

Dedicated: Y / N

Total Volume Purged, Gal:

Purged To Dryness Y (N)

Purge Observations:

Start Clear w/ ormse specks Finish Clear

PURGE DATA: (if applicable) * Field Dup Taken

Time	Purge Rate (gpm/htz) mL/min / WL	Cumulative Volume	Temp. (C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ORP	Other DO
1255	200 / 0.72		13.0	7.02	3587	18.7	-120	1.49
1300			13.0	7.16	3566	14.0	-119	1.13
1305			13.1	7.20	3553	10.77	-124	1.08
1310			13.2	7.23	3572	11.5	-122	1.06

Sampled @ 1310 on 6-6-07 DUP Taken

FIELD OBSERVATIONS (continued)

LING INFORMATION: POINT ID _____

e/Time _____ / _____ Water Level @ Sampling, Feet: _____

hod of Sampling: _____ Dedicated: Y / N

i-phased/ layered: ( ) Yes ( ) No If YES: ( ) light ( ) heavy

IPLING DATA:

ime	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	Other ( )	Other ( )

RUMENT CHECK DATA:

dity Serial #: _____NTU std. = _____NTU _____NTU std. = _____NTU

ons: _____

rial #: _____ 4.0 std.=_____ 7.0 std.=_____ 10.0 std. =_____

_____

uctivity Serial #: _____ _____umhos/cm=_____ _____umhos/cm=_____

ons: _____

ERAL INFORMATION:

er conditions @ time of sampling: _____

e Characteristics: _____

IENTS AND OBSERVATIONS: _____

_____

_____

_____

_____

_____

that sampling procedures were in accordance with all applicable EPA, State and Site-Specific

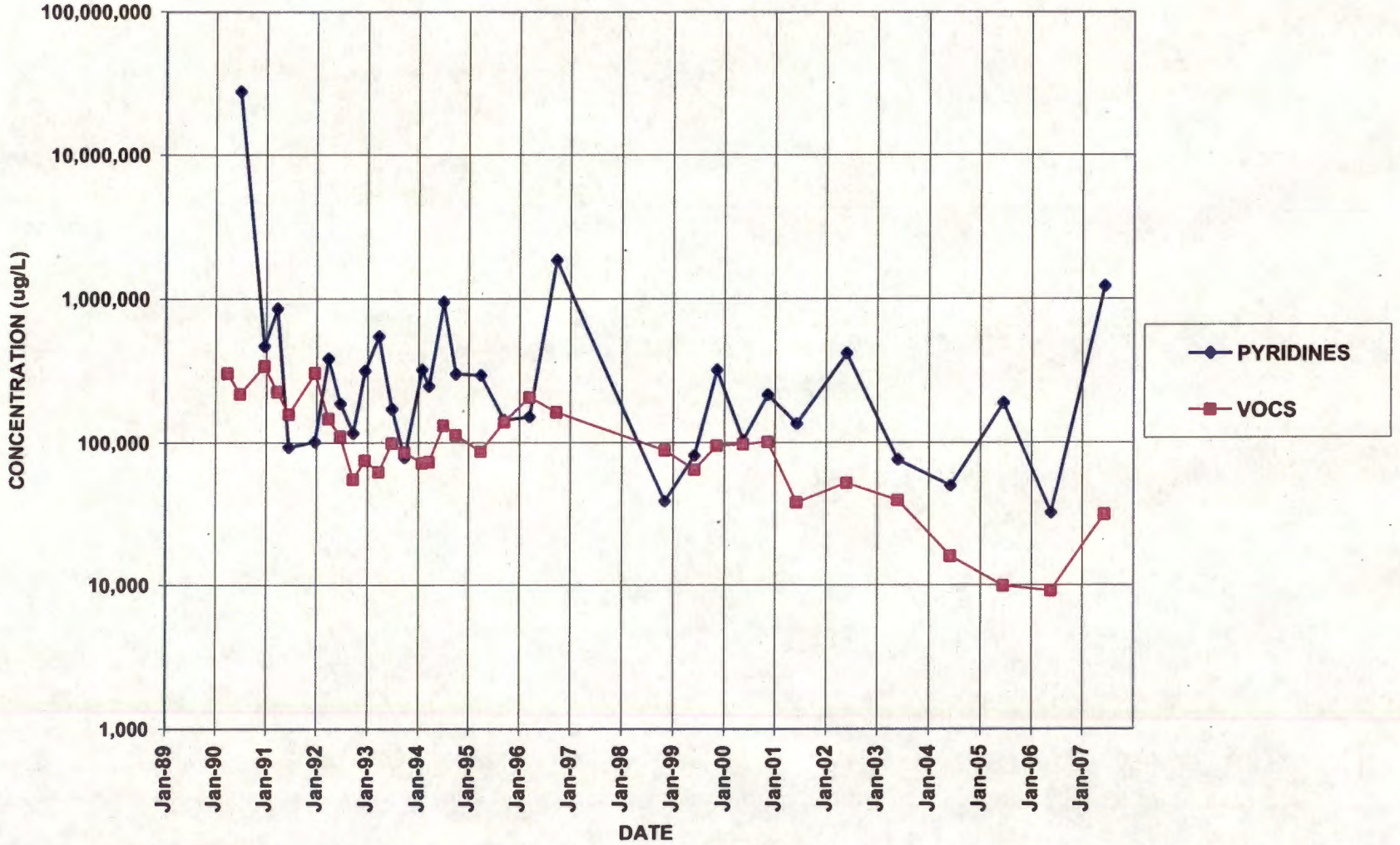
s.

__/ /__ By: _____ Company: _____

Appendix B

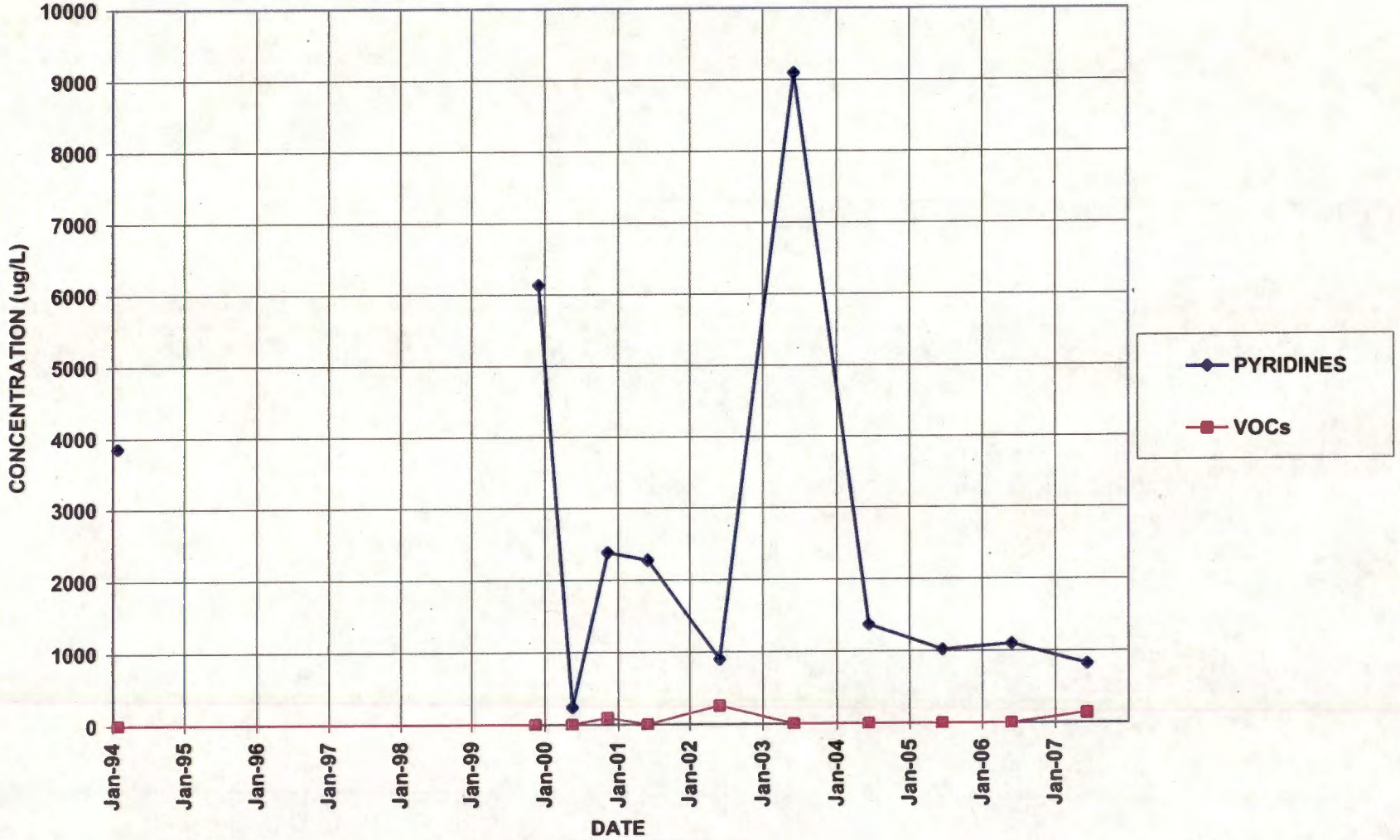
Well Trend Data

B-17



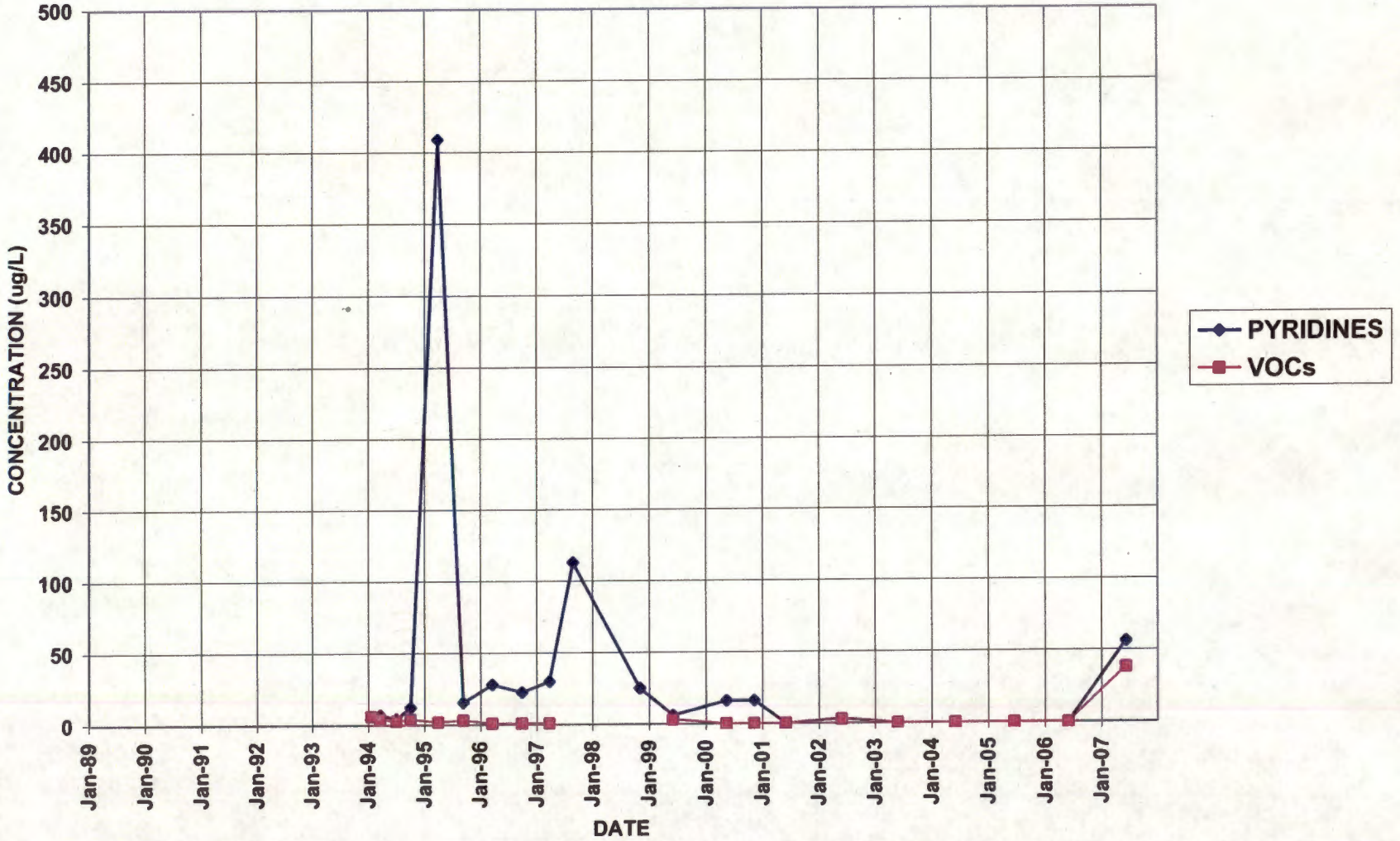
Prepared by: nmb
Reviewed by: jeb

B-7



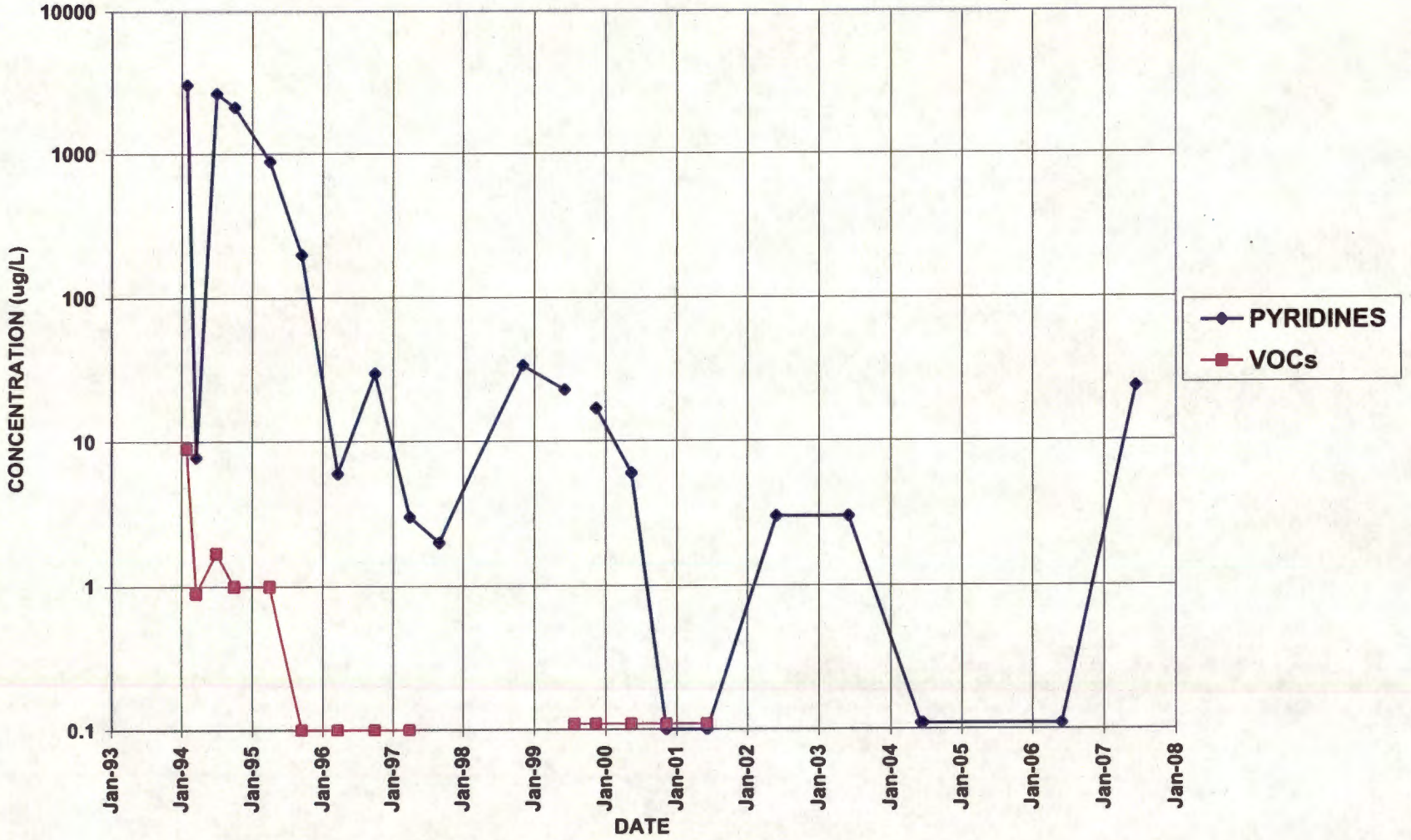
Prepared by: nmb
Reviewed by: jeb

BR-103

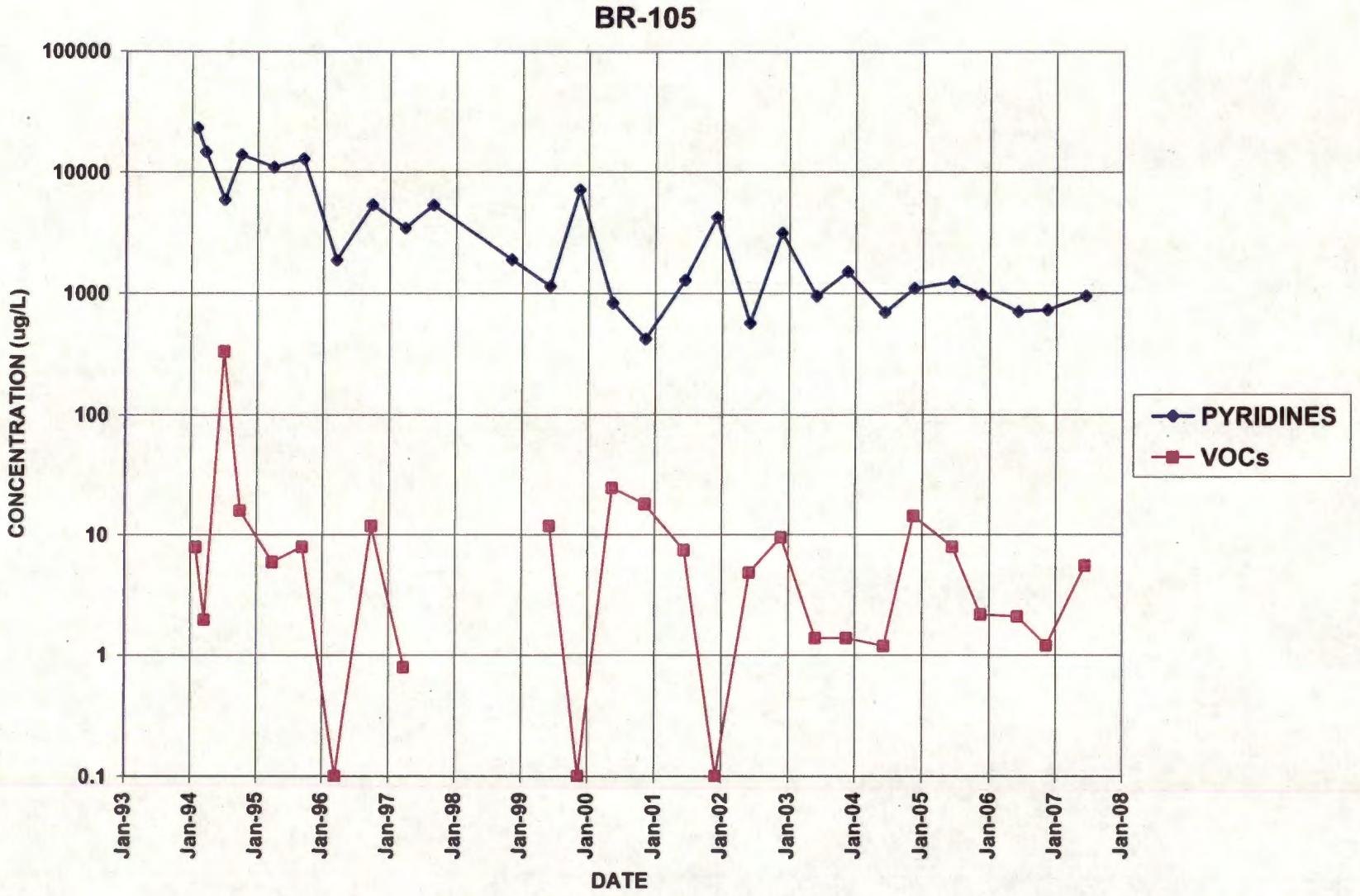


Prepared by: nmb
Reviewed by: jeb

BR-104

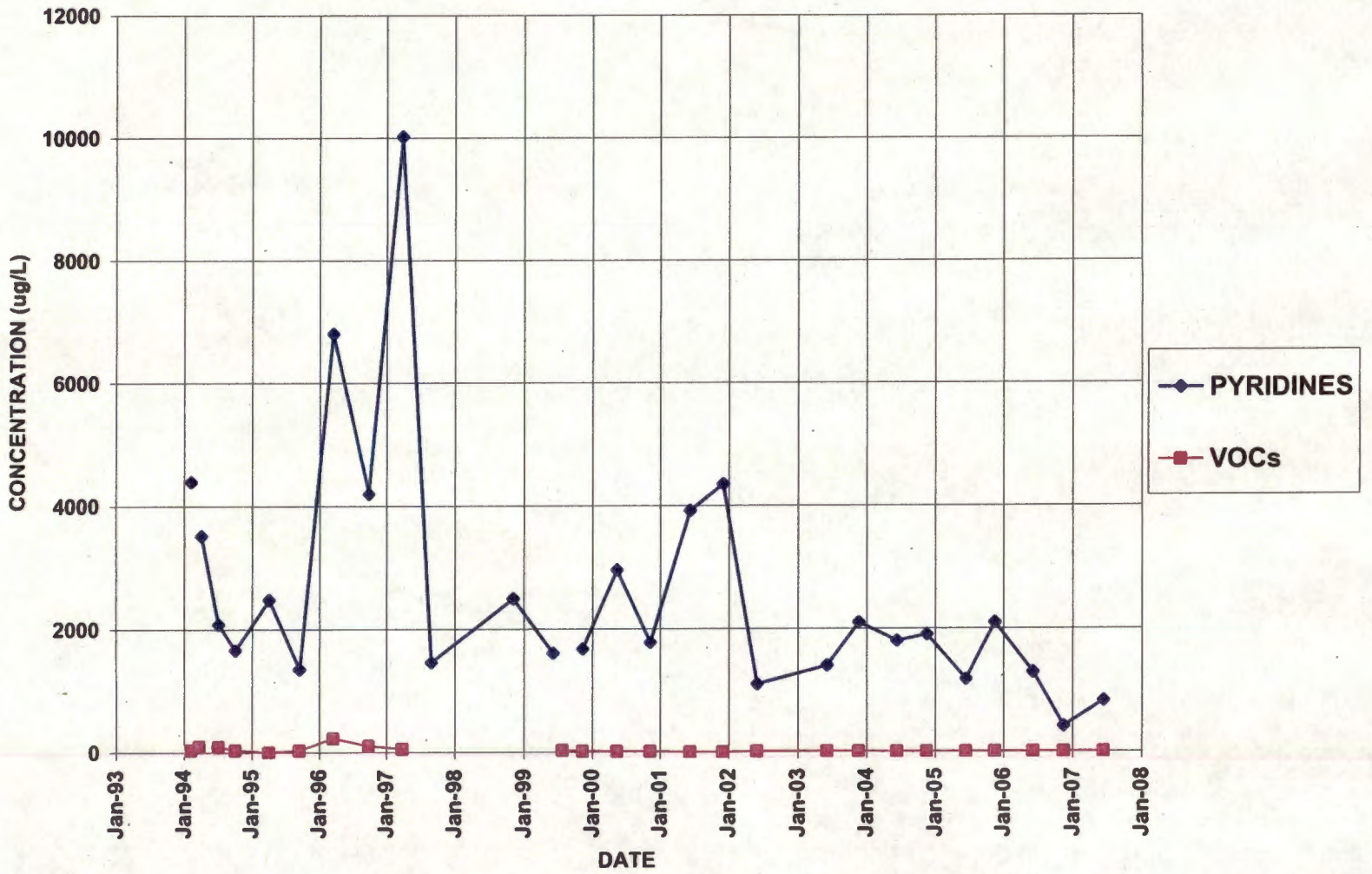


Prepared by: nmb
Reviewed by: jeb



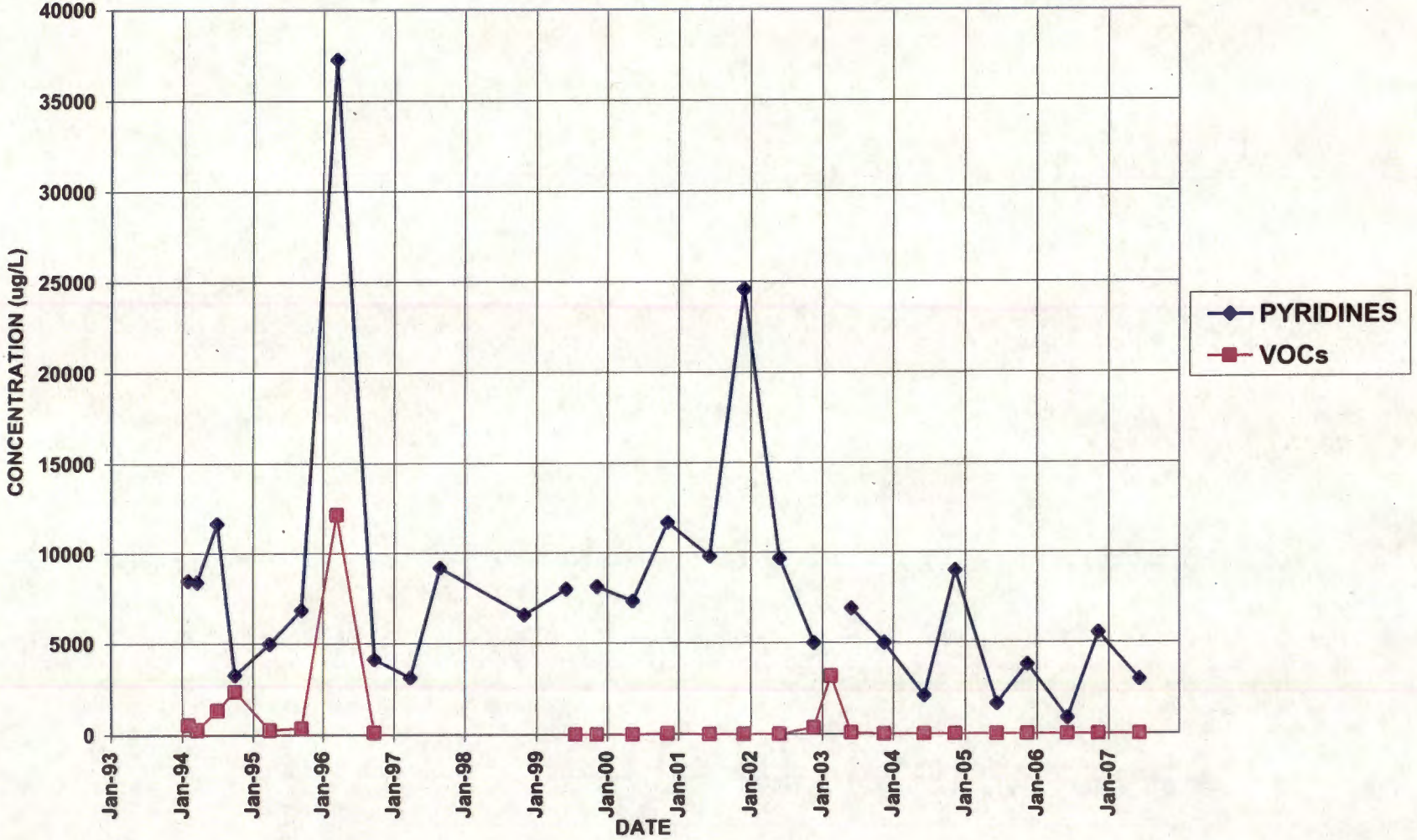
Prepared by: nmb
Reviewed by: jeb

BR-105D



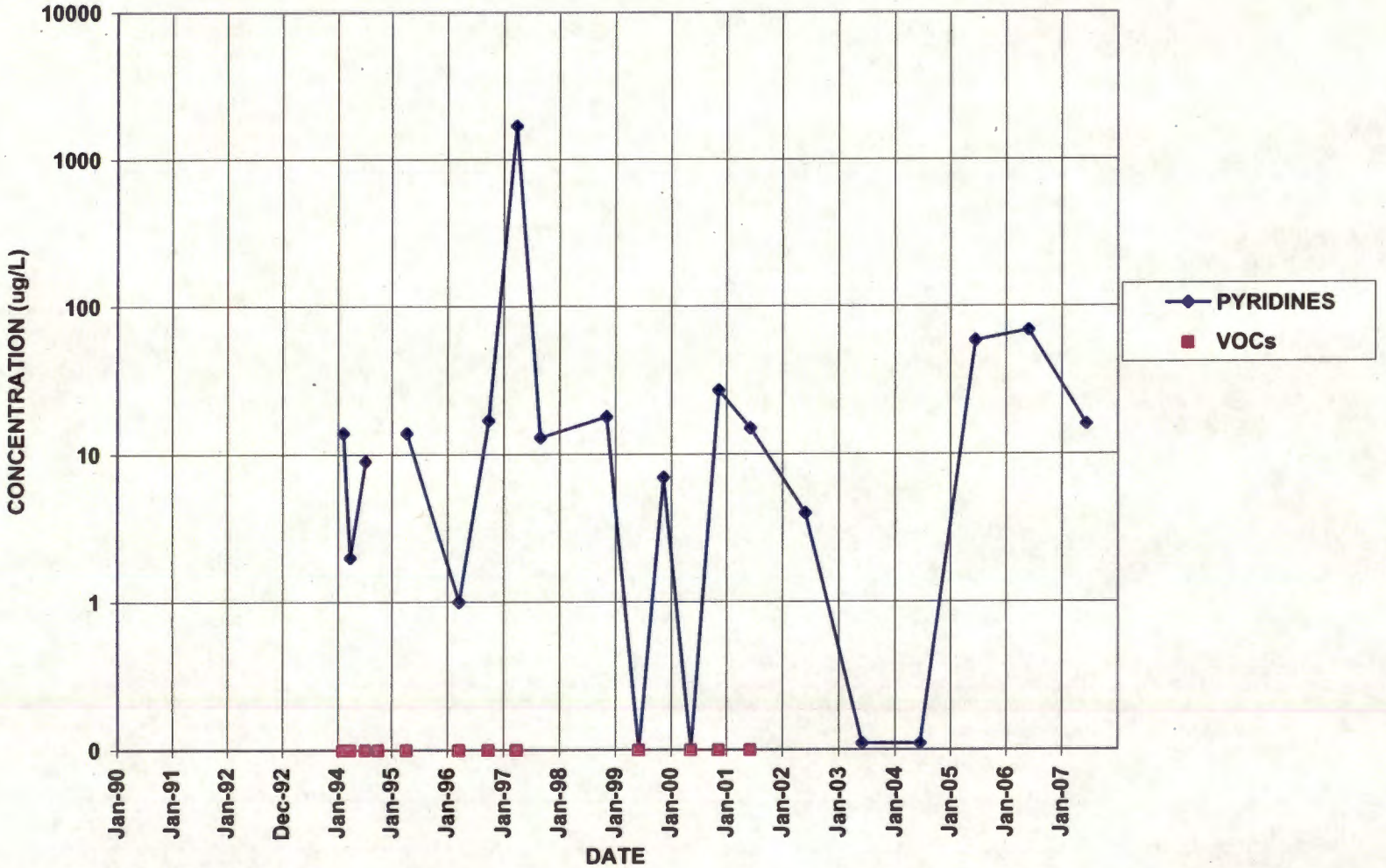
Prepared by: nmb
Reviewed by: jeb

BR-106



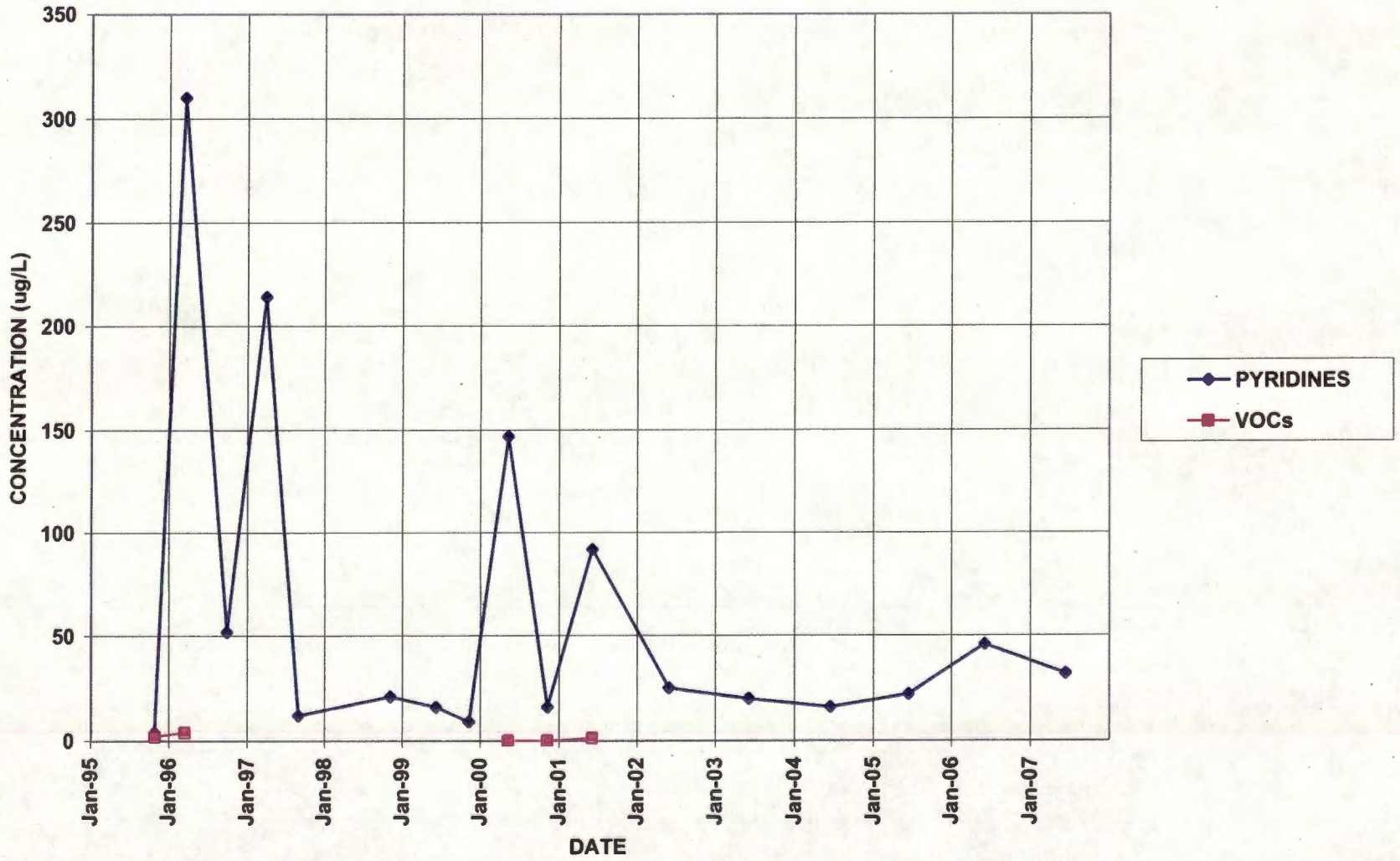
Prepared by: nmb
Reviewed by: jeb

BR-108



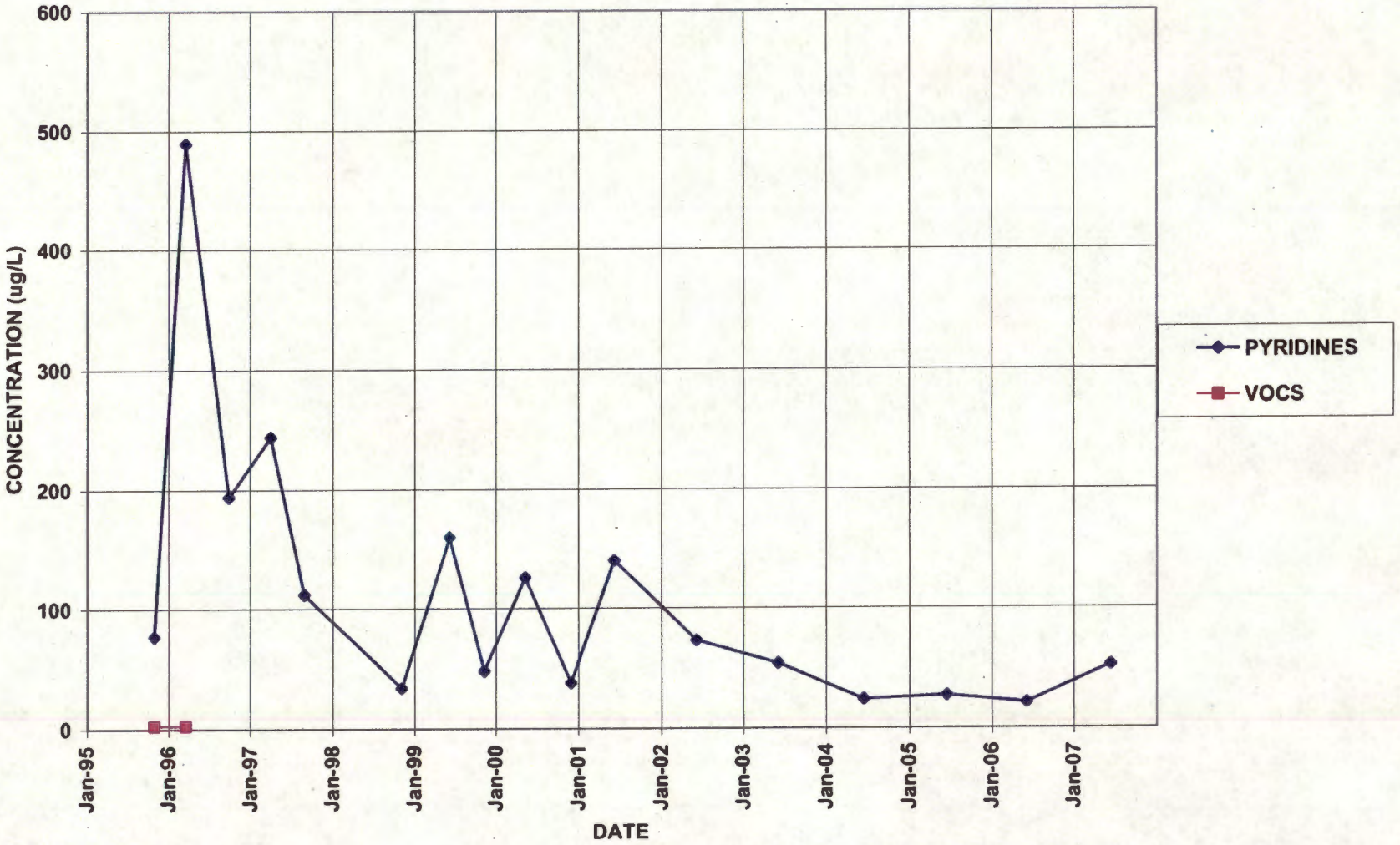
Prepared by: nmb
Reviewed by: jeb

BR-112D



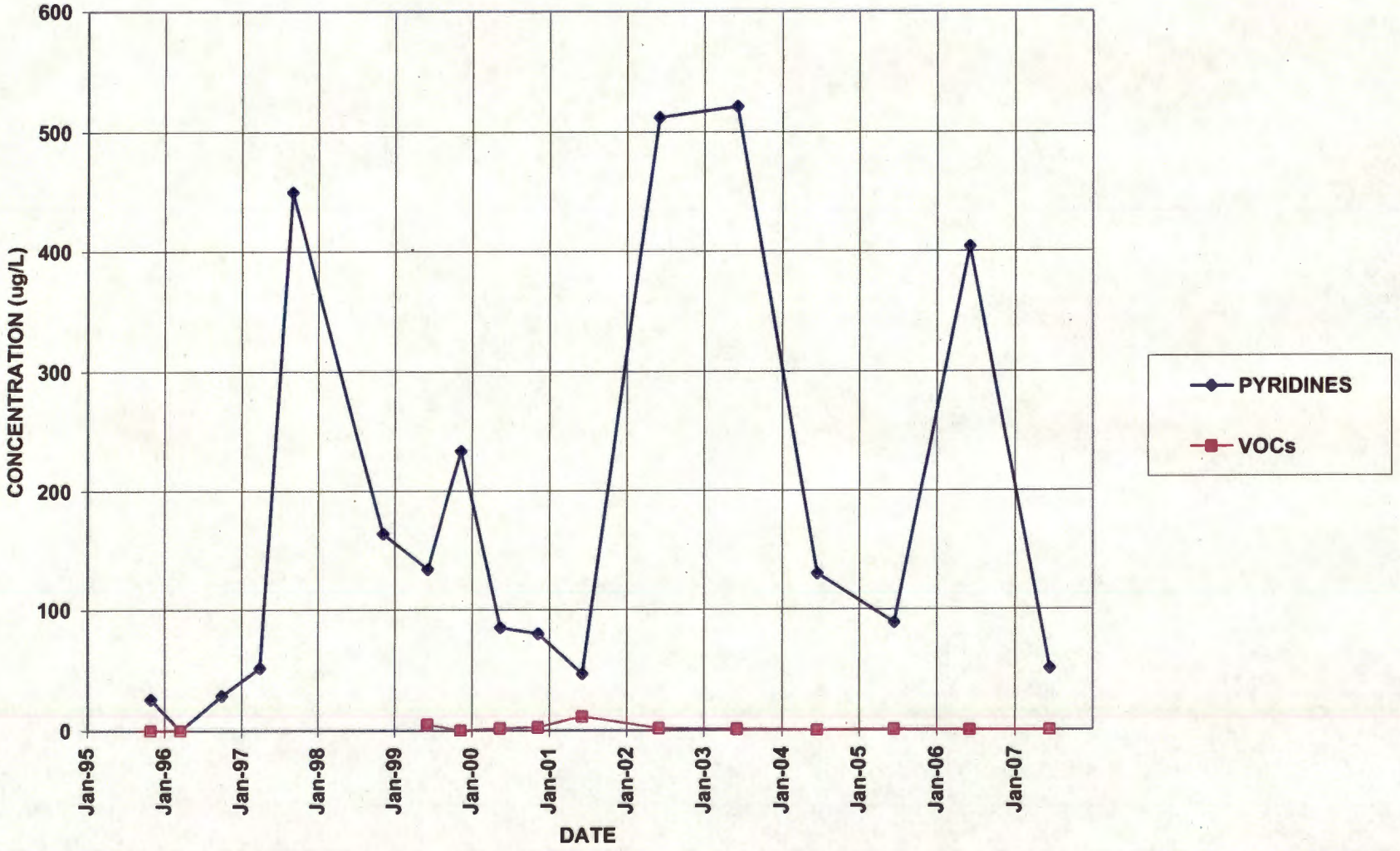
Prepared by: nmb
Reviewed by: jeb

BR-113D



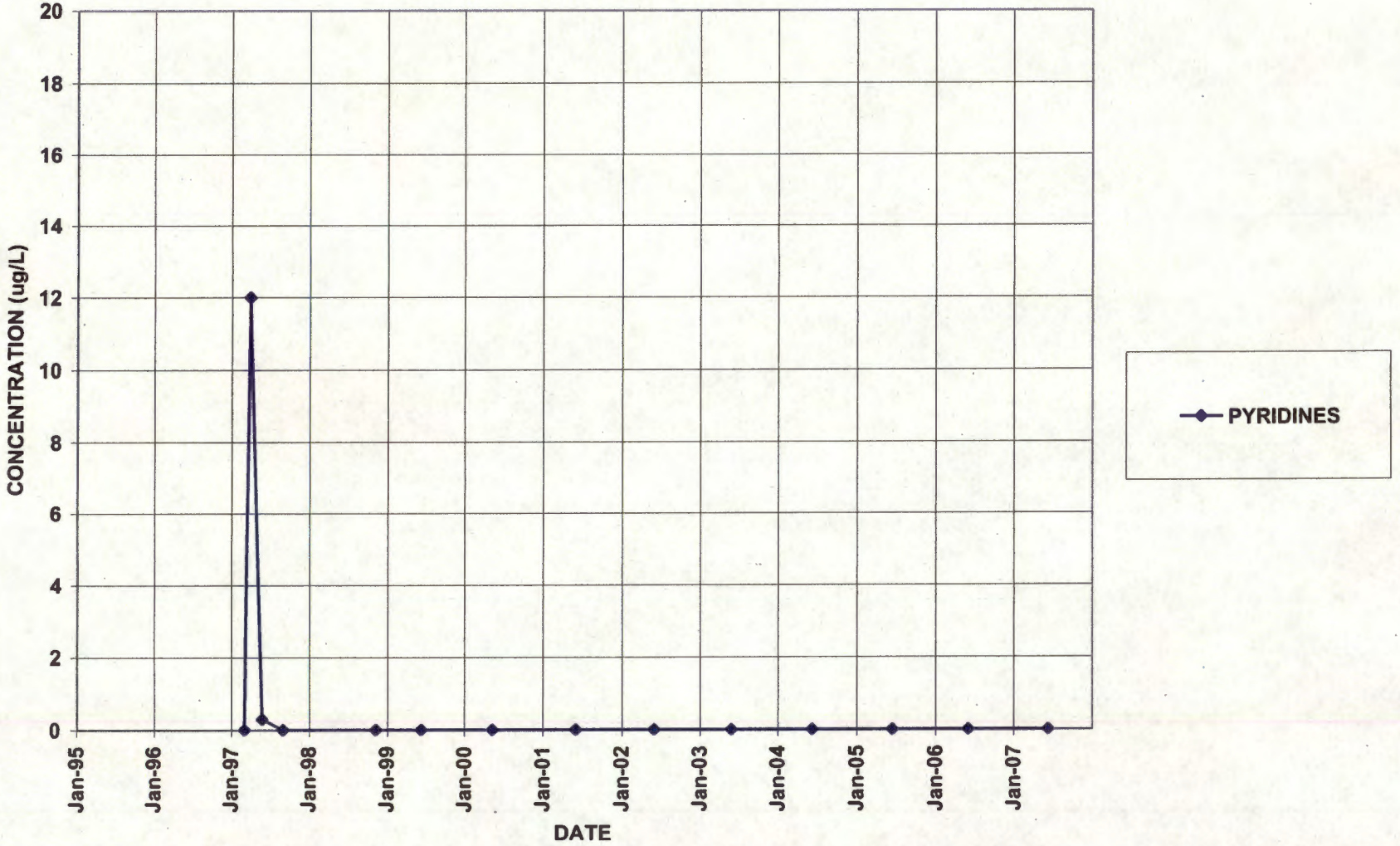
Prepared by: nmb
Reviewed by: jeb

BR-114



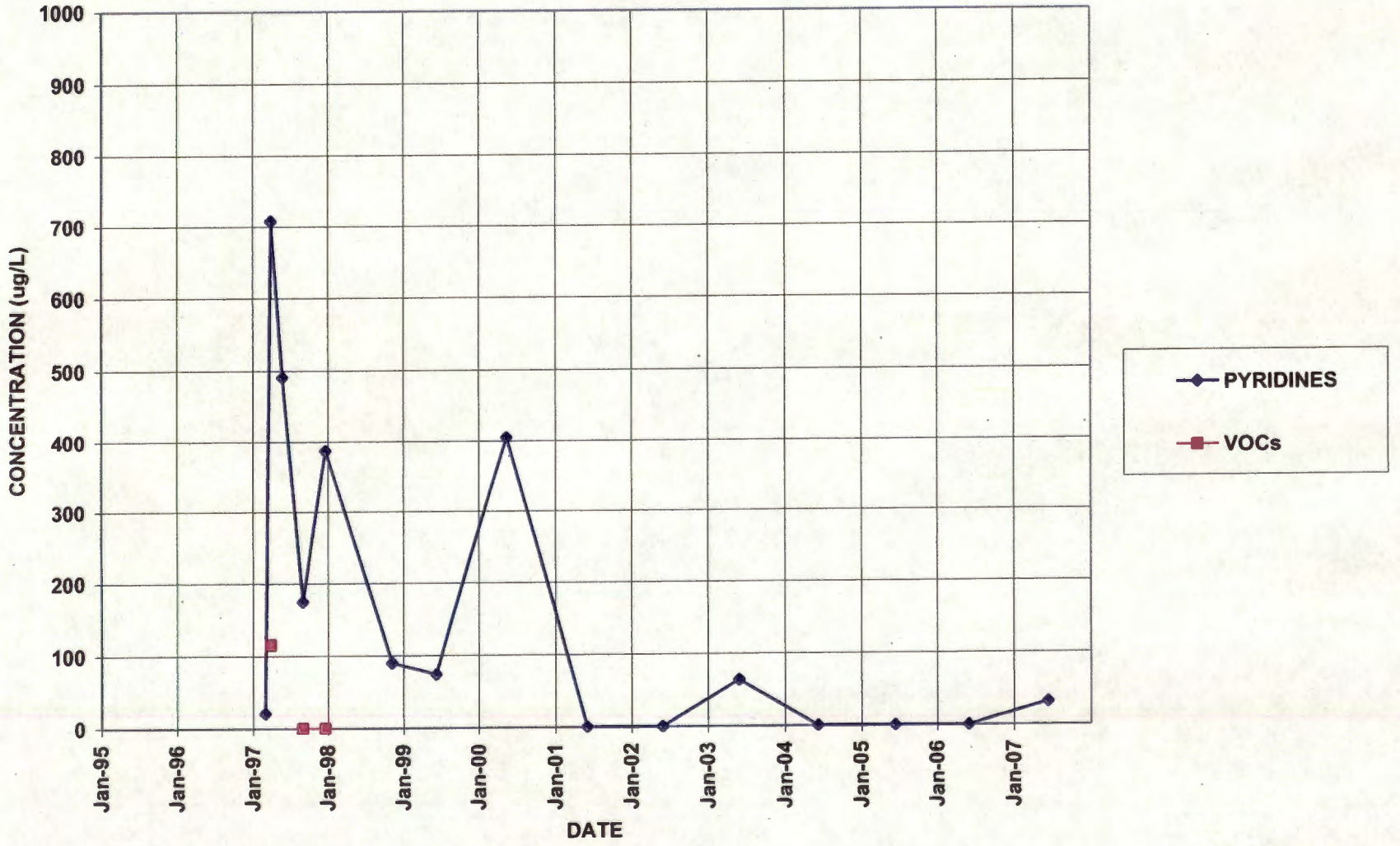
Prepared by: nmb
Reviewed by: jeb

BR-116



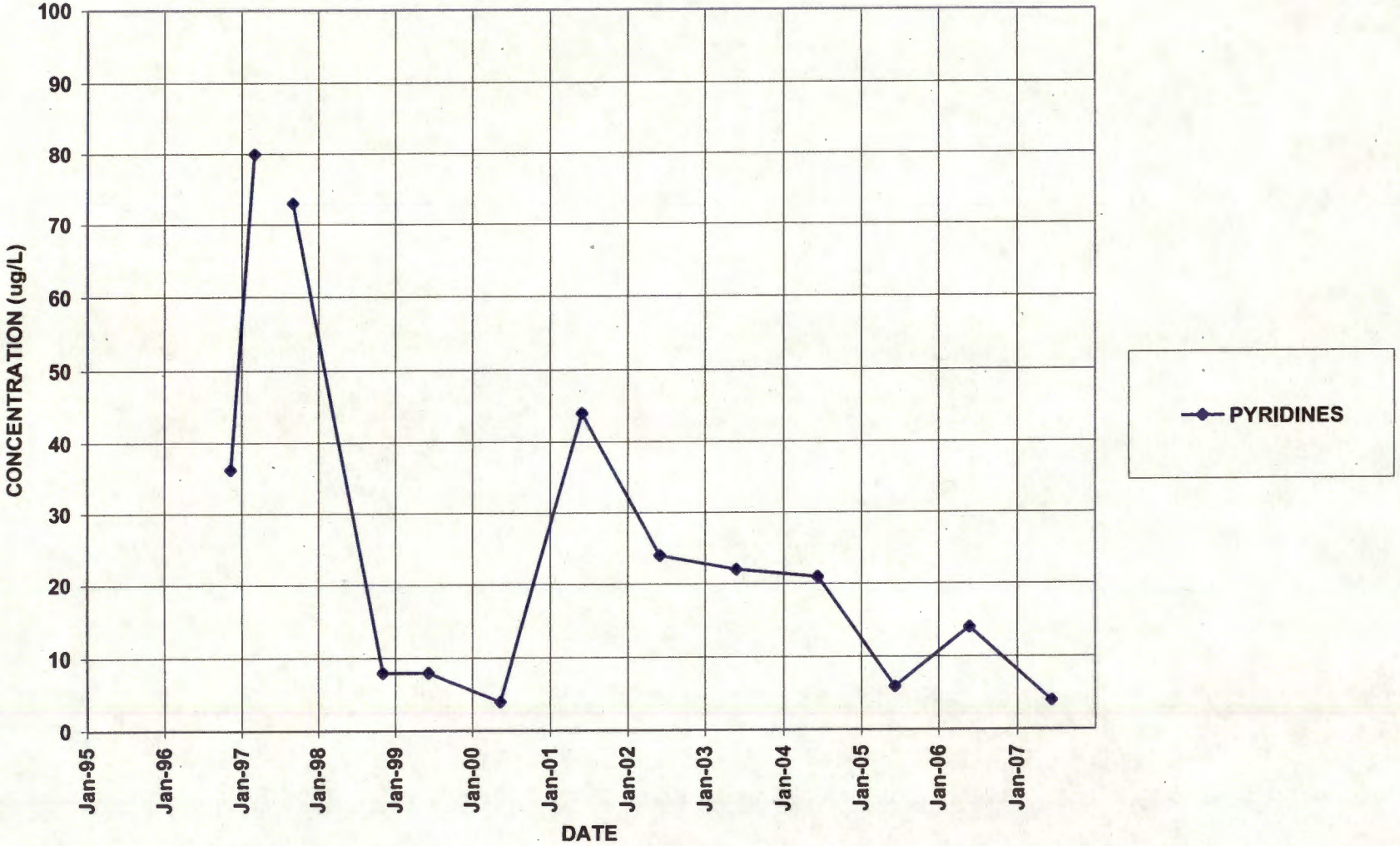
Prepared by: nmb
Reviewed by: jeb

BR-116D



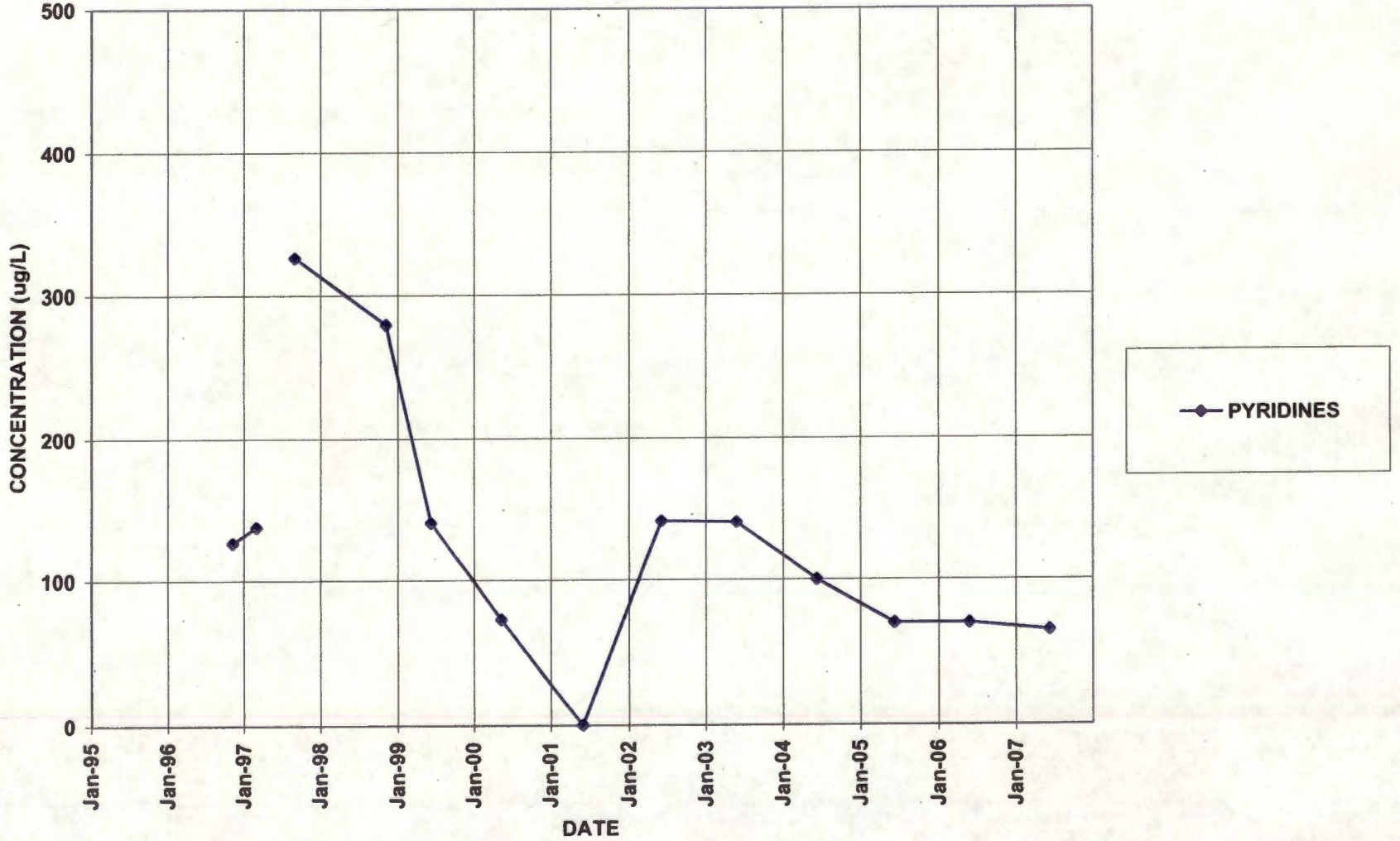
Prepared by: nmb
Reviewed by: jeb

BR-117D

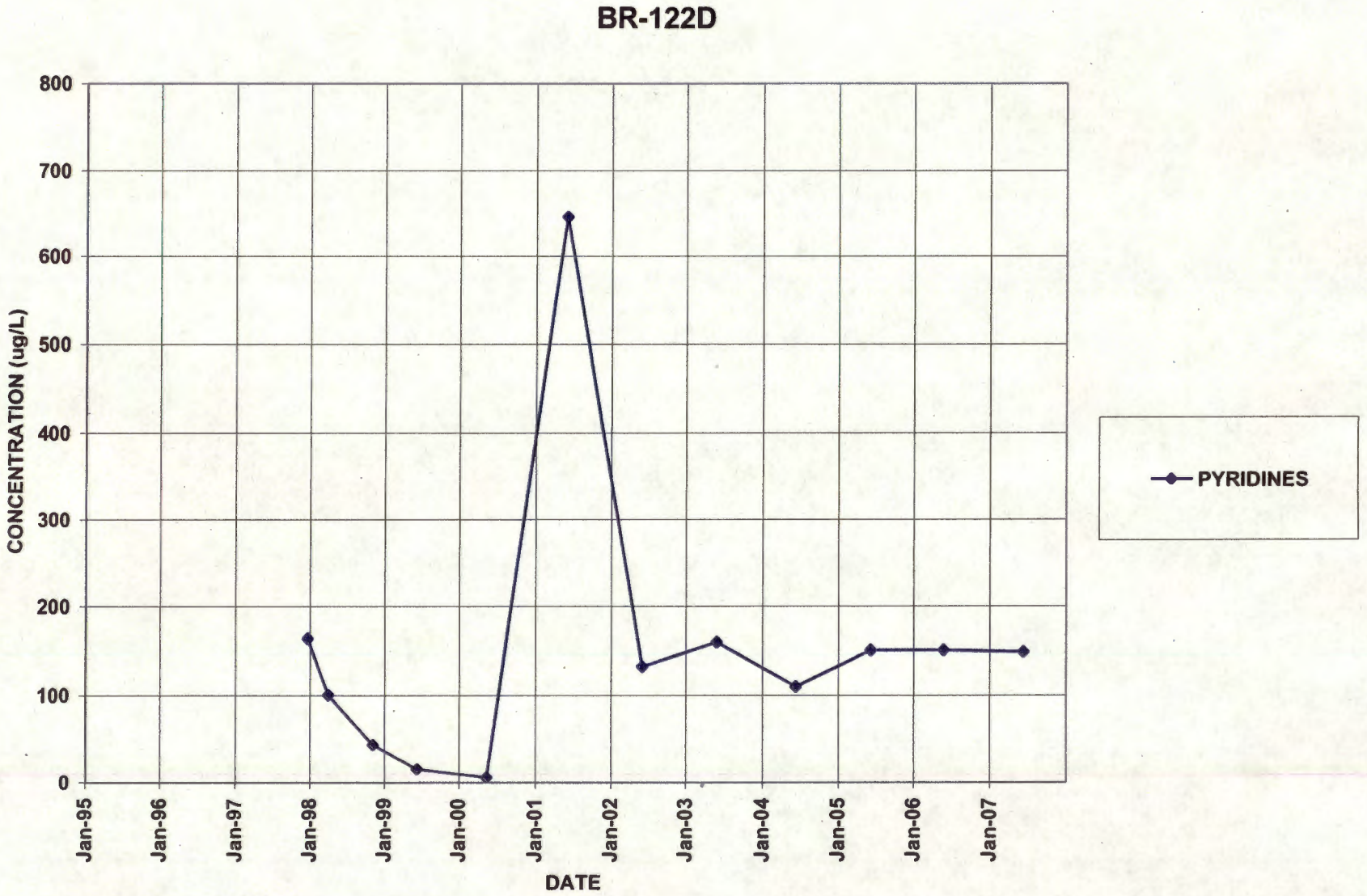


Prepared by: nmb
Reviewed by: jeb

BR-118D

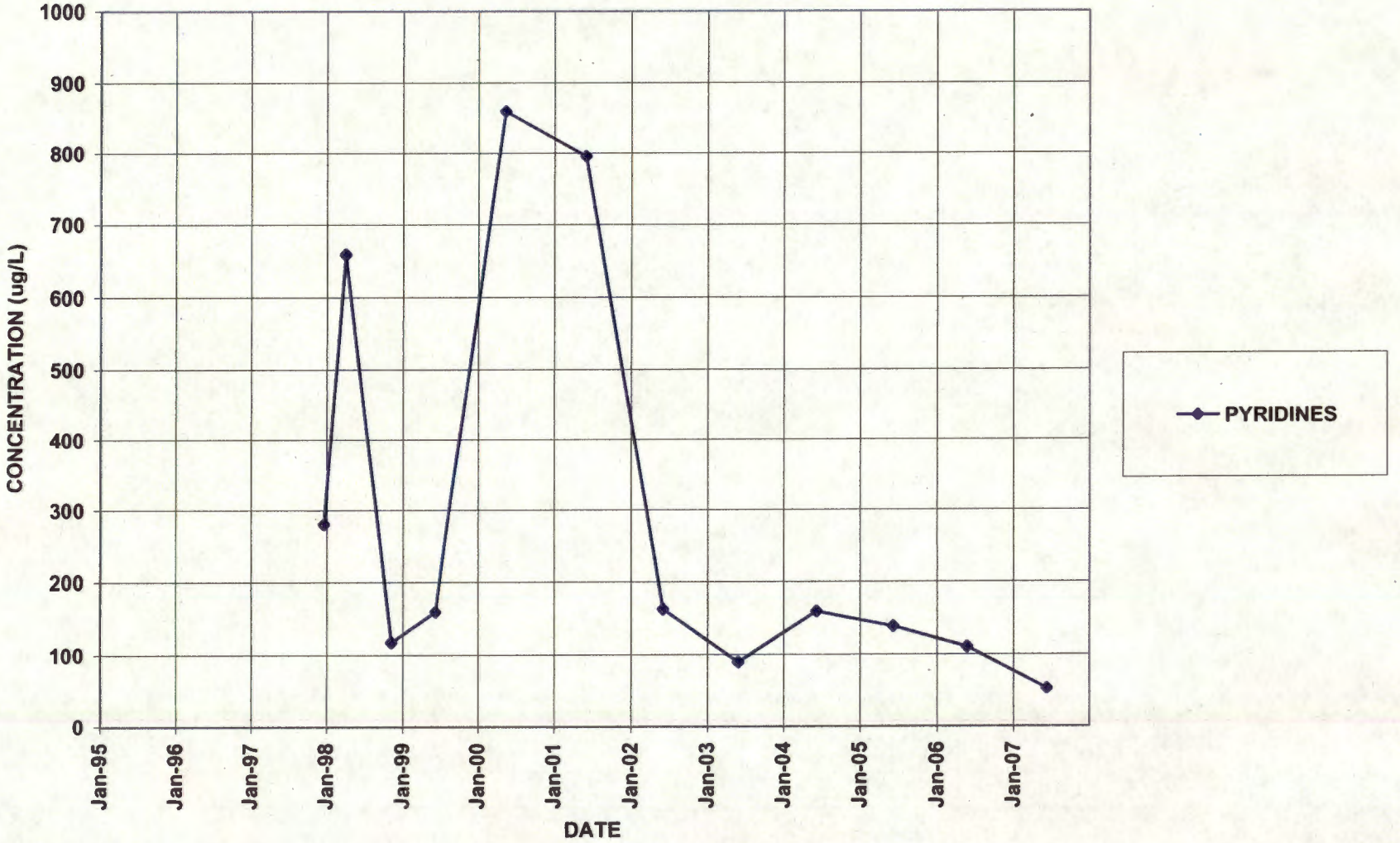


Prepared by: nmb
Reviewed by: jeb



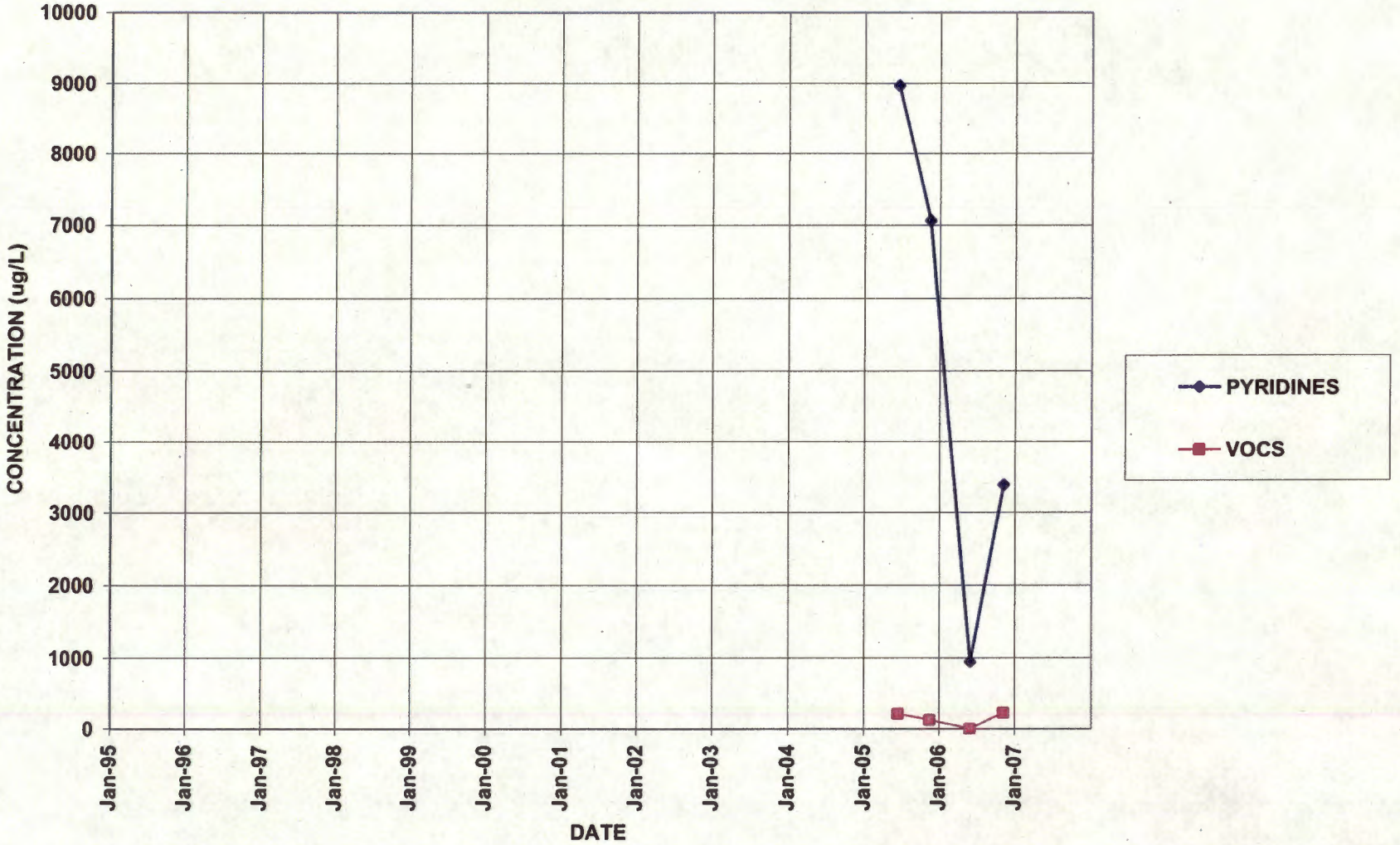
Prepared by: nmb
Reviewed by: jeb

BR-123D



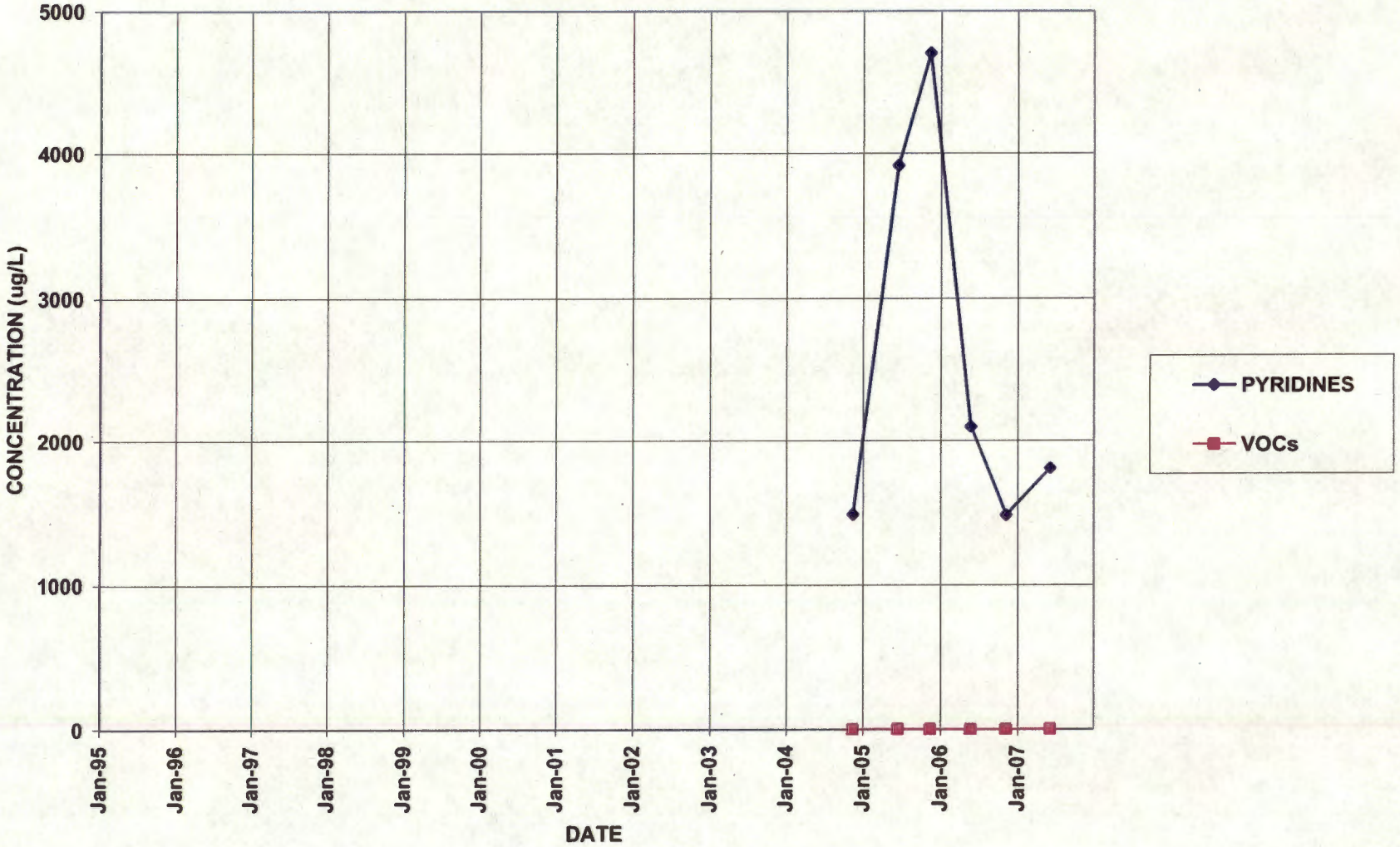
Prepared by: nmb
Reviewed by: jeb

BR-126

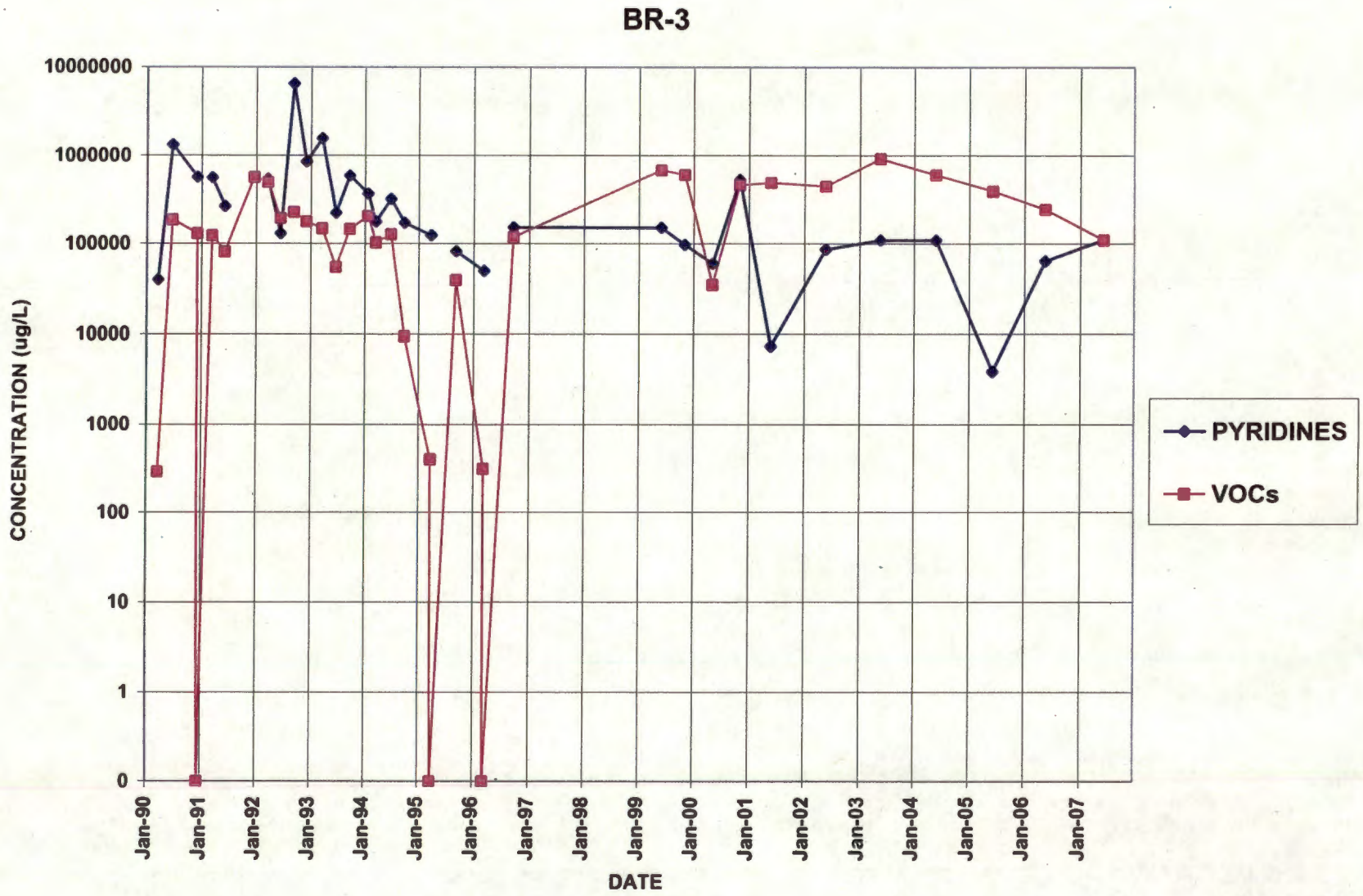


Prepared by: nmb
Reviewed by: jeb

BR-127

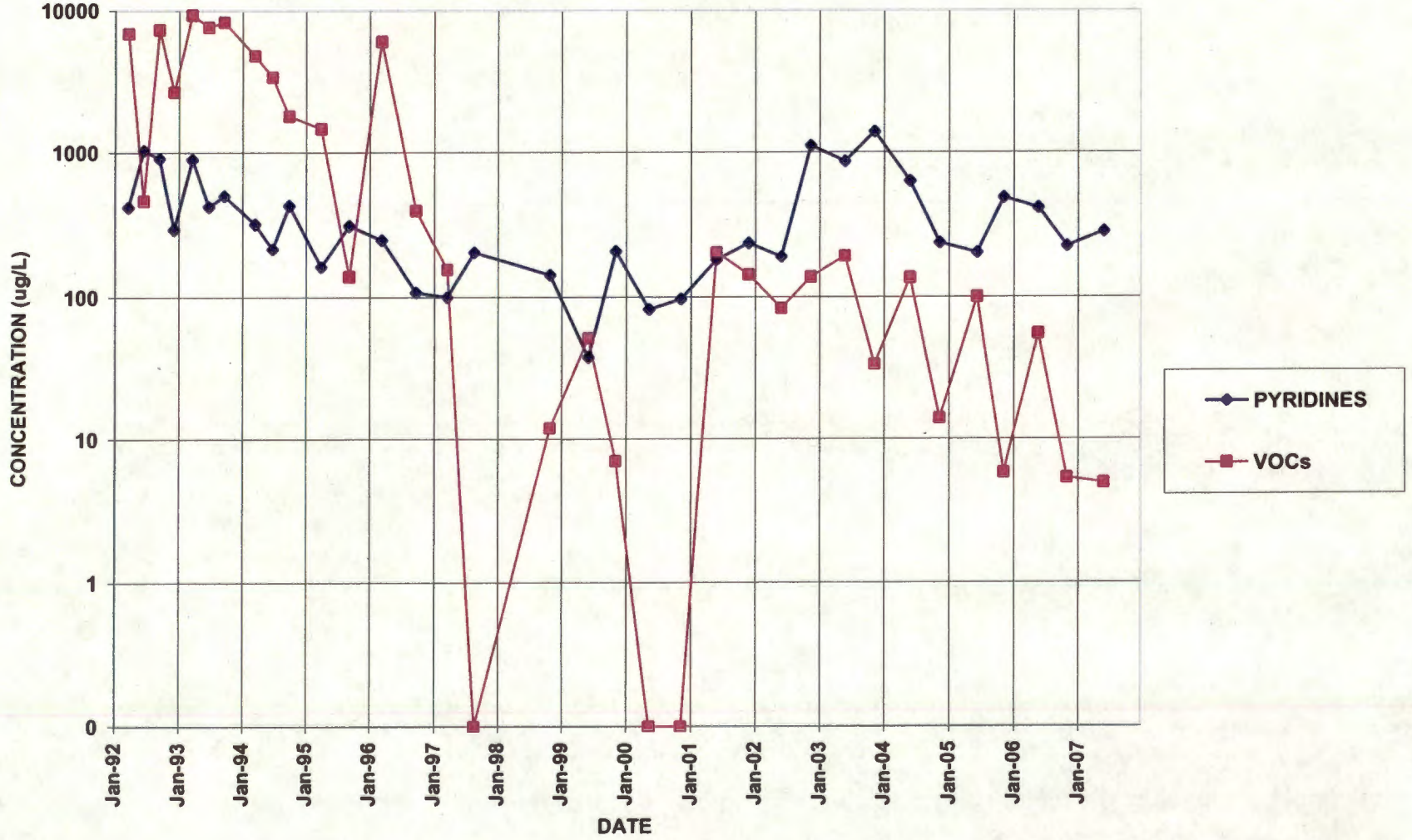


Prepared by: nmb
Reviewed by: jeb



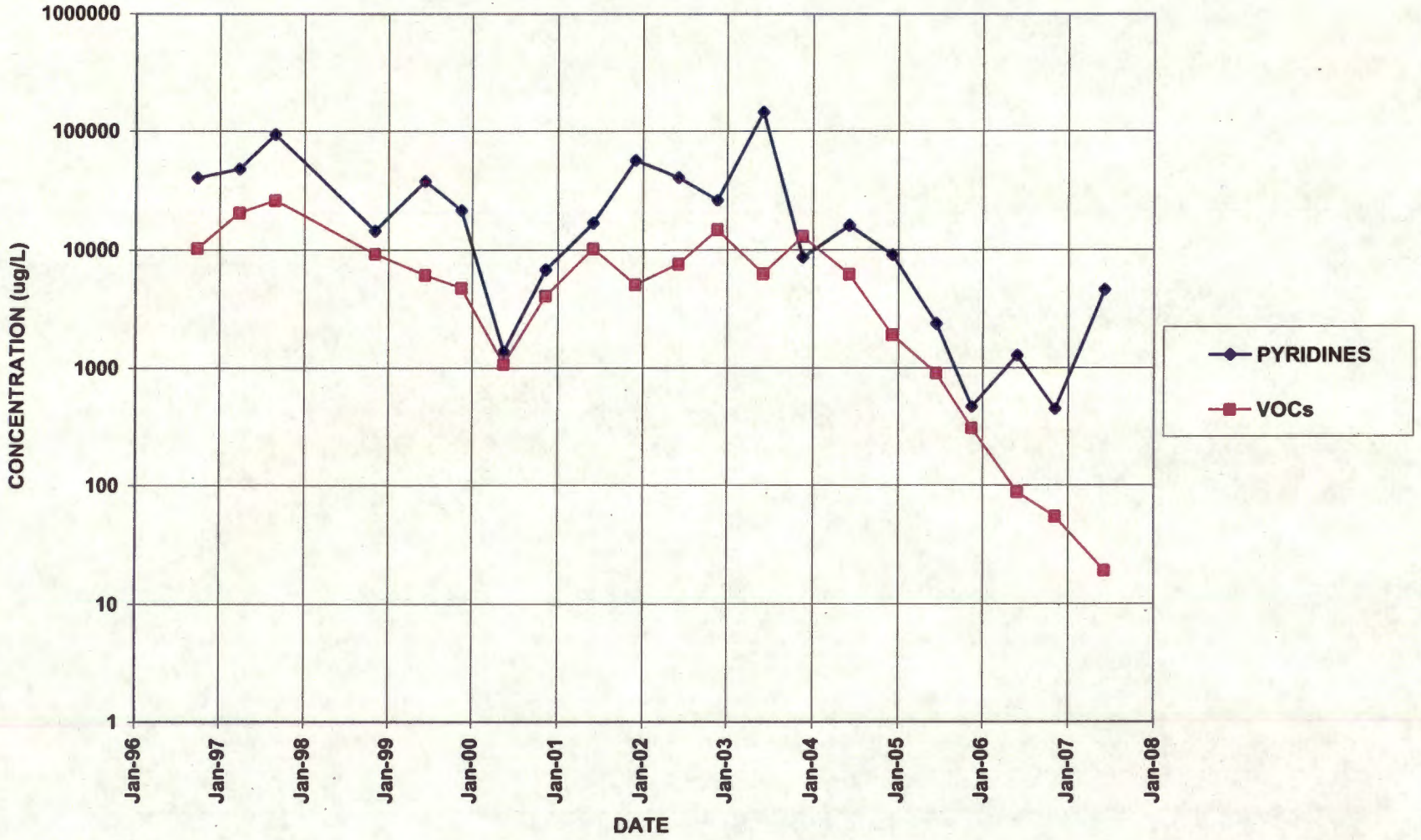
Prepared by: nmb
Reviewed by: jeb

BR-5A

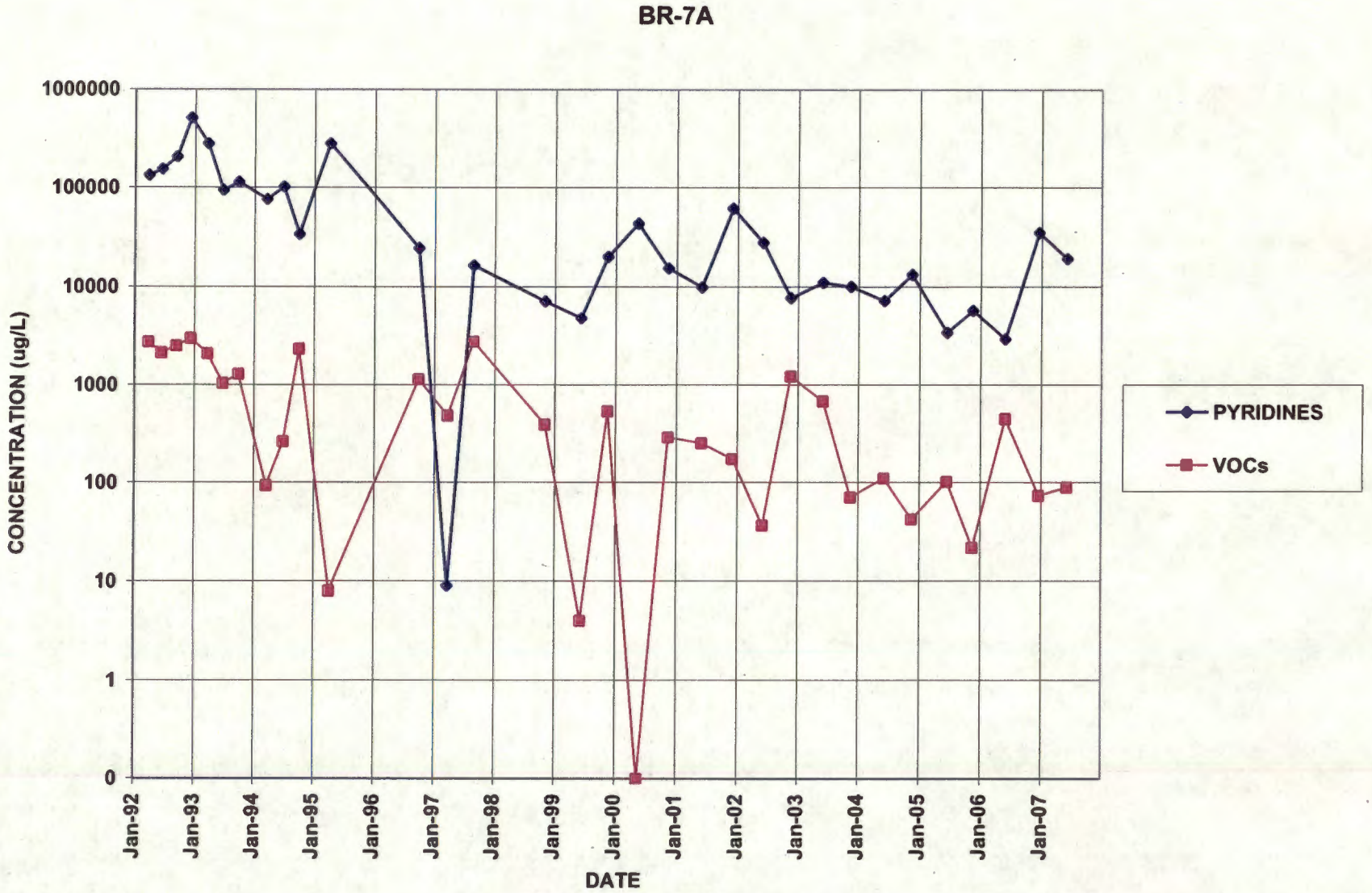


Prepared by: nmb
Reviewed by: jeb

BR-6A

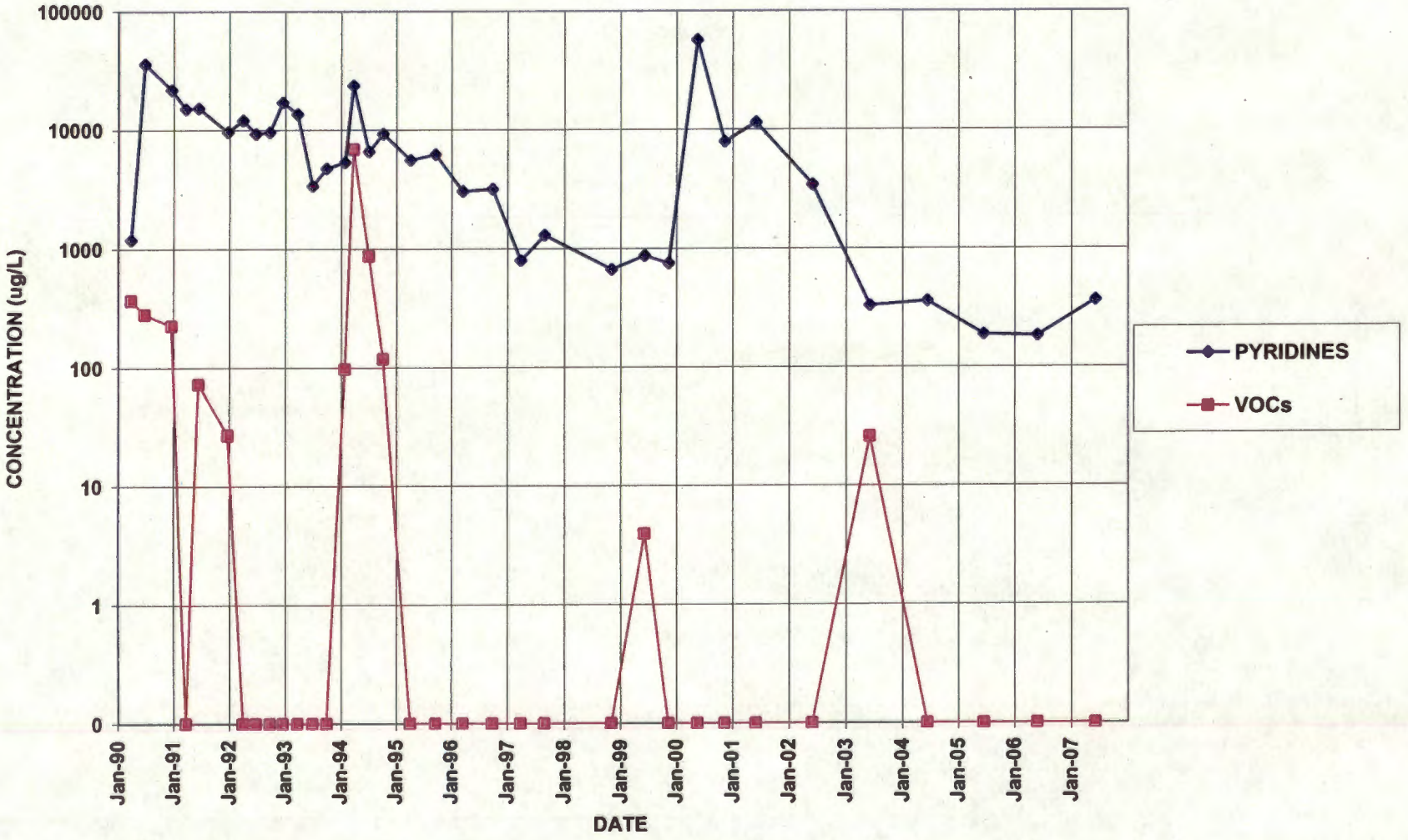


Prepared by: nmb
Reviewed by: jeb



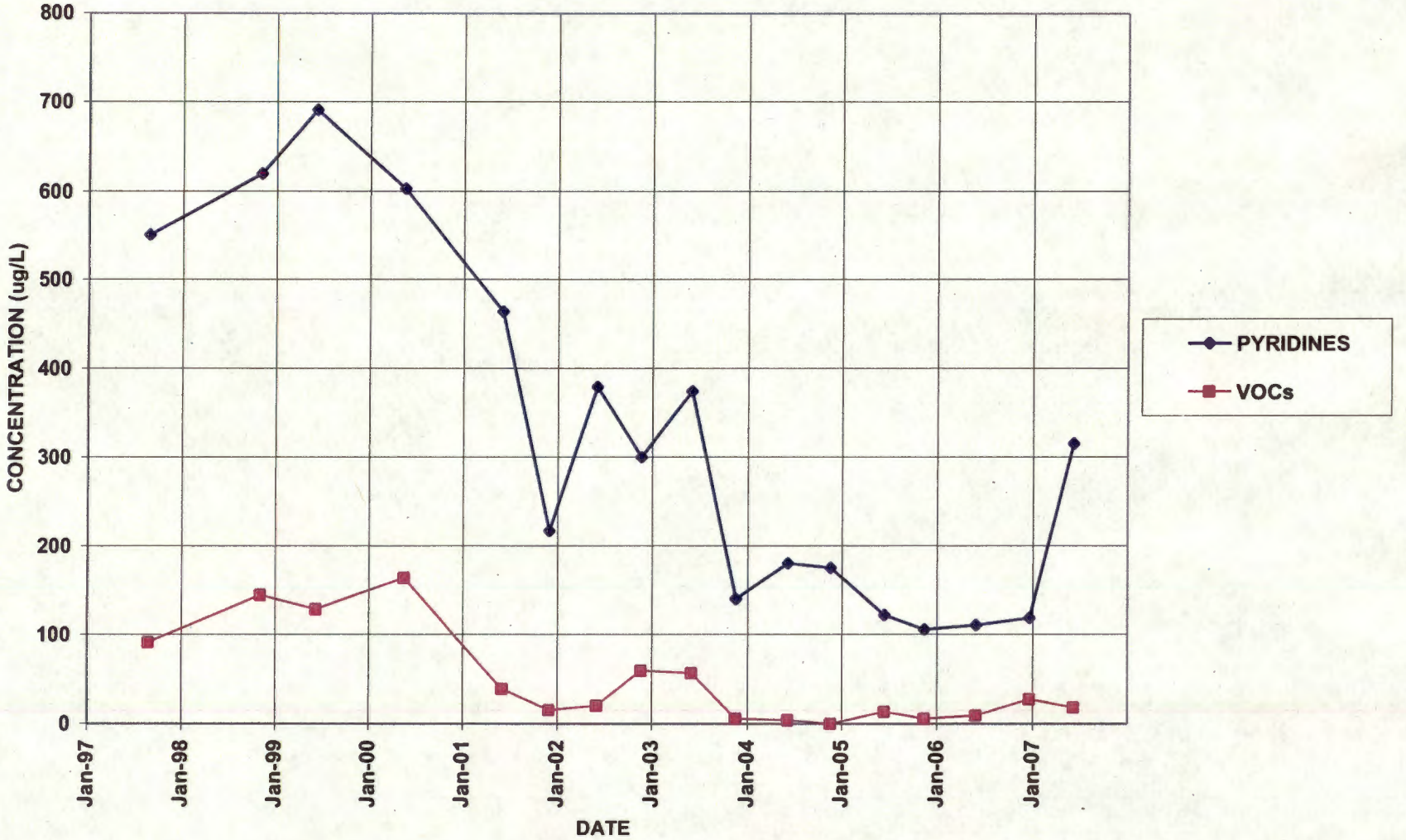
Prepared by: nmb
Reviewed by: jeb

BR-8



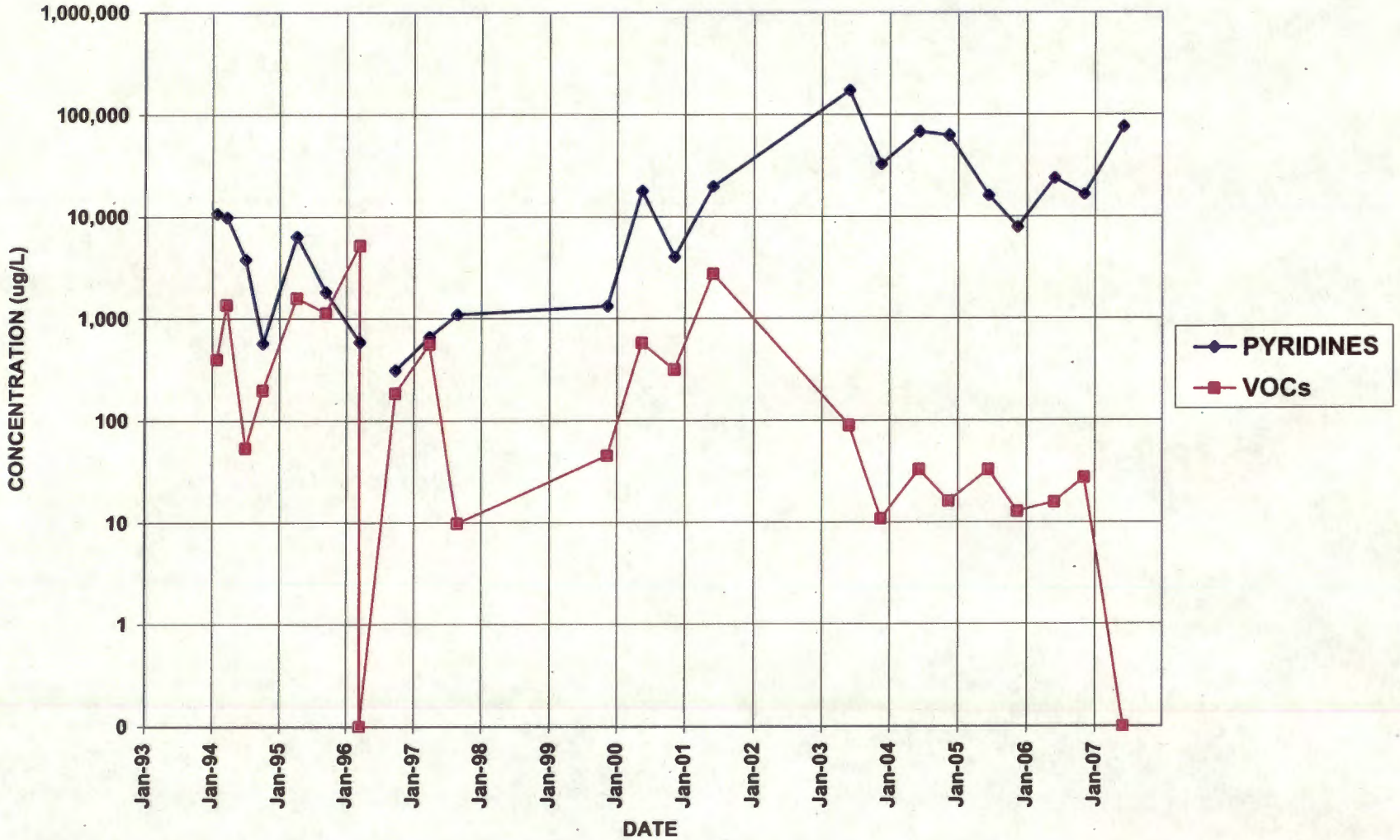
Prepared by: nmb
Reviewed by: jeb

BR-9



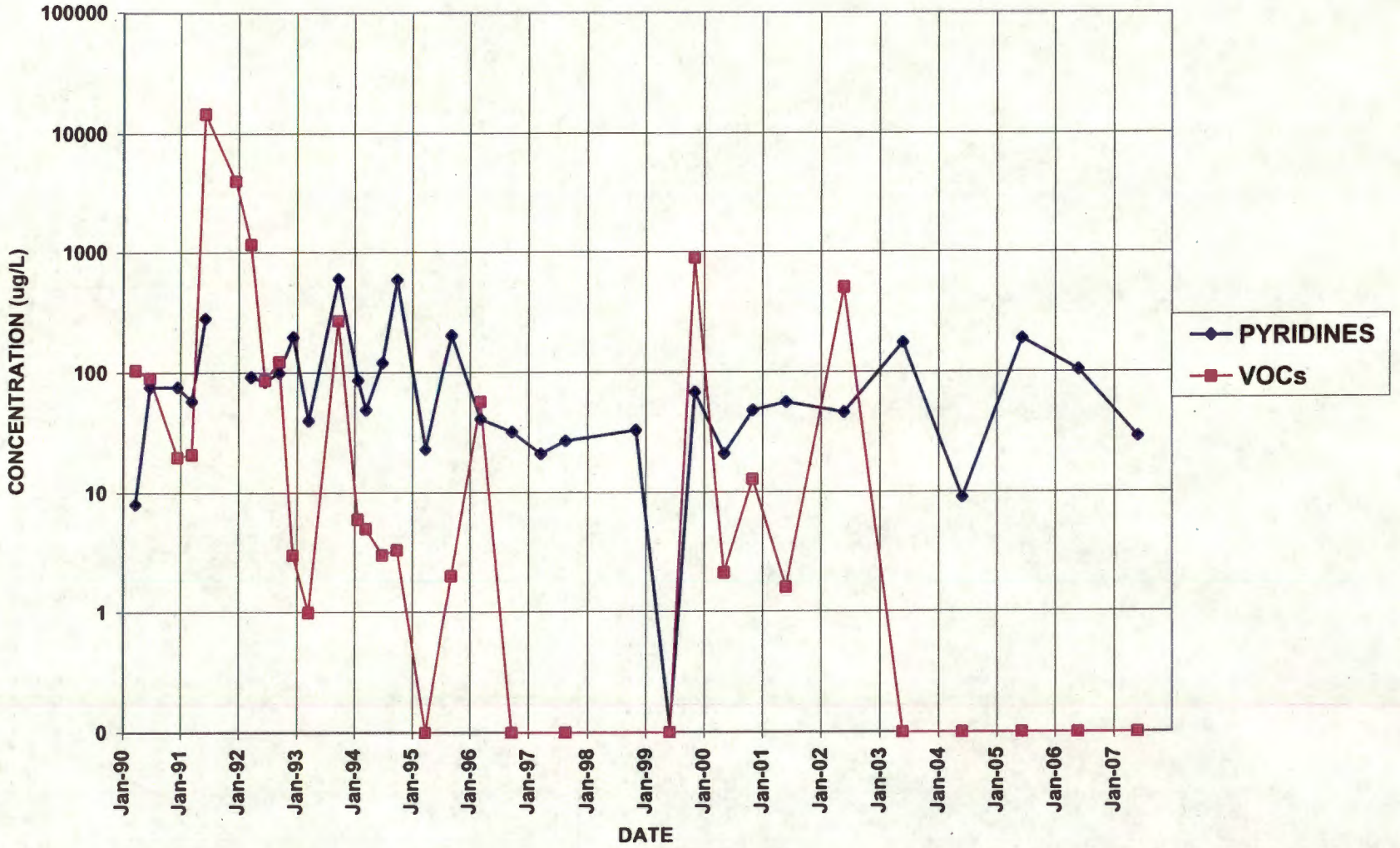
Prepared by: nmb
Reviewed by: jeb

E-1



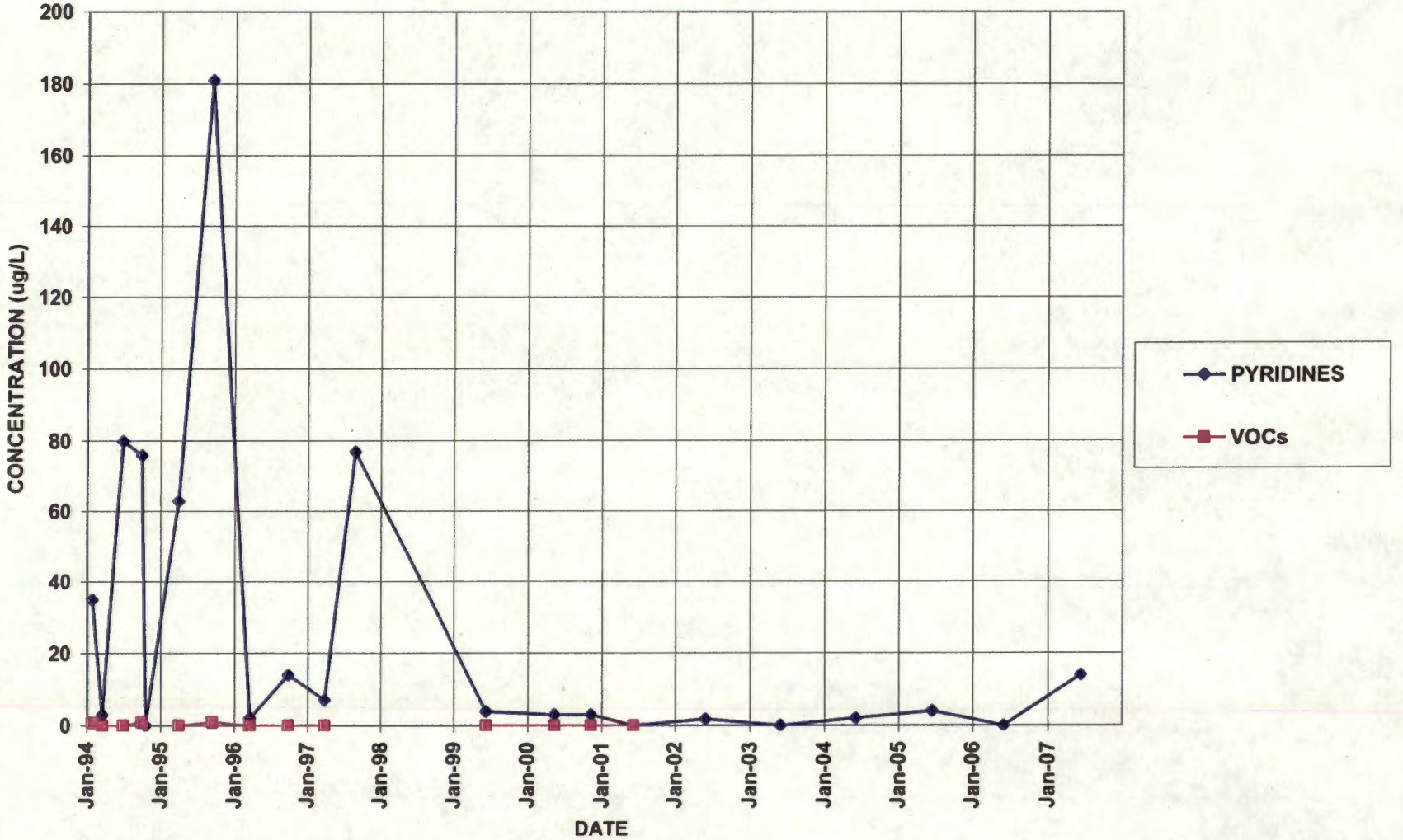
Prepared by: nmb
Reviewed by: jeb

E-3



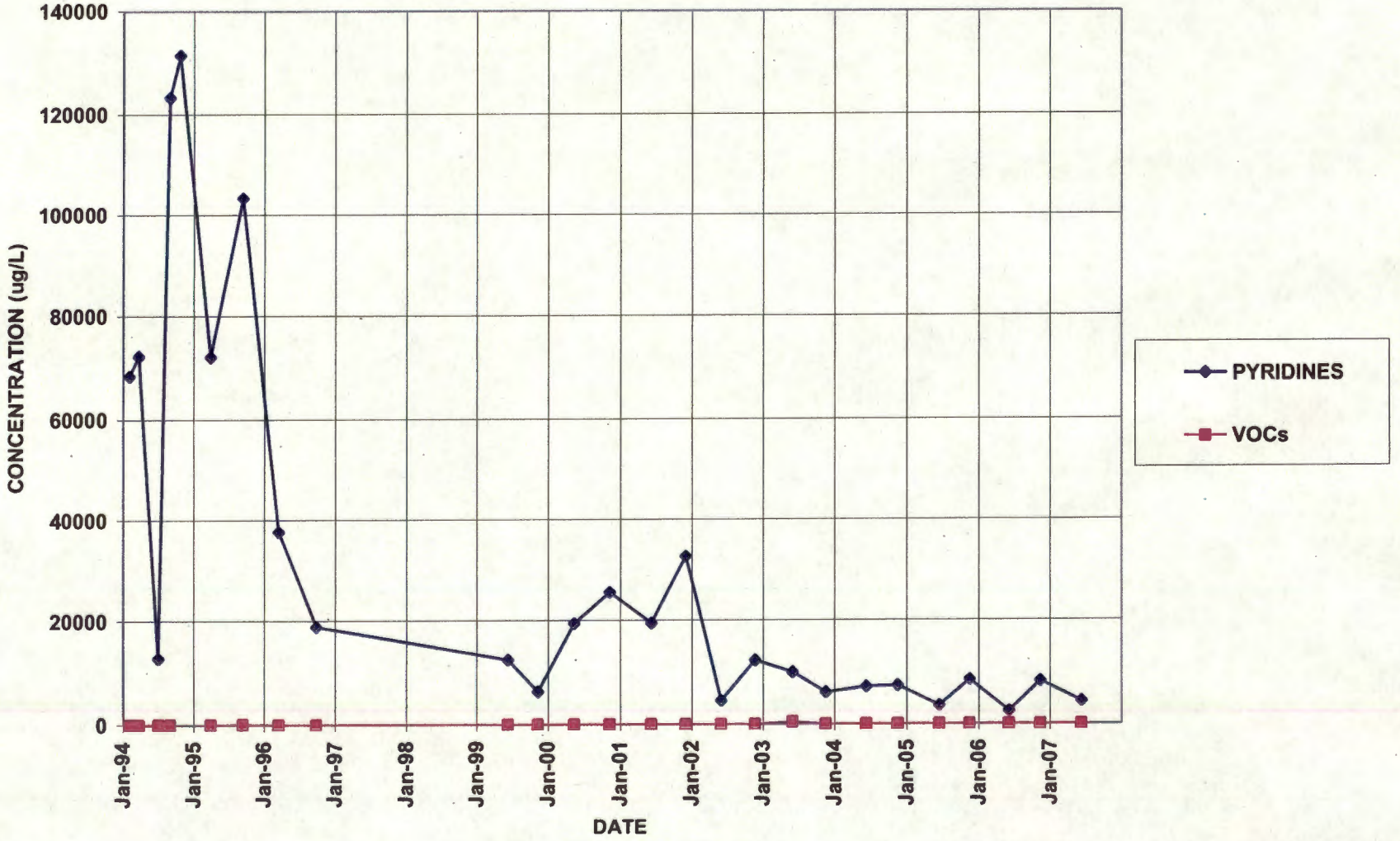
Prepared by: nmb
Reviewed by: jeb

MW-104



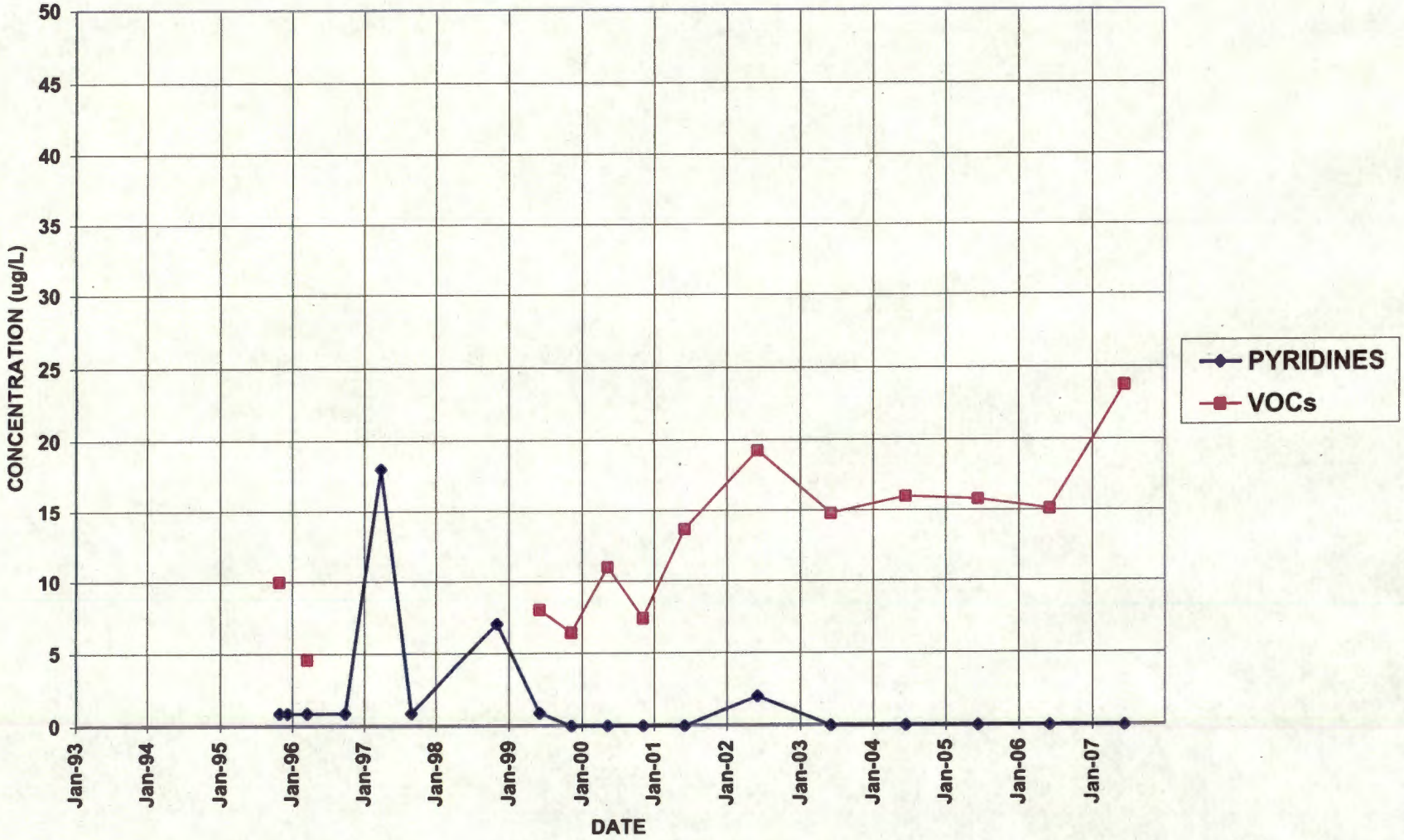
Prepared by: nmb
Reviewed by: jeb

MW-106



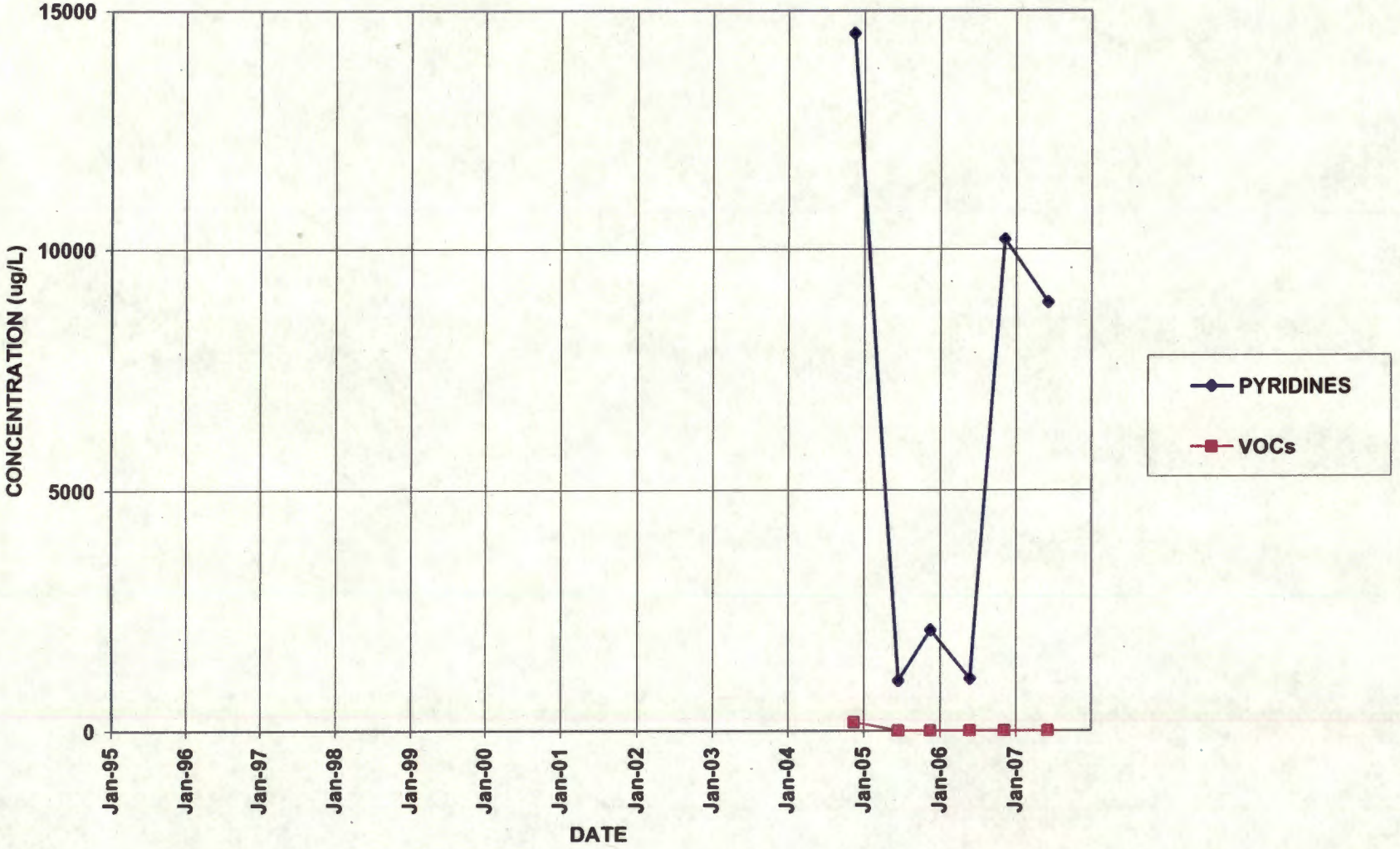
Prepared by: nmb
Reviewed by: jeb

MW-114



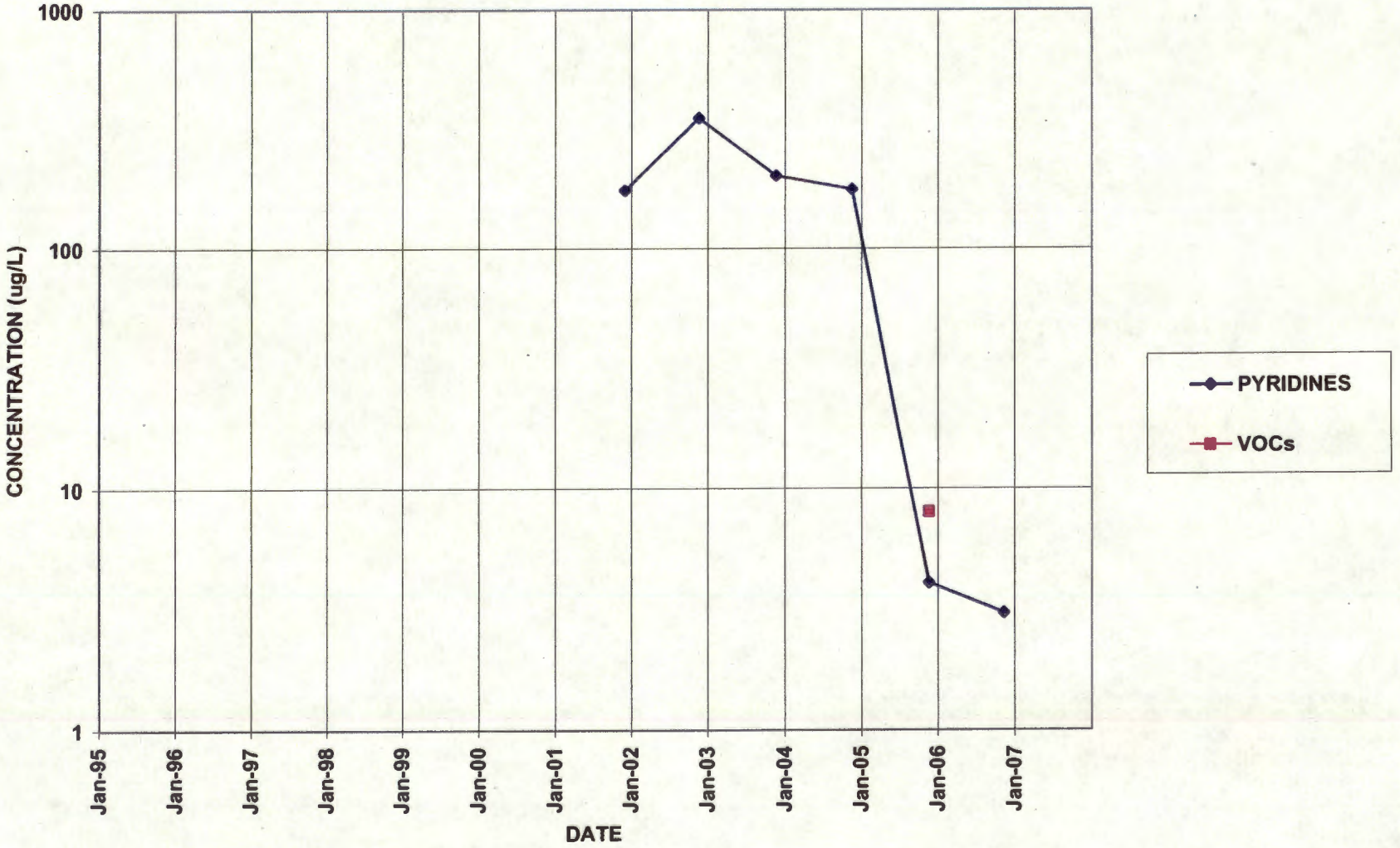
Prepared by: nmb
Reviewed by: jeb

MW-127



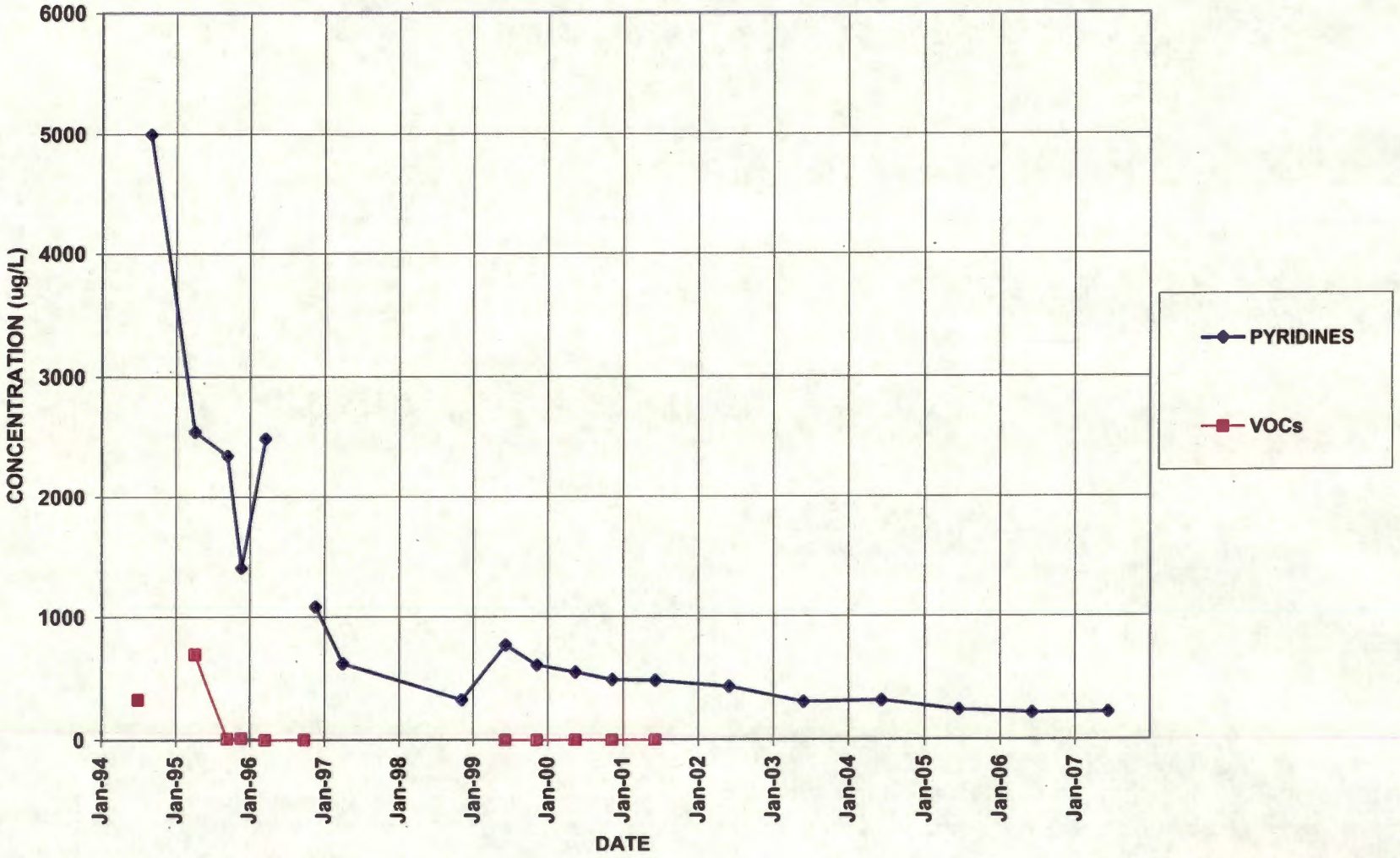
Prepared by: nmb
Reviewed by: jeb

MW-16

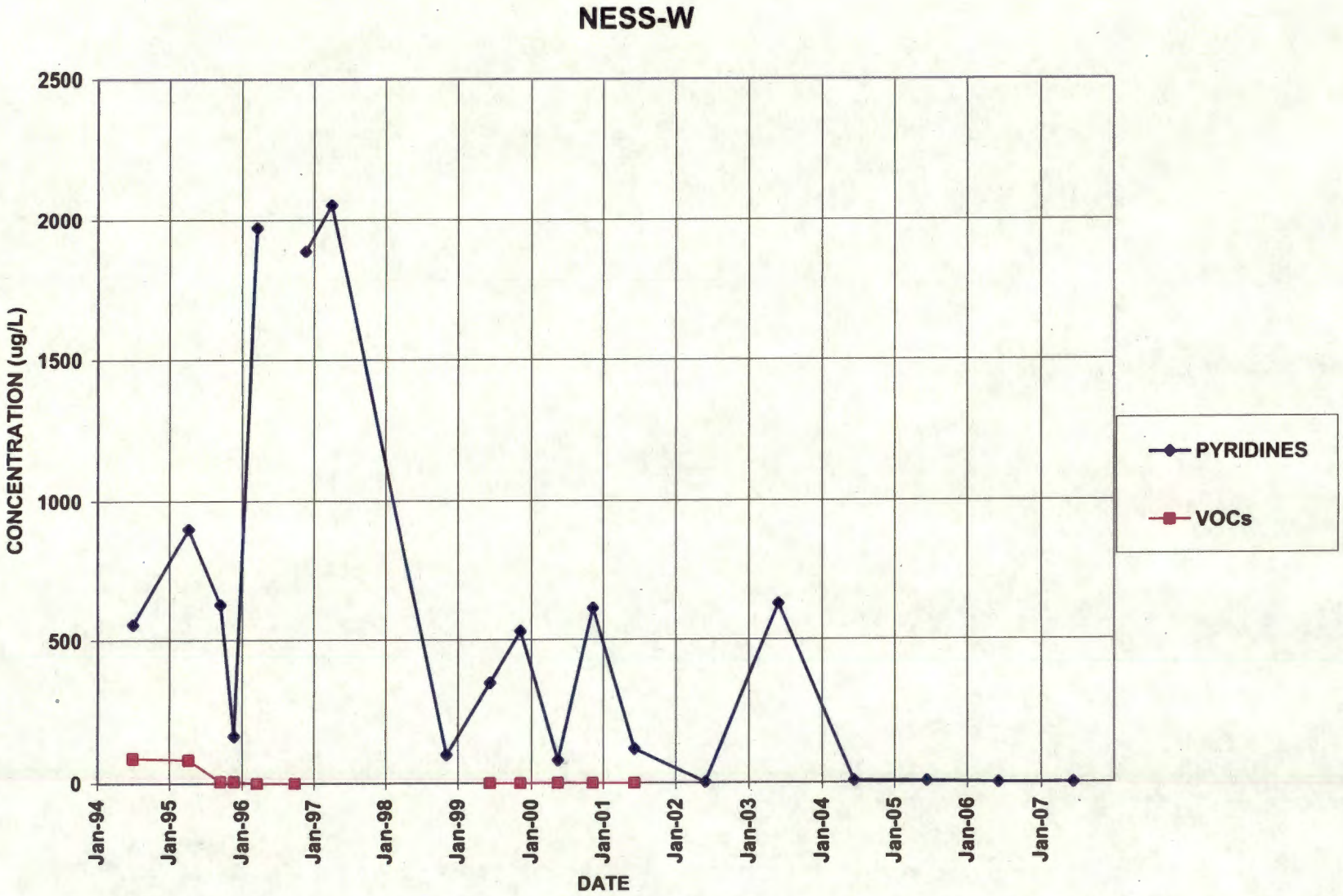


Prepared by: nmb
Reviewed by: jeb

NESS-E

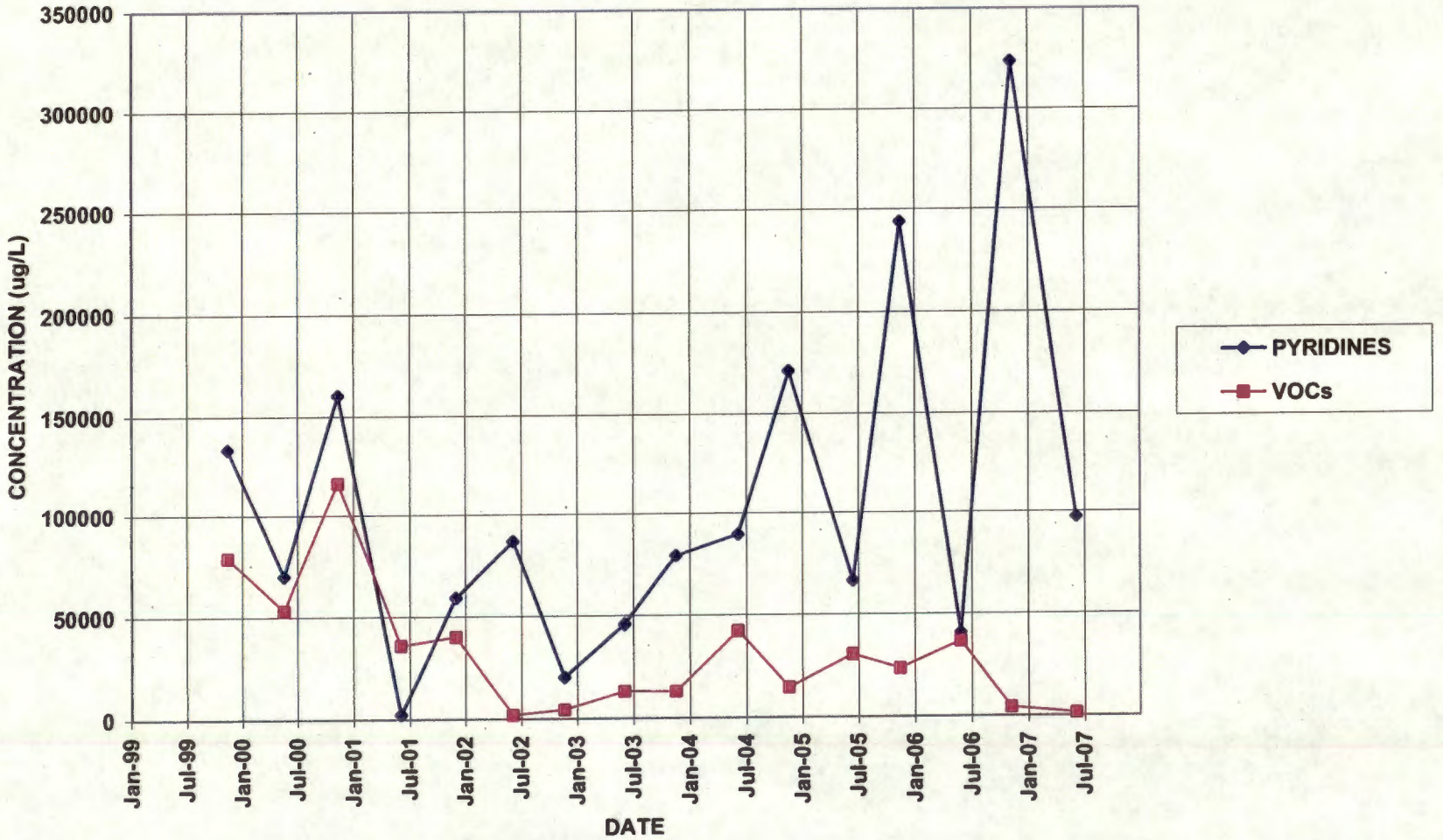


Prepared by: nmb
Reviewed by: jeb



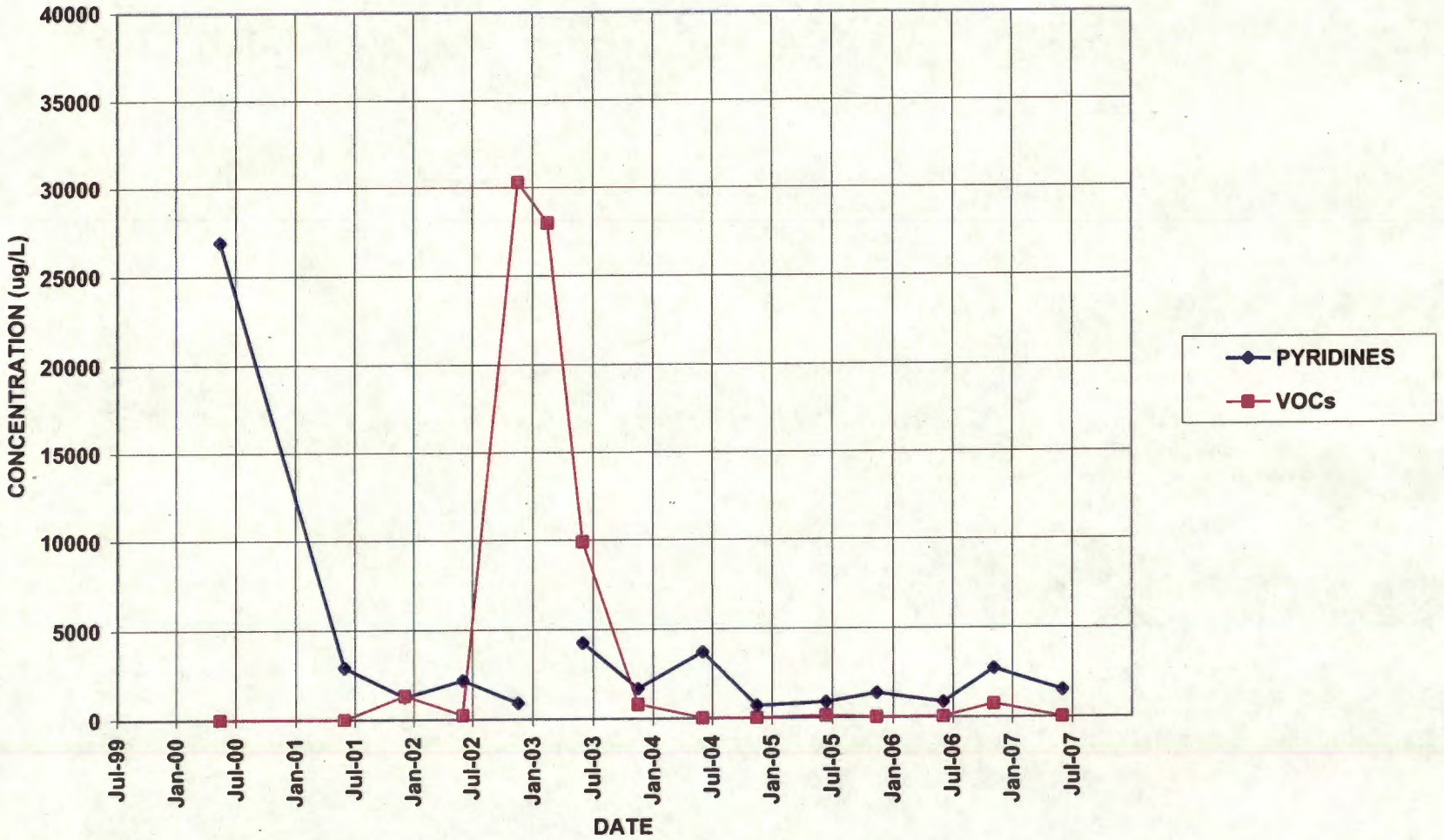
Prepared by: nmb
Reviewed by: jeb

PW10



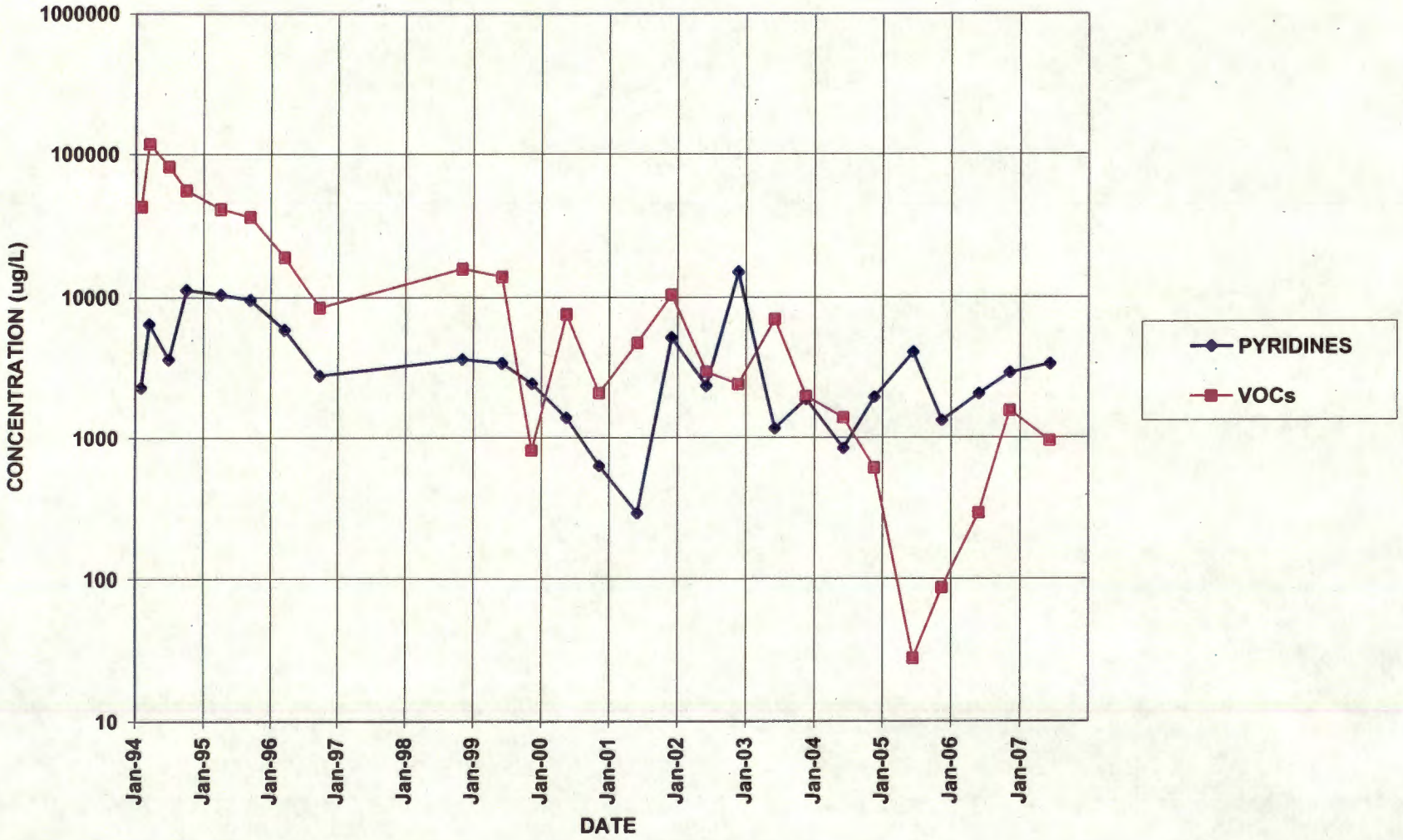
Prepared by: nmb
Reviewed by: jeb

PW11



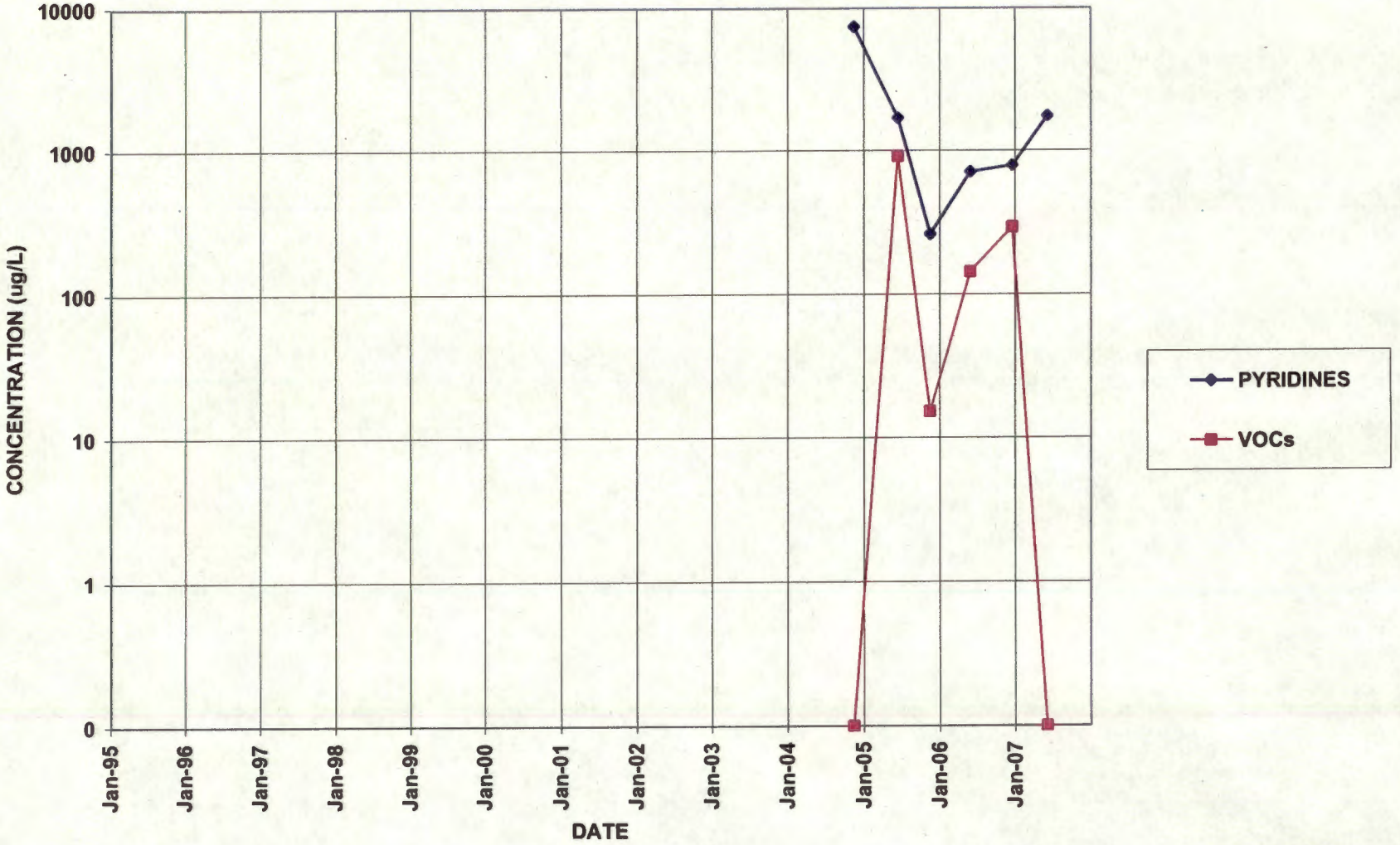
Prepared by: nmb
Reviewed by: jeb

PW12 (Formerly BR-101)



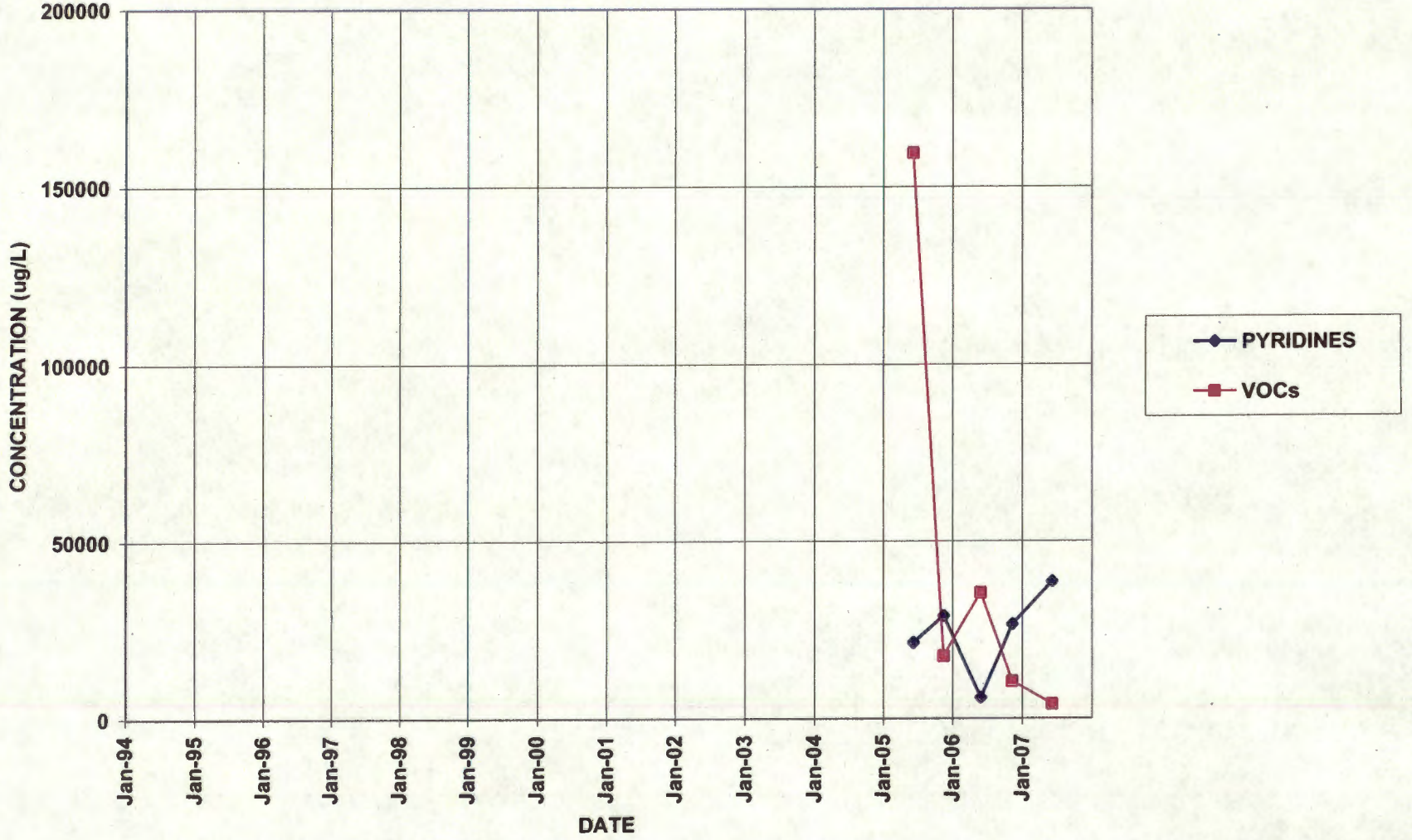
Prepared by: nmb
Reviewed by: jeb

PW13



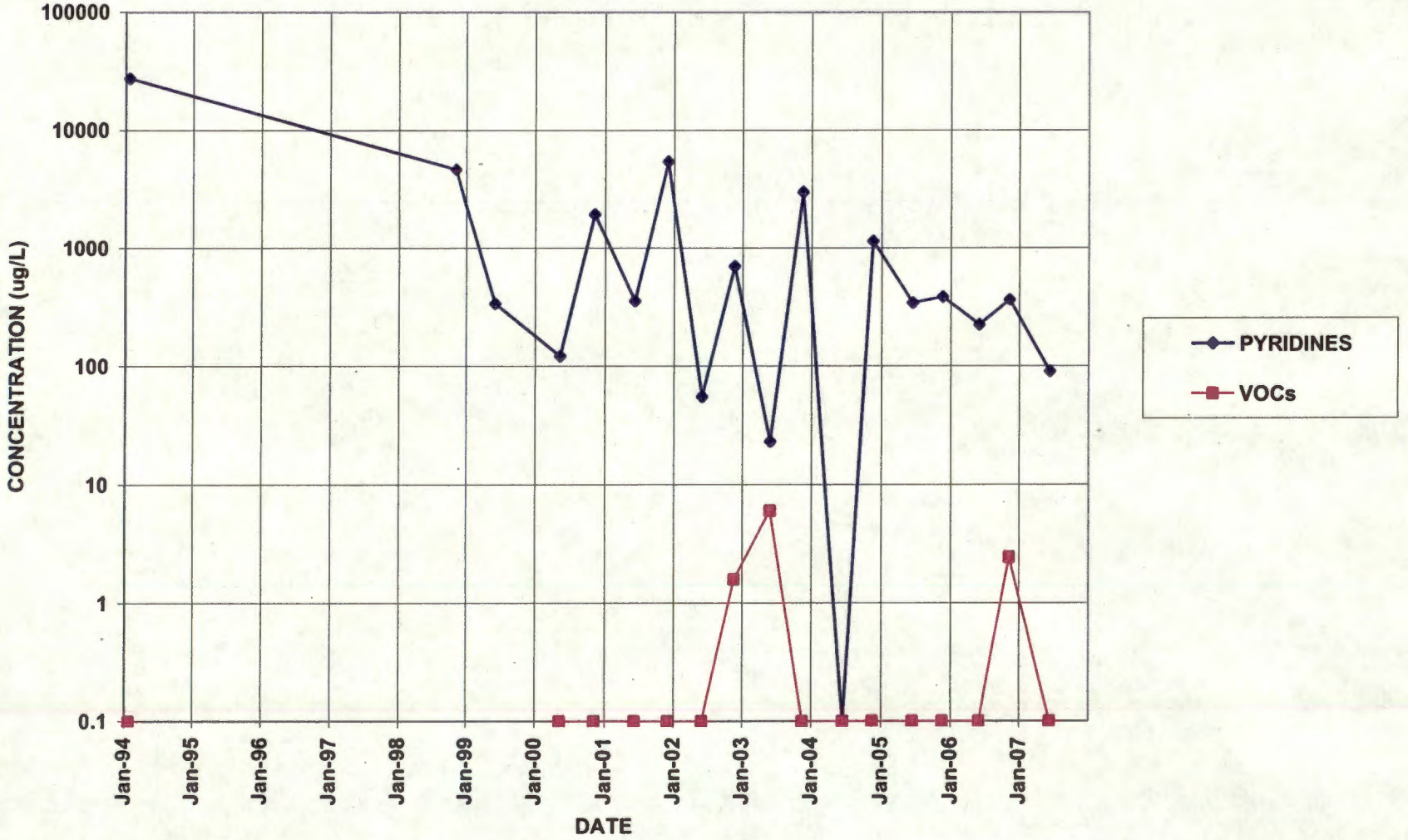
Prepared by: nmb
Reviewed by: jeb

PW14



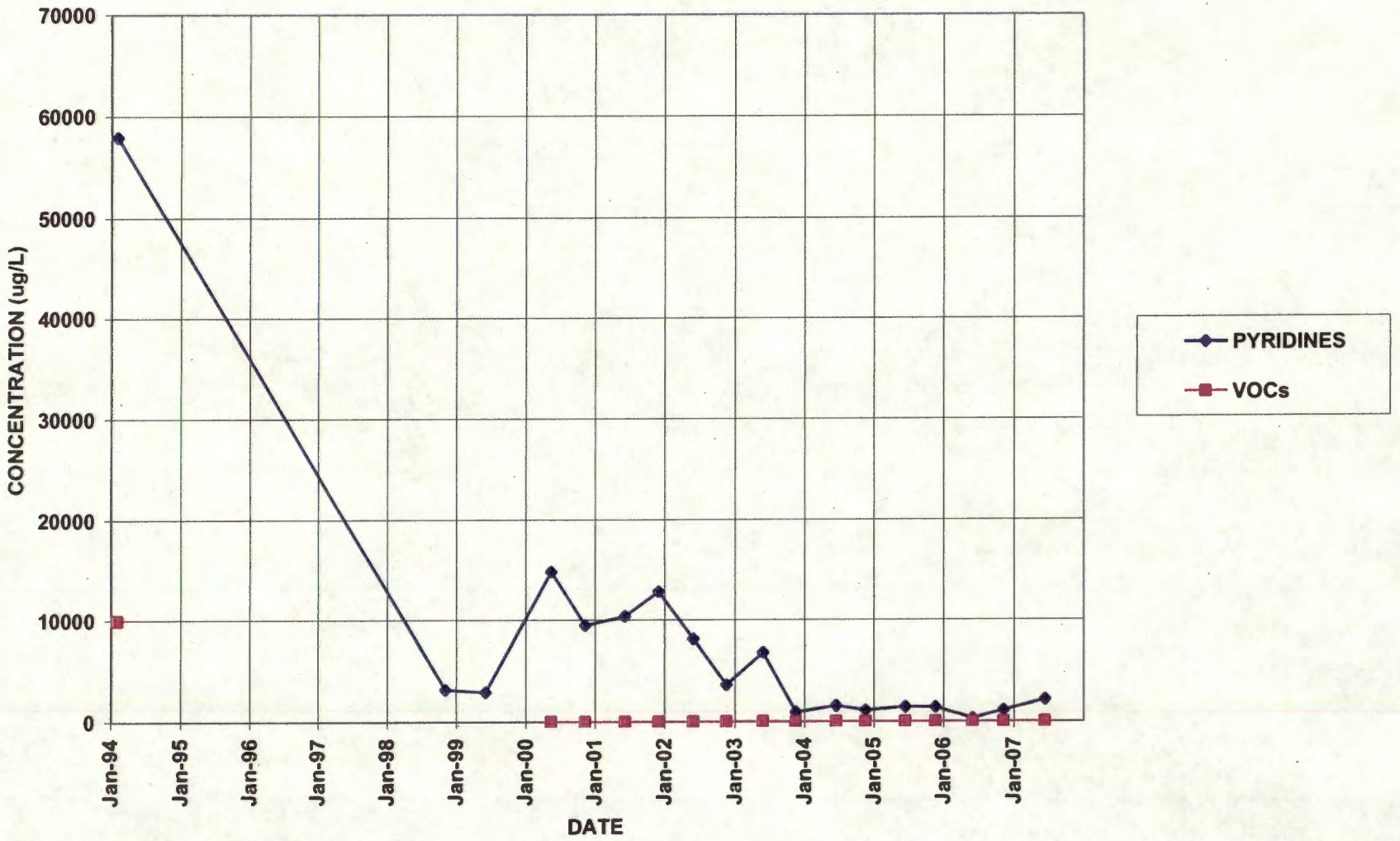
Prepared by: nmb
Reviewed by: jeb

PZ-101



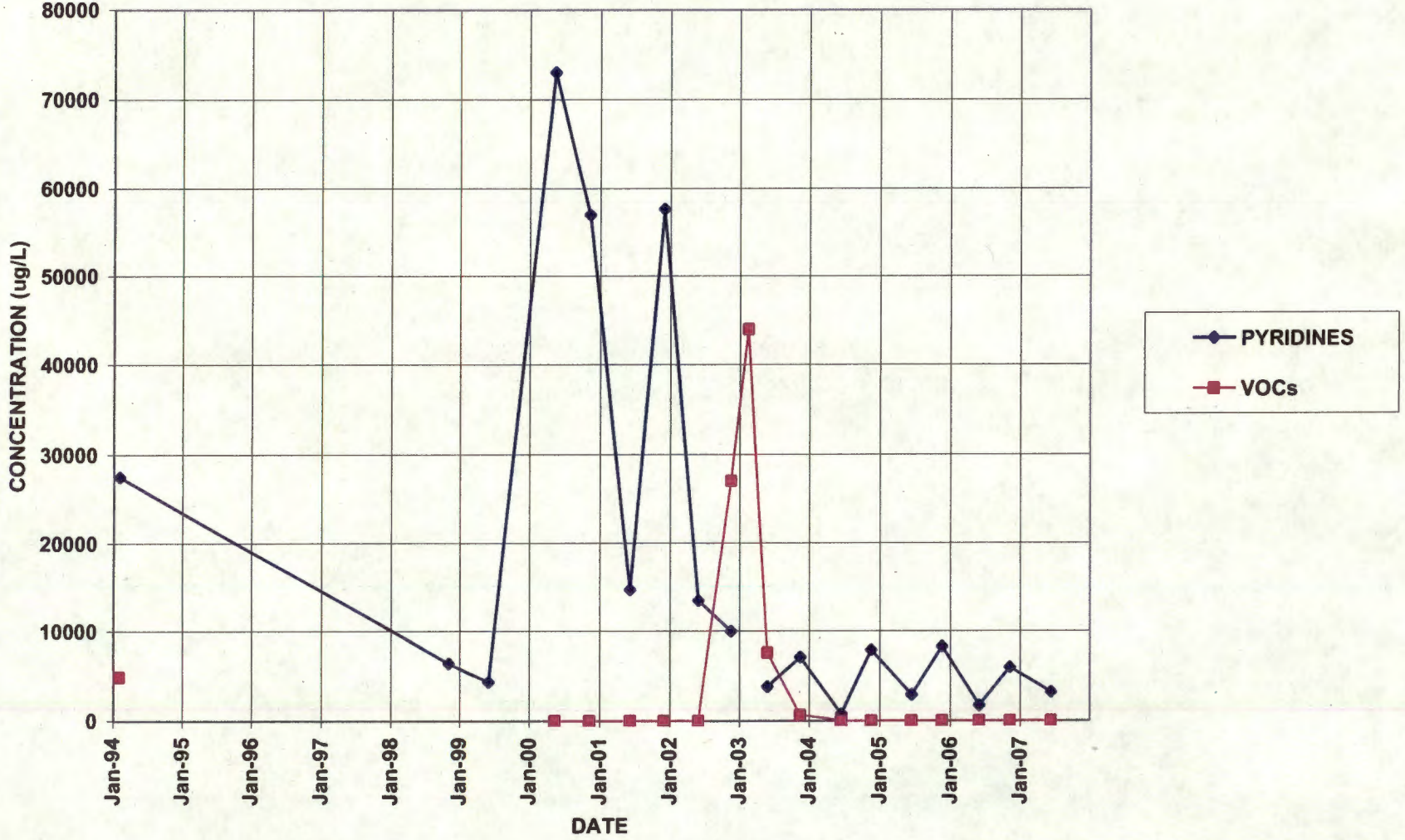
Prepared by: nmb
Reviewed by: jeb

PZ-102



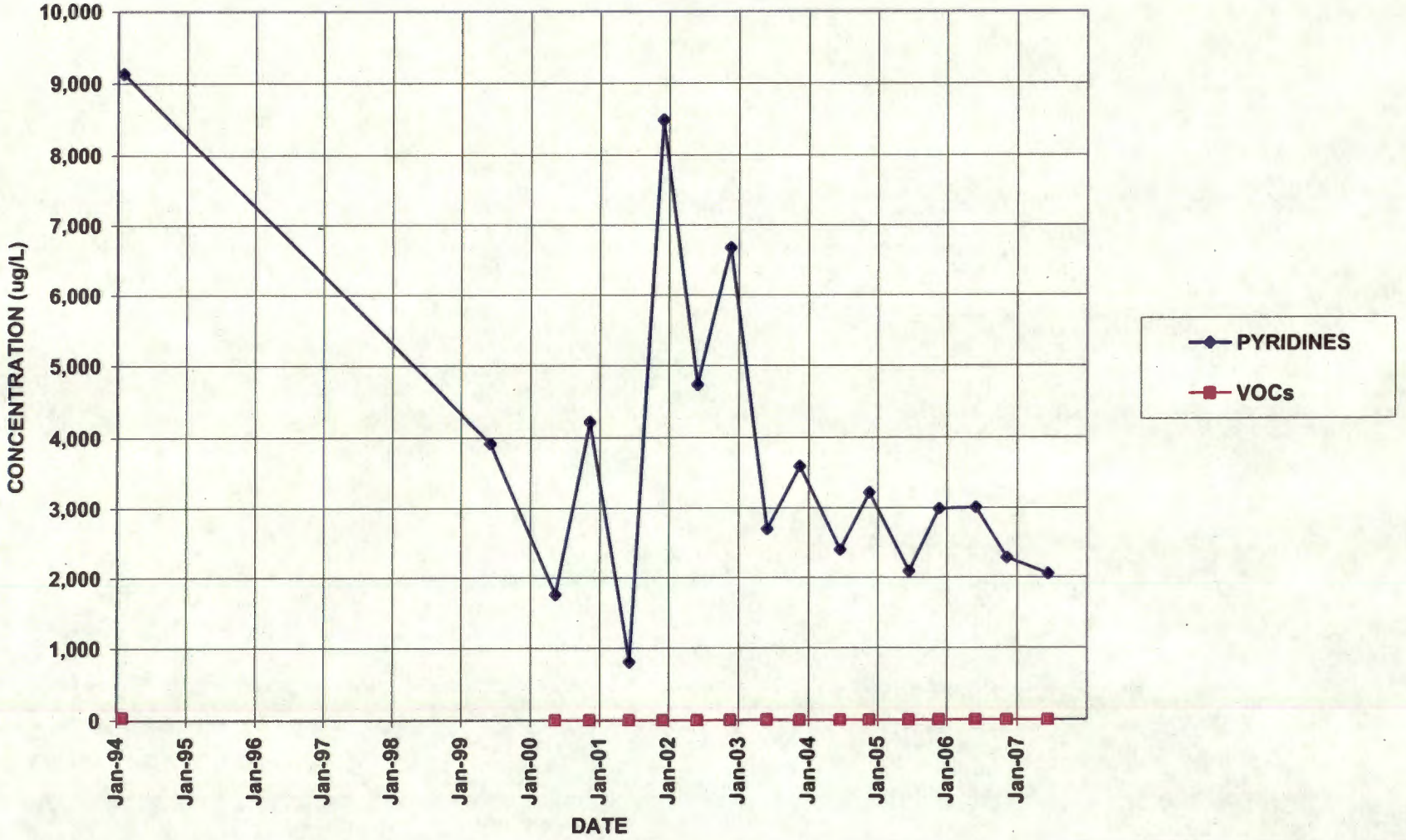
Prepared by: nmb
Reviewed by: jeb

PZ-103



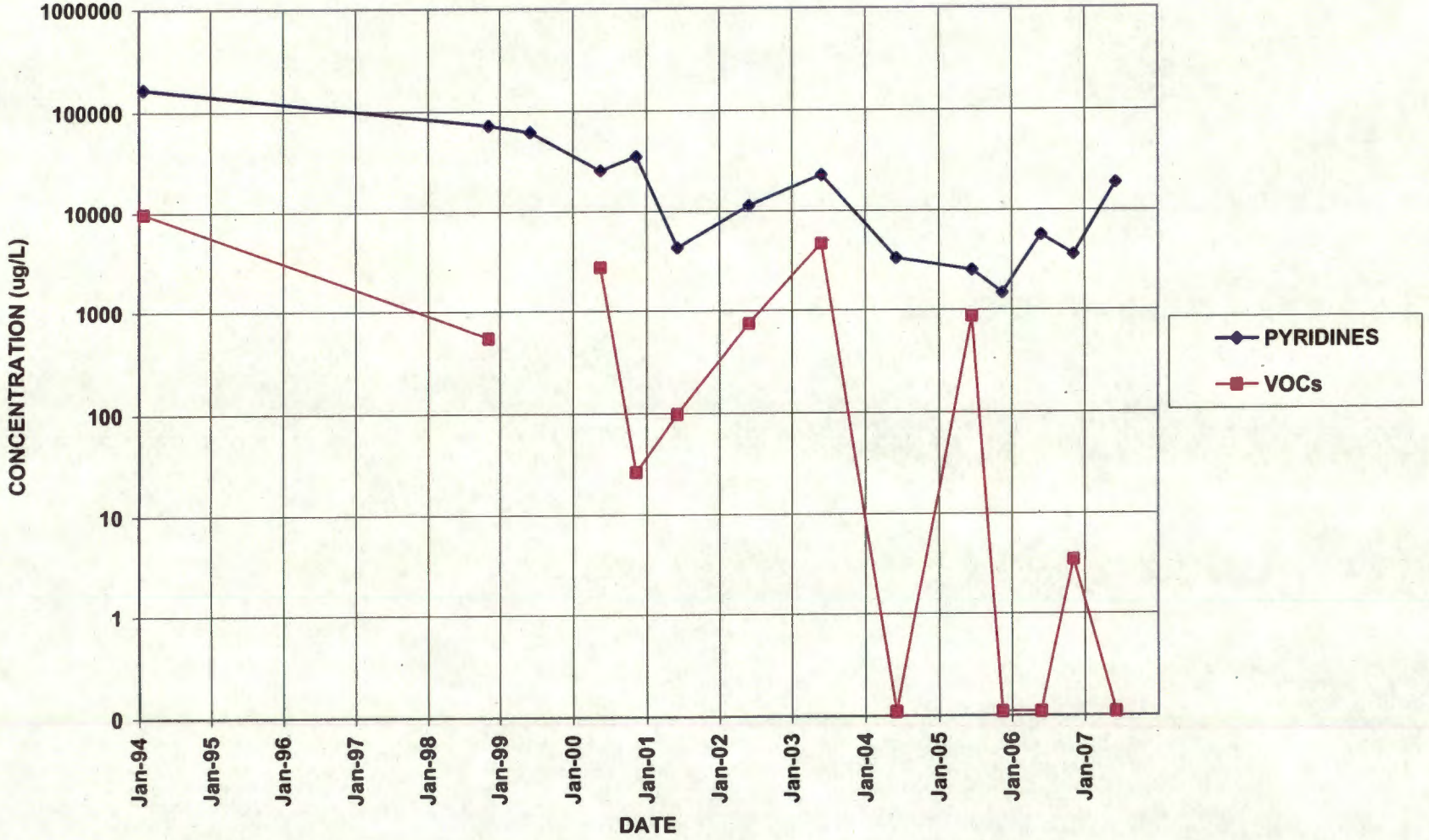
Prepared by: nmb
Reviewed by: jeb

PZ-104



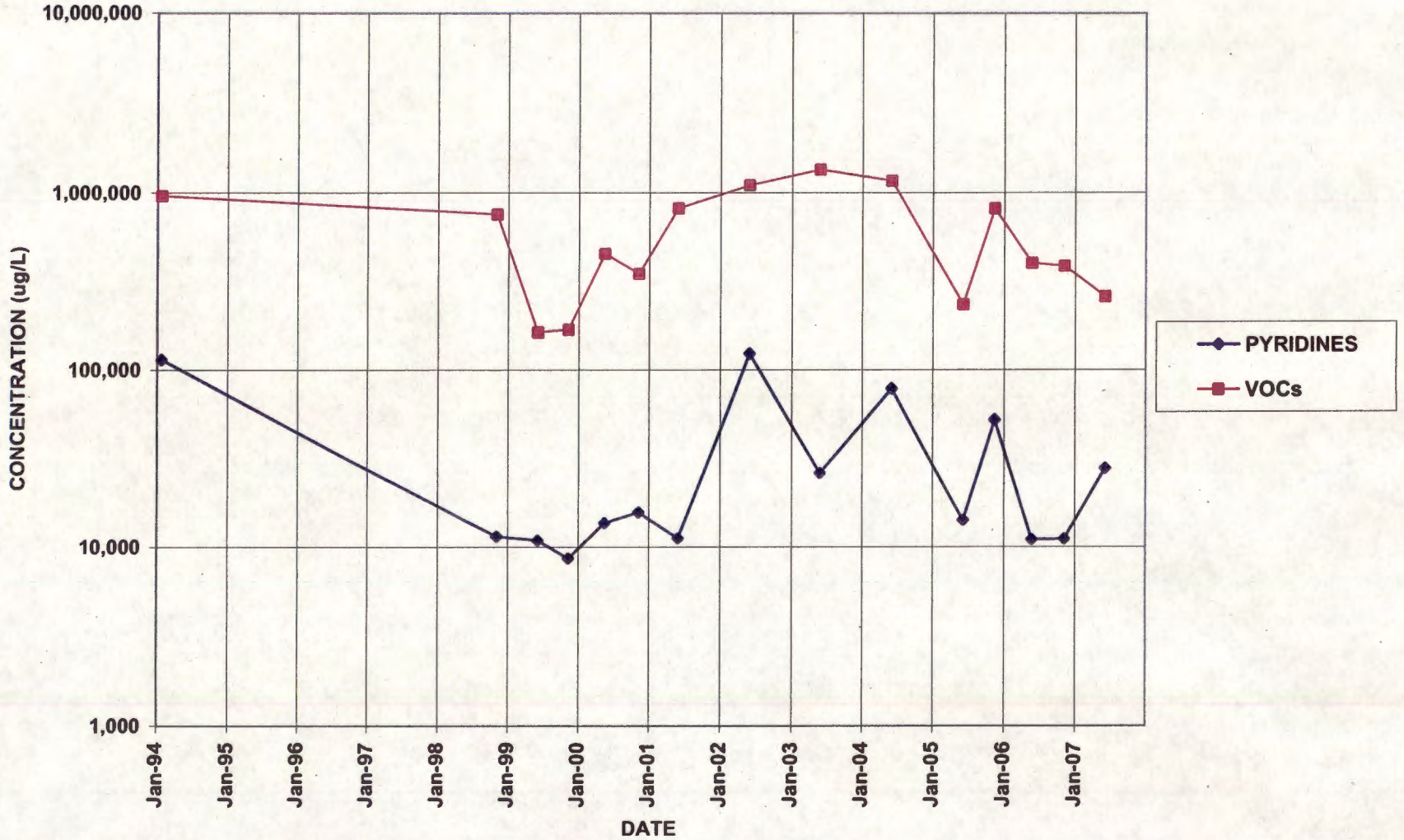
Prepared by: nmb
Reviewed by: jeb

PZ-105



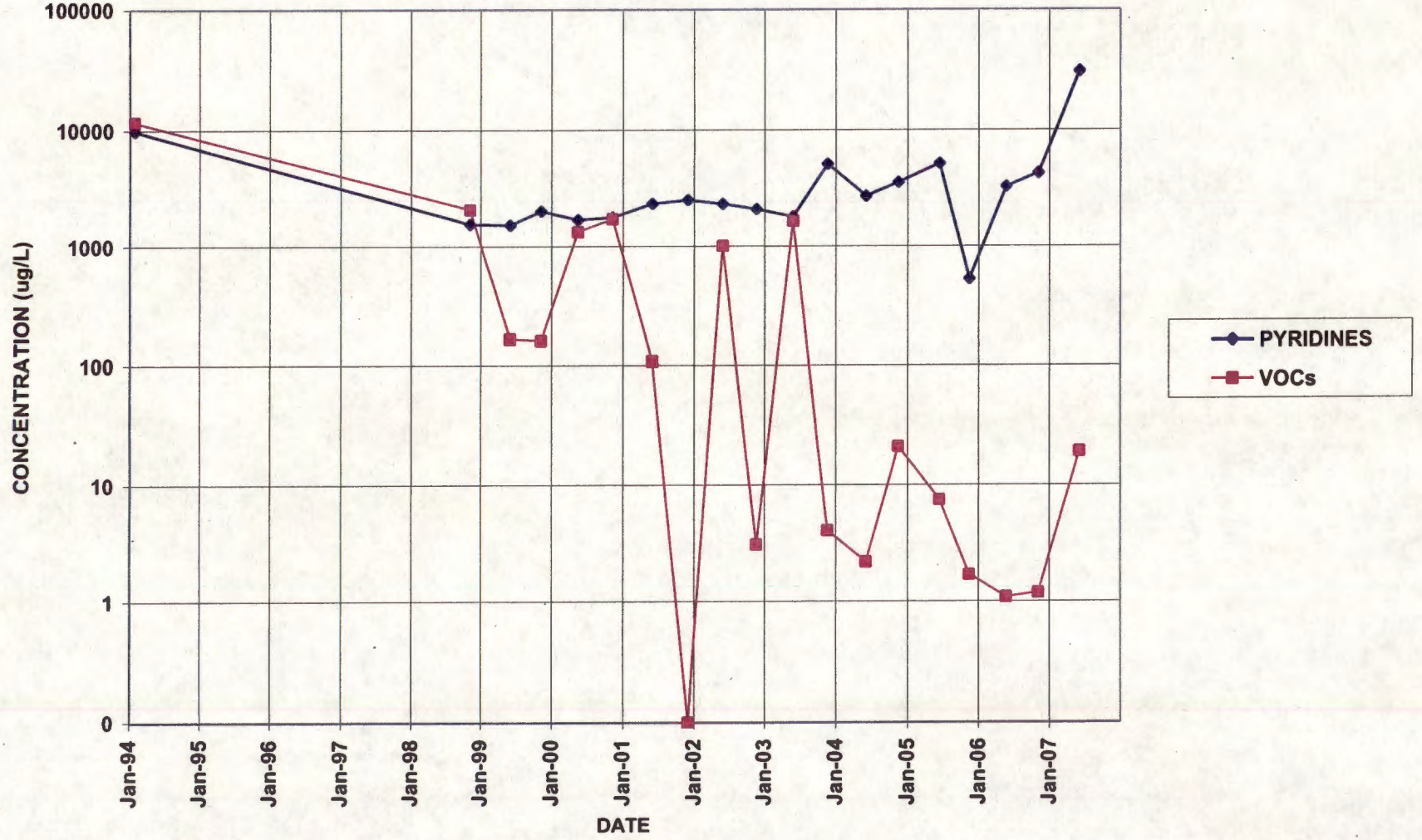
Prepared by: nmb
Reviewed by: jeb

PZ-106



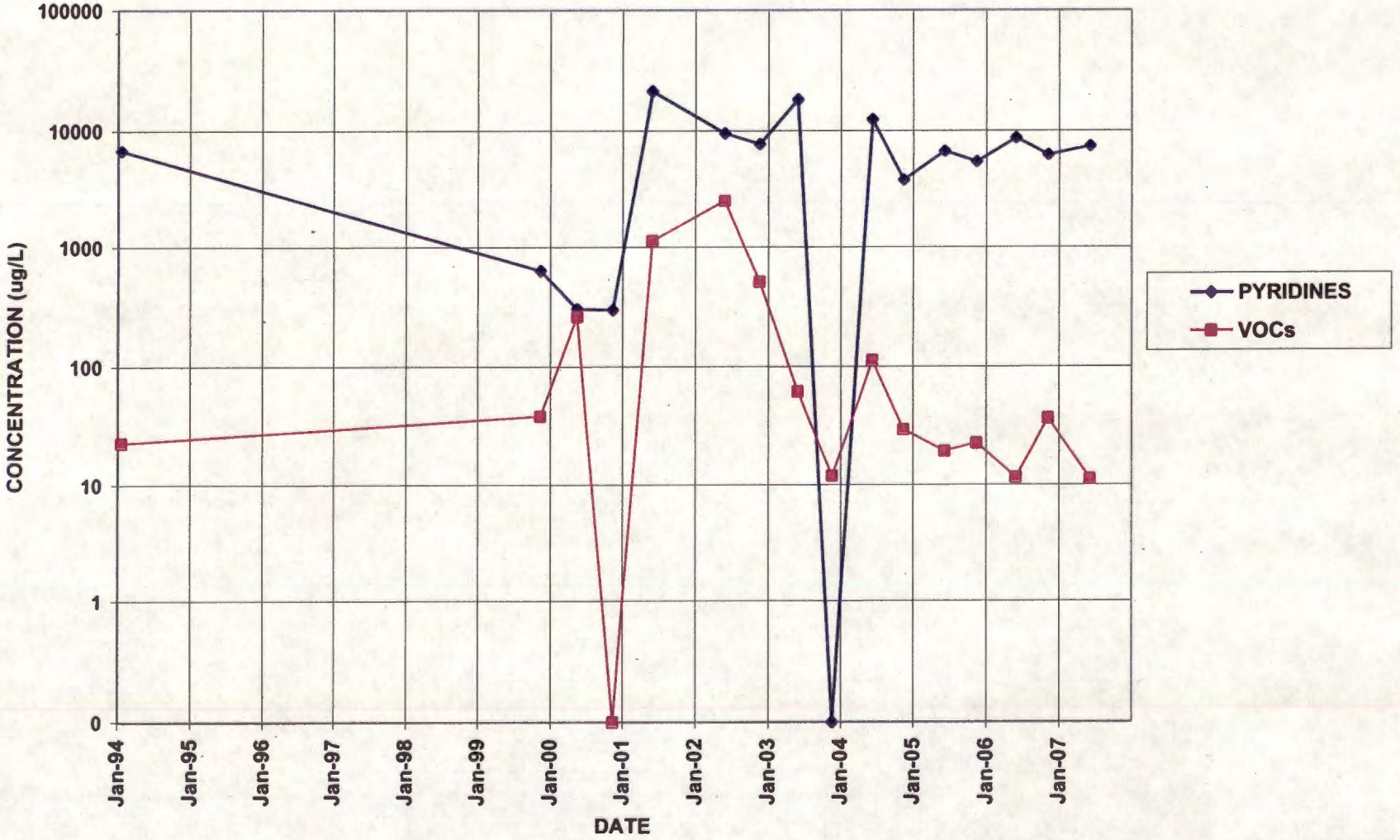
Prepared by: nmb
Reviewed by: jeb

PZ-107



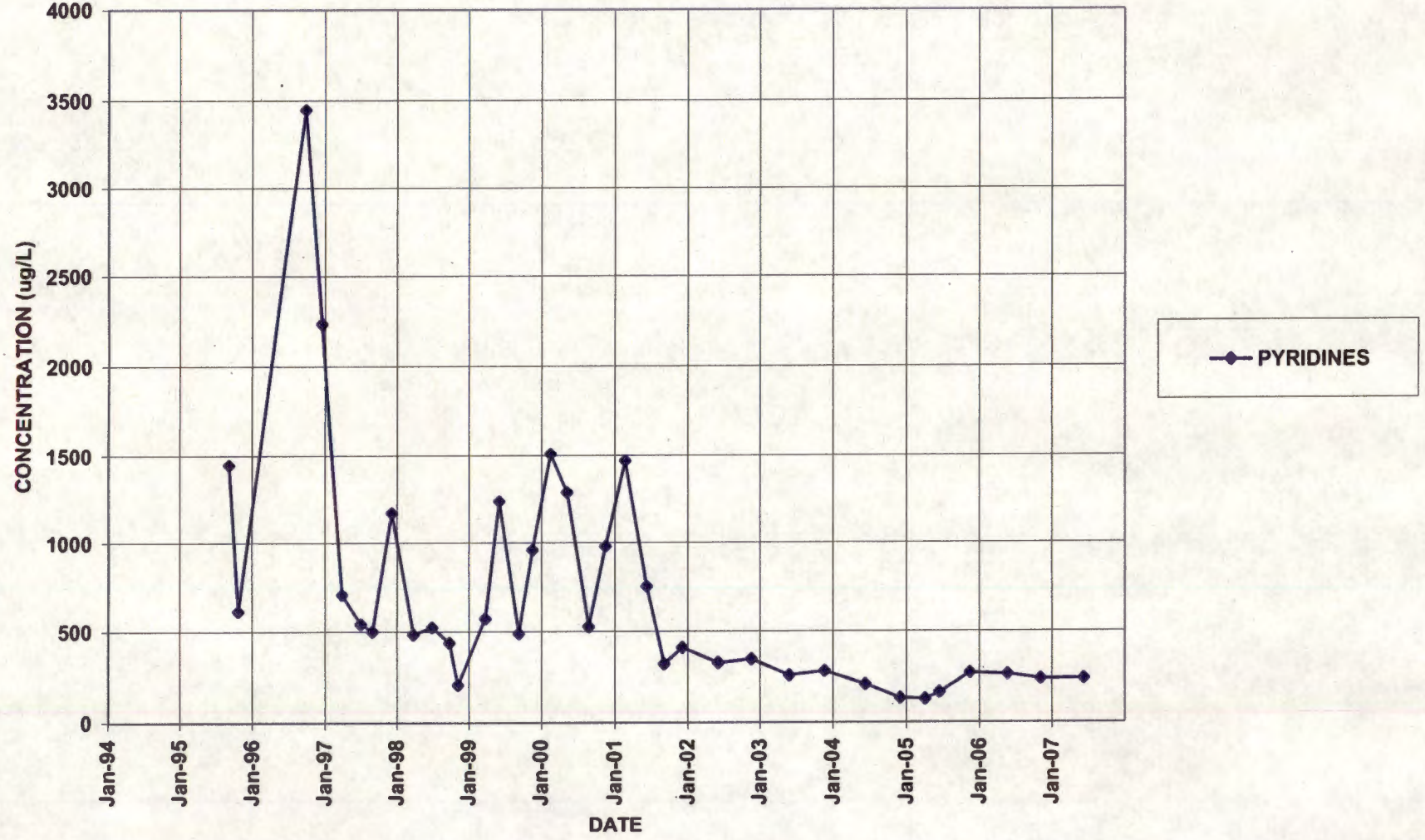
Prepared by: nmb
Reviewed by: jeb

S-3



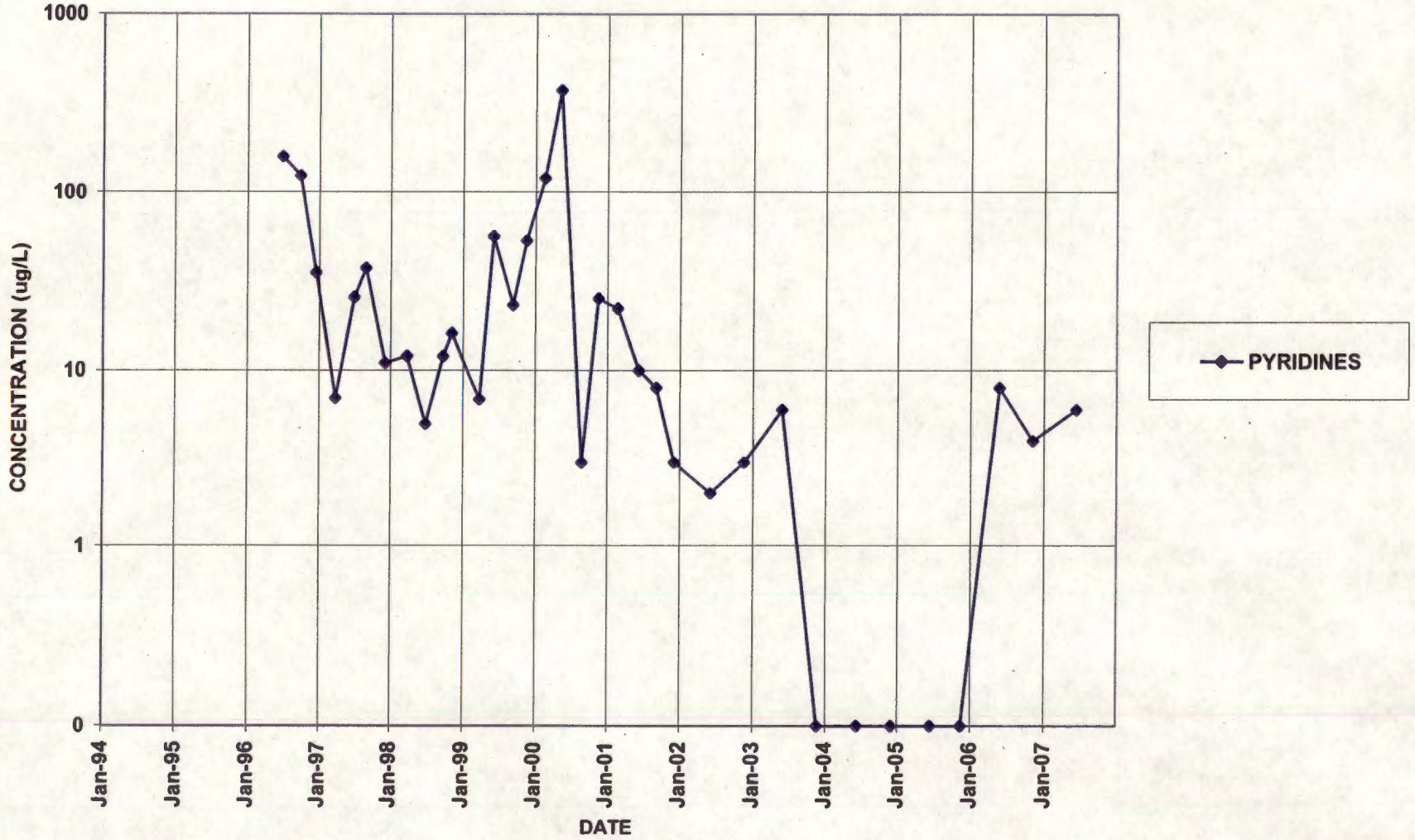
Prepared by: nmb
Reviewed by: jeb

QS-4 (QUARRY SEEP)



Prepared by: nmb
Reviewed by: jeb

QO-2 (QUARRY OUTFALL)



Prepared by: nmb
Reviewed by: jeb