HALEY & ALDRICH

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

TECHNICAL MEMORANDUM
Quarterly Report No. 5
Fourth Quarter 2002
Extended Soil Vapor Extraction Pilot Testing and Interim Action Full-Scale System Implementation

To: **Mr. Brian Mossman**
Boeing Realty Corporation
3855 Lakewood Blvd.
Building 1A MC D001-0097
Long Beach, CA 90846

From: **Haley & Aldrich, Inc.**

Date: **January 28, 2003**

Re: **Quarterly Report No. 5, Fourth Quarter 2002, Extended Soil Vapor Extraction Pilot Testing and Interim Action Full-Scale System Implementation, Boeing Realty Corporation, Former C-6 Facility – Parcel C, Los Angeles, California**

Haley & Aldrich, Inc. has prepared this technical memorandum to summarize extended soil vapor extraction (SVE) pilot test activities and interim action full-scale system implementation conducted at the former Boeing C-6 Facility (subject property), in Los Angeles, California. Two SVE systems are currently present on the subject property, an interim action full-scale SVE system in the former Building 1/36 area and an extended duration pilot system in the former Building 2 area (Figure 1).

The former Building 1/36 SVE system was not operated during the fourth quarter of 2002 due to system modifications being implemented. As a result, no new operational data is presented in this report. The former Building 2 SVE pilot system was operated during the first part of the fourth quarter of 2002 for volatile organic compound (VOC) mass removal and was shut down in November for rebound monitoring. This technical memorandum summarizes system operations, field measurements, vapor sampling and analysis, mass removal, extraction well optimization, and planned future SVE activities.

BACKGROUND

Laboratory results for soil samples collected in the former Building 1/36 and Building 2 areas at the subject property indicated the presence of VOCs at depth requiring remediation to prevent possible impact to groundwater. Based on the results of the investigation, shallow occurrences of impacted soil (less than 12 feet below ground surface) were excavated and disposed of at an approved facility. SVE was recommended for the remediation of deep impacted soil. Haley & Aldrich was contracted by Boeing Realty Corporation (BRC) to install and operate

two extended SVE pilot tests to obtain data for the evaluation of using SVE as a full-scale remedy. Workplans for the pilot test activities in the Building 1/36 and Building 2 areas were submitted and approved by the Regional Water Quality Control Board, Los Angeles Region (LARWQCB) in May and September 2001, respectively.

FORMER BUILDING 1/36

Initial pilot testing commenced in the Building 1/36 area in July 2001 and continued until October 2001 when site grading began. Due to site grading conflicts, the SVE pilot test system was removed and wells were abandoned. At the end of November 2001, one dual-completion well (1-VEW-24A and B) was re-installed and the pilot test system was re-started on December 13, 2001. An additional forty-one dual and single completion wells (1-VEW-1 through 1-VEW-26) were installed during the month of January 2002 as part of the interim action SVE system implementation. The location of the Building 1/36 SVE system is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 2.

The Building 1/36 interim action SVE system consists of forty-three 3-inch diameter, single and dual-completion, SVE wells, a trailer-mounted, 1,000-standard cubic feet per minute (scfm) blower system, three 8,000-lb granular activated carbon (GAC) vapor control vessels (primary, secondary, and stand-by), and associated piping. Haley & Aldrich began system operation on May 15, 2002.

During the second quarter of 2002, the system operated with an up-time efficiency of approximately 35% and removed a total of approximately 4,196 lbs. of VOCs. On June 7, 2002, the system shut down due to apparent vandalism. The remediation progress prior to system shut down is shown in Figure 3. Exothermic reactions on the GAC beds continued until June 12, when upon discovery, the beds over-heated and were quenched with water. Due to the GAC bed overheating, system damage occurred that required repair prior to re-start. GAC was removed from all three vessels on June 13, 2002 and the system remains off, pending corrective measures.

FOURTH QUARTER 2002 SVE OPERATION SUMMARY – FORMER BUILDING 1/36

Days of Operations	0
Available Days of Operation	0
Operational Time (%)	0
Mass Removed during Period (lbs)	0
Cumulative Mass Removed (lbs) (July '01-Dec '02)	9,189

OPERATIONS INFORMATION – FORMER BUILDING 1/36

Operational data and VOC mass removal for the SVE system are tabulated and shown graphically in Attachment 1.

The system did not operate during this quarter due to system modifications being made to address GAC over-heating. The historical monthly percent operation for the system is shown in Attachment 1, Graph 1.

The monthly and cumulative mass of VOCs removed by the Building 1/36 system is shown in Attachment 1, Graph 2. Since July 2, 2001 (initial small-scale pilot test start-up) approximately 9,189 lbs. of VOCs have been extracted during approximately 3,873 hours of initial and expanded SVE pilot test operation. Operation of the SVE system is in compliance with the site-specific permit from the South Coast Air Quality Management District (SCAQMD).

FIELD MEASUREMENTS – FORMER BUILDING 1/36

Historical VOC concentrations were measured with a photo-ionization detector (PID) or flame-ionization detector (FID), calibrated to 100 parts per million by volume (ppmv) hexane, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Historical flowrates were measured with a hand-held TSI Veloci-clac Plus hot-wire anemometer or direct reading pitot tube. Additional historical measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC concentration measurements, since the new well installation in January 2002, are plotted in Attachment 1, Graph 3.

VAPOR SAMPLING AND ANALYSIS– FORMER BUILDING 1/36

Laboratory results of influent concentrations, since the new well installation in January 2002, are shown in Attachment 1, Table 1. The results of the historical vapor sampling for the treatment system and wellfield are summarized in Attachment 1, Tables 2 and 3. In December 2002, twenty-five samples were collected from fourteen wells and submitted for laboratory analysis. These samples were collected in an effort to identify high concentrations of methyl ethyl ketone (MEK). These data are included in Attachment 1, Table 4, but analysis of the data will be incorporated into the First Quarter 2003 Report that includes system restart.

EXTRACTION WELL OPTIMIZATION – FORMER BUILDING 1/36

Well optimization was conducted during system start-up. VOC concentrations were measured by FID at each extraction well at various flowrates during this quarter. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. Optimization curves for the 41 wells are included in Attachment 1. Extraction wells were operated during May and June of 2002 (within permit limitations) for approximately one month at flow regimes generating the maximum concentrations. These curves will be re-evaluated during system re-start in January and February 2003.

ACTIVITIES FOR NEXT QUARTER – FORMER BUILDING 1/36

The SVE system is being retrofitted with a granular activated carbon (GAC) water quench system to control MEK heat generation. Installation of retrofit features are currently underway. During September, bids were obtained and evaluated for system modification, vessel retrofits, and modification installation. Construction commenced in December 2002 and system re-start is currently scheduled for January 2003.

A First Quarter 2003 report summarizing activities during the period January 2003 through March 2003 will be prepared and submitted to BRC in April 2003

FORMER BUILDING 2

The Building 2 extended pilot test system consists of twenty-one 2-inch diameter PVC single and dual-completion SVE wells, a trailer-mounted 800-actual cubic feet per minute (acfm) blower system, two 3,000-lb GAC vapor control vessels (primary and secondary), and associated piping. Haley & Aldrich installed the initial pilot test wells in September 2001 and began system operation on November 27, 2001. Three additional extraction wells (2-VEW-18 through 2-VEW-20) were installed on August 1, 2002. One additional extraction well (2-VEW-21) was installed near the well producing the highest VOC concentrations (2-VEW-1B) on September 23, 2002.

Although 2-VEW-1B contains sustained elevated VOC concentrations (approximately 200 ppm), the mass removal rate is less than 1.0 pound per day due to very low flow. It is suspected that the low flow and low mass

removal rates are due to the presence of a clay lens in the area.

The location of the Building 2 pilot test is shown in Figure 1. The well field layout, including well screen depths is shown on Figure 4.

During the fourth quarter 2002, the Building 2 pilot test system operated from October 1 to November 11, 2002 with an up-time efficiency of 88% and removed a total of approximately 82 lbs. of VOCs. The system was shut down on November 11 due to low VOC concentrations for rebound monitoring in accordance with the standard operating procedures for SVE closure monitoring (Hargis, 2002) approved by the LARWQCB.

FOURTH QUARTER 2002 SVE OPERATION SUMMARY – FORMER BUILDING 2

Days of Operations	37
Available Days of Operation	42
Operational Time (%)	88
Mass Removed during Period (lbs.)	82
Cumulative Mass Removed (lbs.) (Nov'01-Dec'02)	2,949

OPERATIONS INFORMATION – FORMER BUILDING 2

Operational data and VOC mass removal for the extended SVE pilot test system are tabulated and shown graphically in Attachment 2. Key events that occurred during this quarter inlcude:

- October 16, 2002 — Rebound monitoring started on eastern wells. Mechanical shut down while unattended due to low flow.
- October 22, 2002 — System restarted. Rebound monitoring on eastern wells continued.
- November 7, 2002 — Wells 2-VEW-10, 11, 12, 13, and 14 were apparently damaged by vandals that broke into the site and drove over the wells with a truck. System shut off, piping and wells were repaired, and system restarted.
- November 11, 2002 — Rebound monitoring started on western wells. System shutdown.
- November 25, 2002 — Week 2 rebound monitoring.
- December 9, 2002 — Week 4 rebound monitoring.
- December 23, 2002 — Week 6 rebound monitoring and regression analysis.

Total days of operation for this period was approximately 37 with intermittent down-time due to GAC changeout. This equates to an up-time of approximately 88 percent when compared with the days available for operation as shown in Attachment 2, Graph 4.

During the period, VOC vapors were drawn from 2-VEW-1B, 4, 6, 7B, 8B, 10B, 11B, 15B, 18, 19, and 21 at optimized flow rates for maximum concentrations and mass removal rates. Individual optimal SVE well flow rates ranged from approximately 7 to 130 scfm for a total flow rate from the well field of 555 to 645 scfm. Well optimization is discussed further below. The system operated without air dilution during the fourth quarter with inlet vacuums ranging from 41 to 74 inches water column.

For this reporting period, approximately 82 lbs. of VOCs were extracted from the SVE wells and treated with

GAC during 859 hours of operation. Since November 27, 2001 approximately 2,949 lbs. of VOCs have been extracted during approximately 7,634 hours of operation.

AIR PERMIT COMPLIANCE

The compounds 1,1- Dichloroethene (1,1-DCE) and Chloroform were detected in an exhaust sample collected on November 7, 2002 with concentrations of 0.38 parts per million by volume (ppmv) and 0.80 ppmv, respectively. The allowable concentrations for 1,1-DCE and Chloroform as defined by Condition 12 of permit F52649 (A/N 401433) were 0.005 ppmv and 0.04 ppmv, respectively. The SVE system was shut down before the analytical results were received pending system closure. If the system is restarted, fresh activated carbon will be placed in the primary vessel.

A maximum individual cancer risk (MICR) calculation was performed as outlined by Condition 15 of permit A/N 401433. The results of this calculation, reported in the Toxic Risk Assessment for Building 2 SVE Extended Pilot Test System (Haley & Aldrich, 2002), indicate that the total MICR for all pollutants detected in the November 7, 2002 exhaust samples is 9.98E-07 (or approximately 1 in one million). This value was calculated for a worker approximately 25 meters away from the system. The calculated MICR for the nearest residential receptor is 6.03E-08 (or approximately 0.06 in one million). This value was calculated for a residential receptor at 500 meters. Both of these numbers are less than the SCAQMD-specified toxic risk of ten in a million, therefore system shut down and re-permitting was not necessary.

FIELD MEASUREMENTS – FORMER BUILDING 2

VOC concentrations were measured with a PID and/or FID, calibrated to 100 ppmv hexane, as per the SCAQMD permit requirements, at the undiluted inlet, diluted inlet, between the GAC vessels, and at the exhaust stack. Flowrates were measured with a hand-held TSI Veloci-calc Plus hot-wire anemometer or by measuring the pressure differential across an orifice plate. Additional measurements were collected during operation including vacuum readings at each extraction well, pressures at the GAC vessels, and blower exhaust temperature. The field influent VOC measurements are plotted in Attachment 2, Graph 5.

VAPOR SAMPLING AND ANALYSIS – FORMER BUILDING 2

For this period, twelve vapor samples were collected in Tedlar bags from the process air stream (inlet to primary GAC vessel and exhaust from the secondary GAC vessel) and delivered to a state-certified laboratory for analysis. These samples were collected for SCAQMD permit compliance as well as system performance evaluation. The vapor samples were collected using a Tedlar bag in a vacuum case. Laboratory analyses were conducted on vapor grab samples using EPA Method 8260B/TO-14A. The full results of the vapor sampling are summarized in Attachment 2, Tables 5, 6, and 7.

Based on the results of the laboratory analysis of vapor grab samples, maximum inlet VOC concentrations as parts per billion by volume (ppbv) for the period are as follows:

- Trichloroethene (TCE) 3,000 ppbv
- Chloroform 750 ppbv
- 1,1 Dichloroethene (1,1 DCE) 690 ppbv
- Toluene 220 ppbv
- Tetrachloroethene (PCE) 100 ppbv
- Xylene 83 ppbv
- Methyl Tert-Butyl Ether 65 ppbv

- Trichloroethane (1,1,1 TCA) 53 ppbv
- Benzene 33 ppbv
- Carbon tetrachloride 22 ppbv
- Ethylbenzene 20 ppbv
- 1,1 Dichloroethane (1,1-DCA) 19 ppbv
- Trichlorofluoromethane 19 ppbv
- Cis-1,2 Dichloroethene (cis-1,2-DCE) 14 ppbv
- Methylene Chloride 10 ppbv
- Dichlorodifluoromethane 7 ppbv

Reported influent concentrations varied during the period due to system optimization efforts.

EXTRACTION WELL OPTIMIZATION – FORMER BUILDING 2

Data collection and adjustment of extraction well flow rates began in November 2001. VOC concentrations were measured at eleven extraction wells by PID at various flowrates during this quarter. Well flow versus concentration optimization curves are included in Attachment 2. These data were used to establish the flow regime under which maximum VOC concentrations can be extracted from the wells. Eleven extraction wells exhibiting higher VOC concentrations were operated in October and November (within permit limitations) at flow regimes generating the maximum concentration per flowrate. Wells exhibiting lower concentrations, which do not significantly contribute to mass removal, were closed so that the available SVE system flow capacity could be used for the higher concentration wells. Well optimization curves for each of the wells completed during the fourth quarter were plotted and are included in Attachment 2. Figure 5 illustrates the remediation progress since November 2001.

ESTIMATED SVE OPERATION DURATION – FORMER BUILDING 2

To predict the asymptotic VOC concentrations and identify the time at which continued operation becomes impractical, a regression analysis of available data was performed and refined. Tabulated calculations for the regression analysis are presented in Attachment 2, Table 8.

Undiluted influent vapor concentration data was used in the regression analysis to estimate the remaining period of operation for the Building 2 SVE system, based on concentration targets. Based on data collected through the end of September 2002, a 90% reduction in the initial regressed influent concentrations occurred in April 2002 (Graph 7). A 99% reduction in the initial regressed well concentrations was recorded in July and August 2002. A comparison of projected asymptotic concentrations and actual concentrations show good correlation. Based on these data, the system was shut down on November 11, 2002.

EXTENDED PILOT TEST PERFORMANCE VERIFICATION SOIL SAMPLING – FORMER BUILDING 2

In August and September 2002, Haley & Aldrich collected soil samples in the vicinity of selected previous Building 2 soil characterization sampling locations within the SVE wellfield to evaluate in-situ soil concentration reductions. Samples were collected from borings advanced with hollow-stem auger drilling equipment and submitted to a State-certified analytical laboratory for analysis by EPA Method 8260B in accordance with the LARWQCB-approved standard operating procedures for SVE closure monitoring (Hargis, 2002). Concentrations of TCE detected in confirmation samples were compared with pre-remediation concentrations to evaluate the effectiveness of the extended pilot test SVE system as illustrated in Figure 6. A summary of the analytical results for TCE in pre-pilot test Building 2 soil borings and recent soil sampling locations are shown in Attachment 2, Table 9. The certified analytical reports and boring logs will be included in the Building 2 Deep Soil Remediation

Final Report.

Based on the results of the laboratory analyses of soil samples collected from pilot test confirmation borings near the above locations, TCE concentrations ranged from non-detectable to 380 ug/kg (SB1001). The observed concentration reduction was approximately 98% or greater in most cases demonstrating the overall effectiveness of SVE operation. Four of the six borings advanced were converted to vapor extraction wells (2-VEW-18 through 2-VEW-21) to increase subsurface airflow around SVE wells with elevated VOC concentrations.

REBOUND MONITORING – FORMER BUILDING 2

Rebound monitoring commenced on the eastern vapor extraction well group on October 16, 2002 while the system remained operational. The system was shut off on November 11, 2002 and rebound monitoring was started on the western vapor extraction wells. Key western wells identified for rebound monitoring include 2-VEW-1B, 4, and 8B. Key wells were selected as specified in the standard operating procedures (SOP) prepared by Hargis (Hargis, 2002). Key eastern wells include 2-VEW-9, 10B, 11B, 15B, and 19. Because the vacuum from the operating western well field influenced the eastern wells (previously shutdown), initial eastern well rebound data has been discounted. Although the two well fields were initially shut down on different dates, rebound periods for the two well fields have been synchronized to November 11 as a baseline.

Concentrations for the system have been reduced 99% as indicated in Attachment 2, Table 8. Concentrations have decreased and become asymptotic as indicated in Attachment 2, Graph 7. As of Week 6 (December 23, 2002), six of the eight key wells met the criteria for closure as indicated in Attachment 2, Table 10 and Graphs 8 through 11. Wells 2-VEW-1B and 9 did not meet the criteria for closure at Week 6 due to measured concentrations higher than allowed under the SOP. An example of the logarithmic regression analysis for well 2-VEW1B is shown in Attachment 2, Graph 12. Although the concentrations from these wells are low (FID readings less than 25 ppmv), rebound monitoring will continue according to the SOP until Week 14.

The low flow vapor closure sampling will occur one week after the final round of samples is collected at Week 14. Soil samples required by the SOP were collected on January 10, 2003 and will be discussed in the closure report to be prepared in February 2003.

ACTIVITIES FOR NEXT QUARTER – FORMER BUILDING 2

Rebound monitoring on eastern wells and western wells will continue at 4 week intervals until the 80 percent rebound goal is achieved or 14 weeks of rebound monitoring has occurred. A GAC changeout will be conducted if the system is restarted.

A First Quarter 2003 report summarizing activities during the period January 2003 through March 2003 will be prepared and submitted to BRC in April 2003.

We appreciate the opportunity to provide environmental consulting services on this project. Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH, INC.

Richard M. Farson, PE
Senior Engineer

REGISTERED PROFESSIONAL ENGINEER
RICHARD M. FARSON
47269
EXPIRES 12/31/03
CIVIL
STATE OF CALIFORNIA

Scott P. Zachary
Project Manager

Enclosures:

Figure 1 – SVE System Locations Building 1/36 and Building 2
Figure 2 – Building 1/36 SVE Well Field Layout
Figure 3 – Building 1/36 SVE Well Head VOC Concentration Contours
Figure 4 – Building 2 SVE Well Field Layout
Figure 5 – Building 2 SVE Well Head VOC Concentration Contours
Figure 6 – Pre-SVE and August/September 2002 Soil Sampling Locations and Results
Attachment 1 – Building 1/36 SVE Operational Data
Attachment 2 – Building 2 SVE Operational Data

cc: John Scott, Boeing
Scott Zachary, Haley & Aldrich
Richard Farson, Haley & Aldrich
File

REFERENCES

Haley & Aldrich, Inc., 2002. Toxic Risk Assessment for Building 2 SVE Extended Pilot Test System, November 27.

Hargis and Associates, Inc., 2002. Soil Vapor Extraction System Closure Standard Operating Procedure, Revision 1.0 prepared for the Boeing Realty Corporation C-1 Facility, December 18.

Boeing Realty Corporation
15480 Laguna Canyon Road, Suite 200
Irvine, CA 92618
Telephone (949) 790-1900
Accounting Fax (949) 790-1907

29 January 03
C6-BRC-T-03-002

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

BOEING

Attention: John Geroch

Subject: **QUARTERLY REPORT NO. 5, FOURTH QUARTER 2002, EXTENDED SOIL VAPOR EXTRACTION PILOT TESTING AND INTERIM ACTION FULL SCALE IMPLEMENTATION, BOEING REALTY CORPORATION, FORMER C-6 FACILITY, 19503 SOUTH NORMANDIE AVENUE, LOS ANGELES, CA**

Dear Mr. Geroch:

Please find enclosed for your review, a copy of the subject document prepared by Haley & Aldrich for Boeing Realty Corporation.

If you have any questions concerning this document, please contact the undersigned at 562-593-8623.

Sincerely,

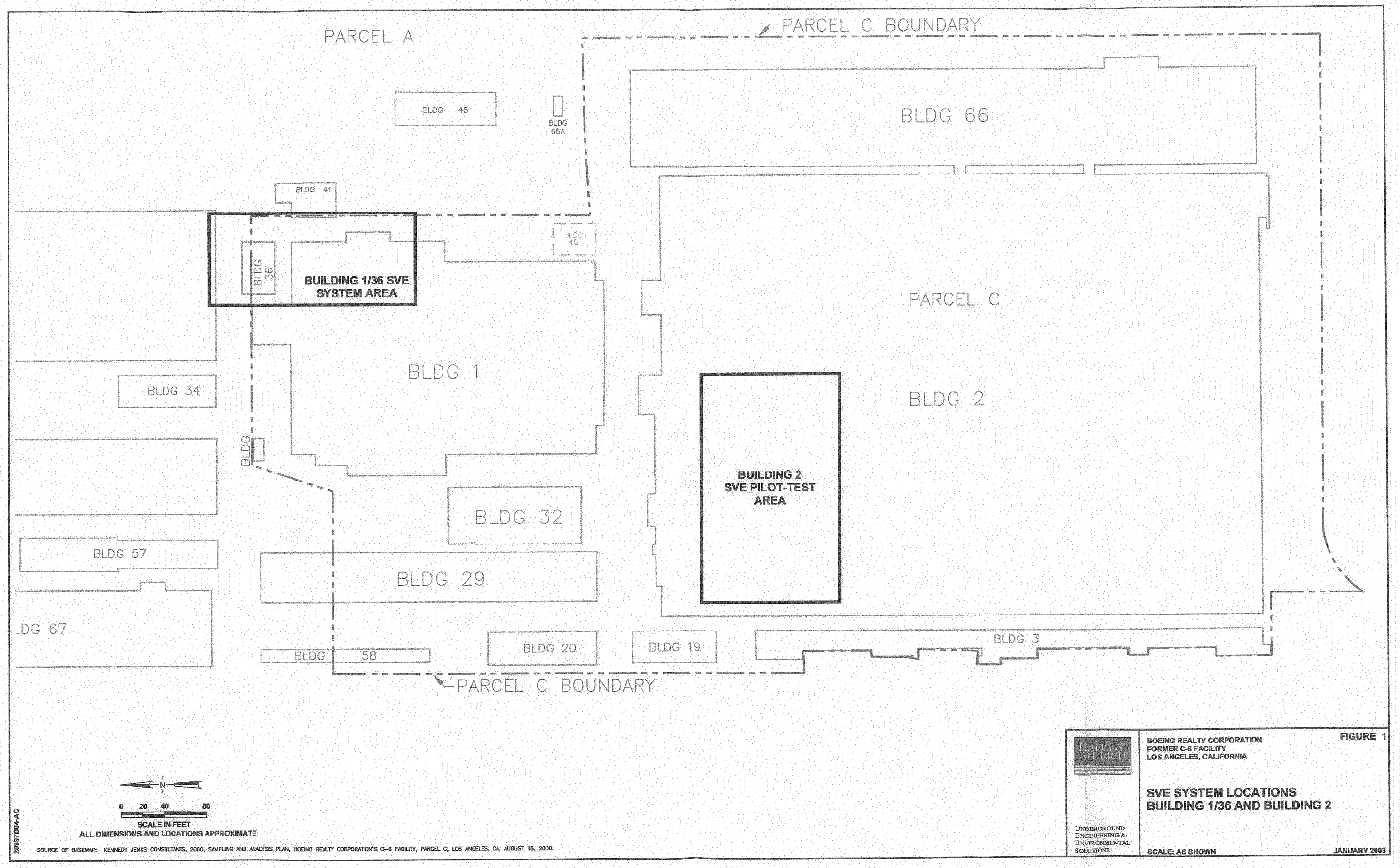
Stephanie Sibbett
Boeing Realty Corporation

Cc: Mario Stavale, Boeing Realty Corporation

enclosure

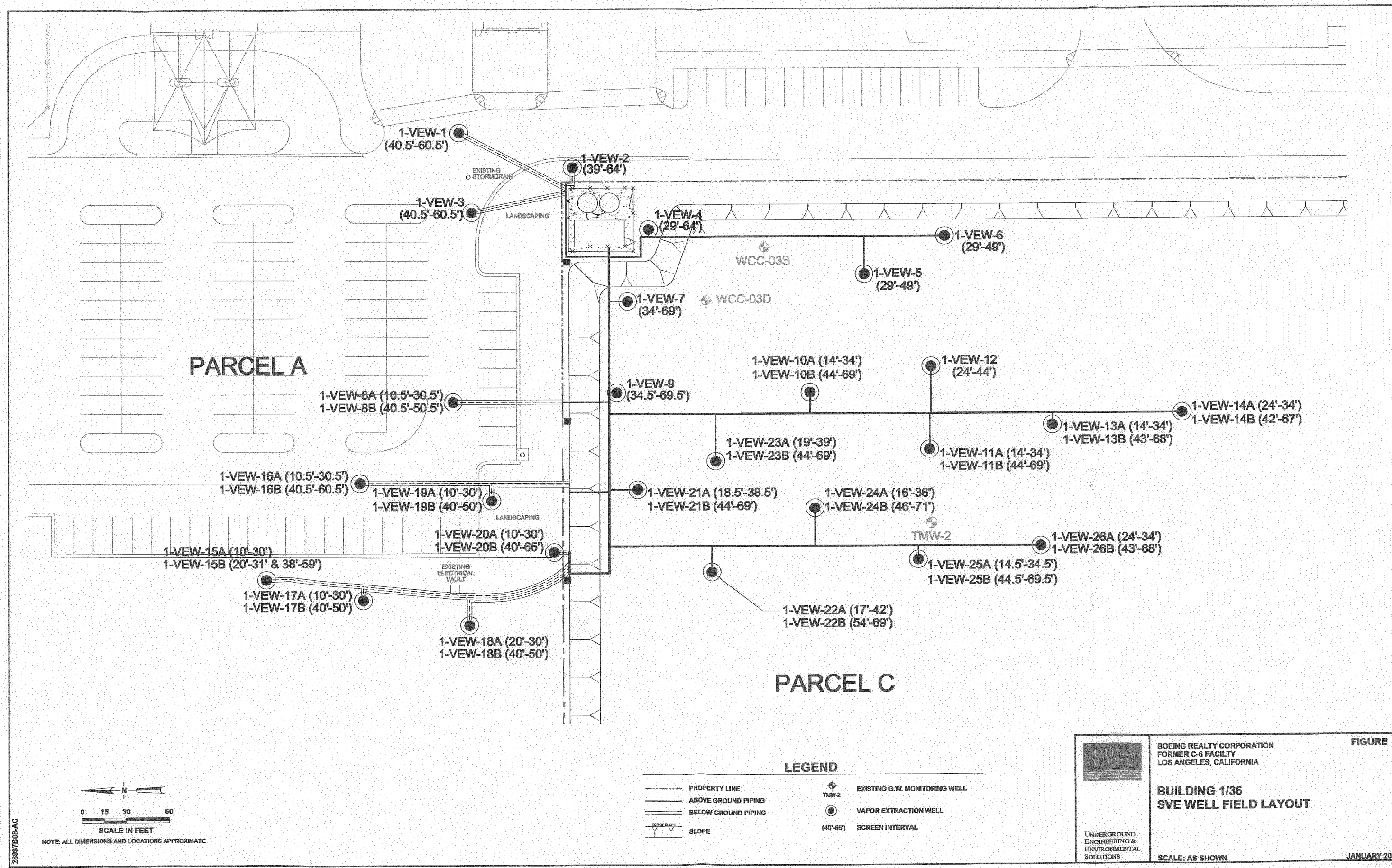
Figures

BOE-C6-0130553

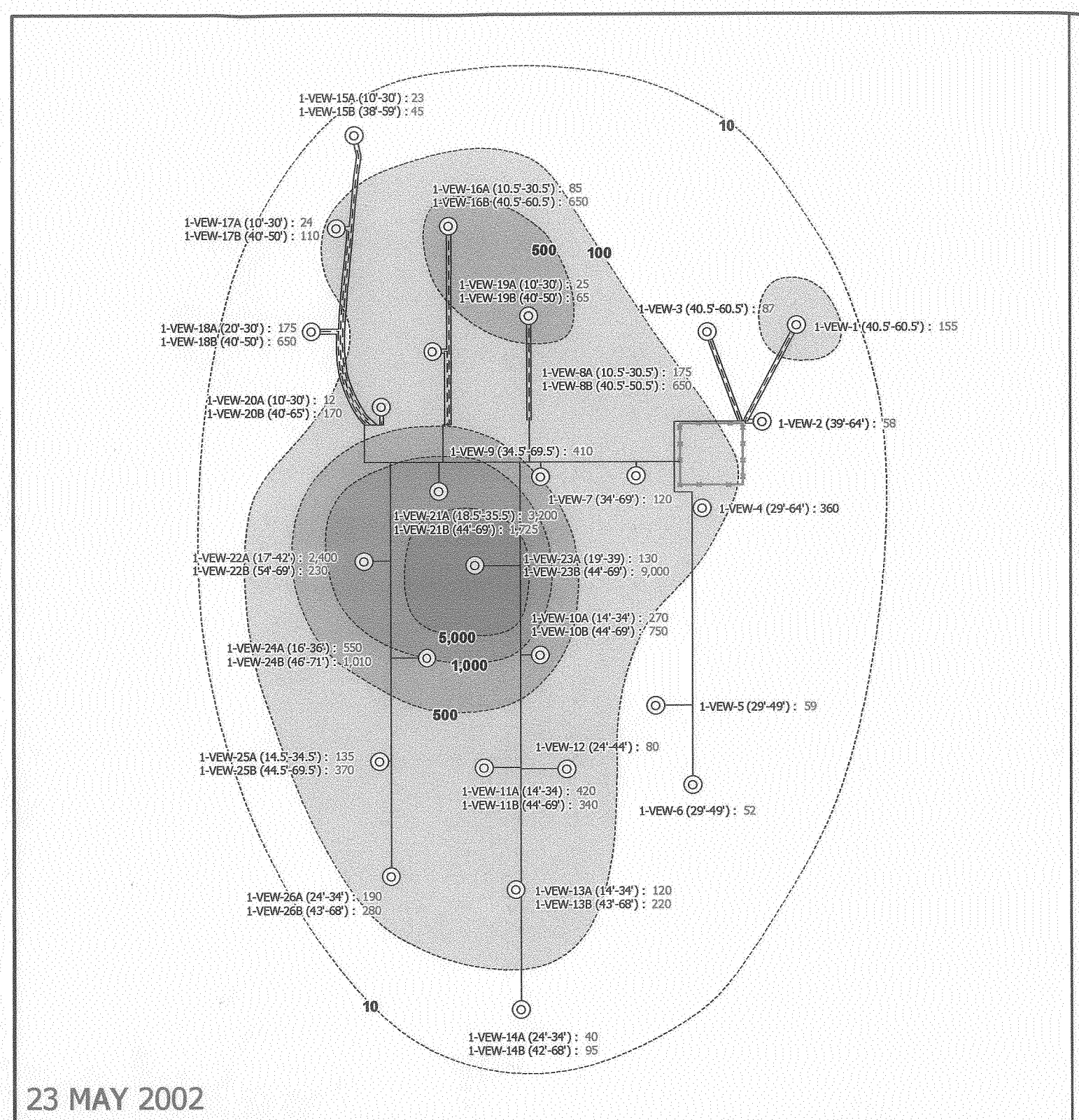


SOURCE OF BASEMAP: KENNEDY JENKS CONSULTANTS, 2000, SAMPLING AND ANALYSIS PLAN, BOEING REALTY CORPORATION'S C-6 FACILITY, PARCEL C, LOS ANGELES, CA, AUGUST 16, 2000.

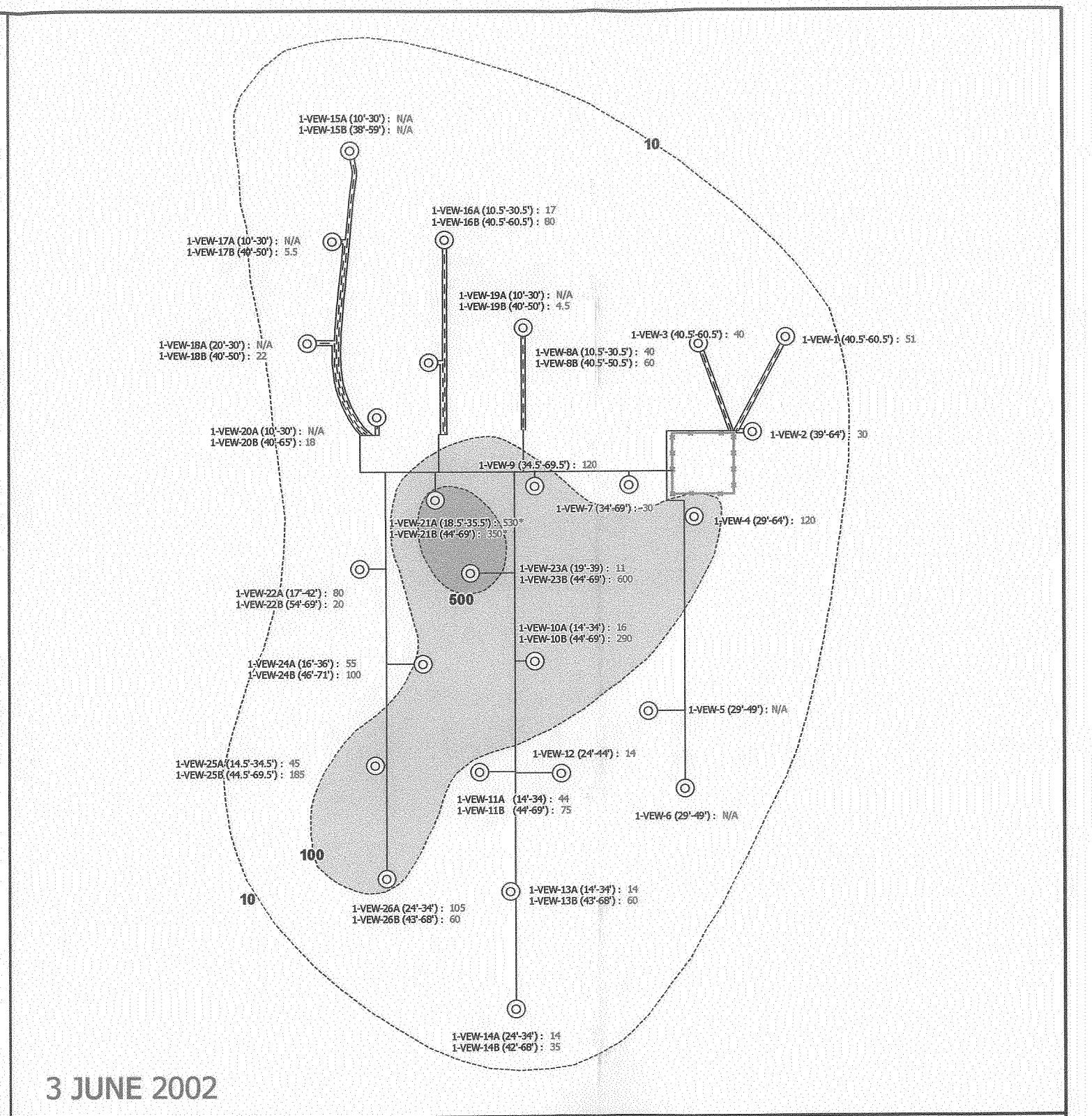
BOE-C6-0130554



BOE-C6-0130555



23 MAY 2002



3 JUNE 2002

Legend

- SVE - 10 ppmv - 100 ppmv
- SVE - 100 ppmv - 500 ppmv
- SVE - 500 ppmv - 1000 ppmv
- SVE - 1000 ppmv - 5000 ppmv
- SVE - 5000 ppmv - 10000 ppmv
- TMW-3 — Groundwater Monitoring Well
- 1- VEW-21A / 1- VEW-21B — Vapor Extraction Well
  - 3,200 SHALLOW
  - 1,725 DEEP

Note :
** = Estimated From PID Readings*

N

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY COMPANY
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE 3

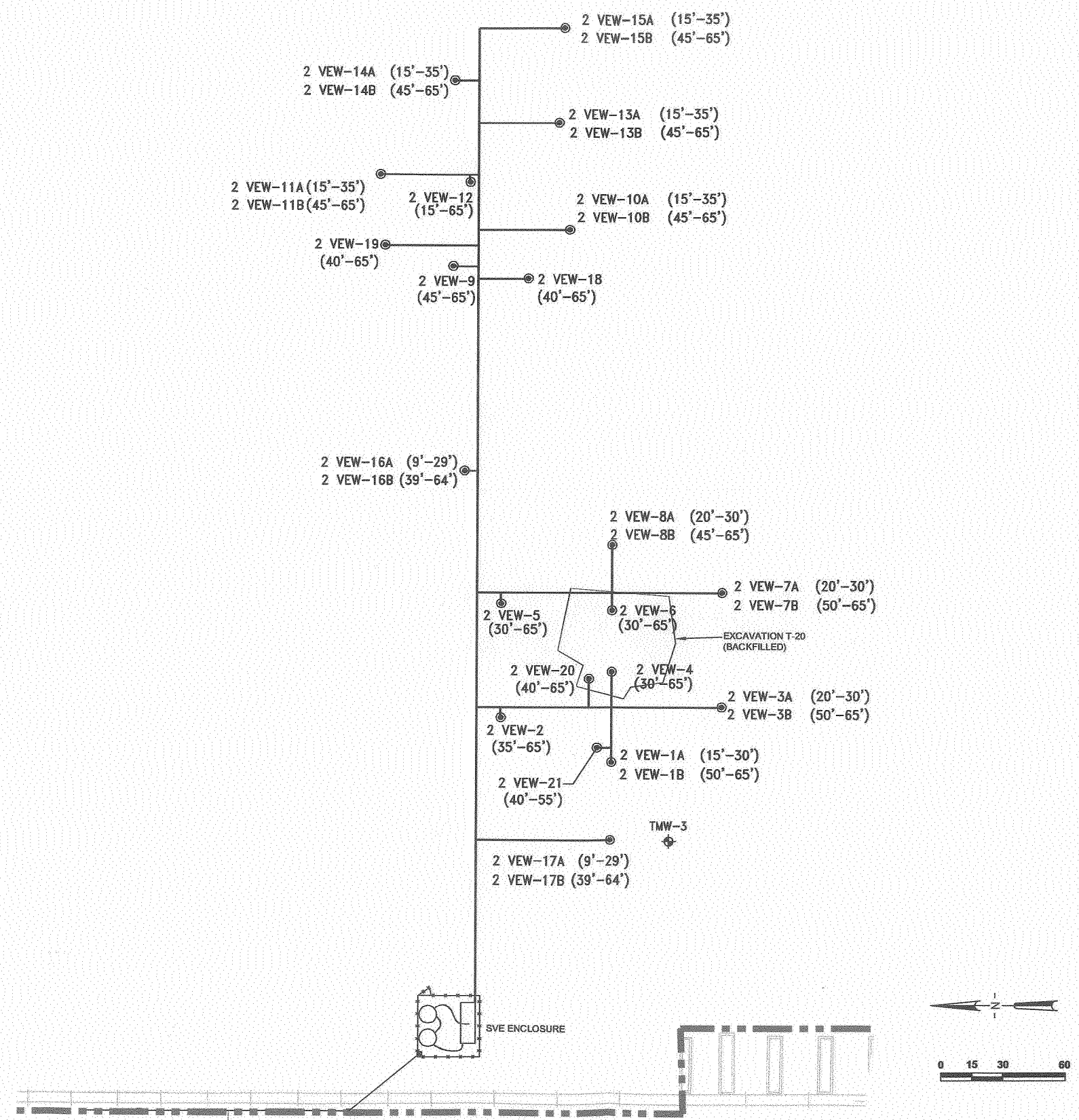
BUILDING 1/36 WELL HEAD VOC CONCENTRATION CONTOURS

NOT TO SCALE

JANUARY 2003

28997-005

BOE-C6-0130556



LEGEND

◉	VAPOR EXTRACTION WELL
⊕	GROUNDWATER MONITOR WELL
——	ABOVE-GROUND PIPING
(15'-30')	SCREENED INTERVALS (FEET BELOW GROUND SURFACE)
PPMV	PARTS PER MILLION BY VOLUME

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORPORATION
FORMER C-6 FACILTY
LOS ANGELES, CALIFORNIA

FIGURE 4

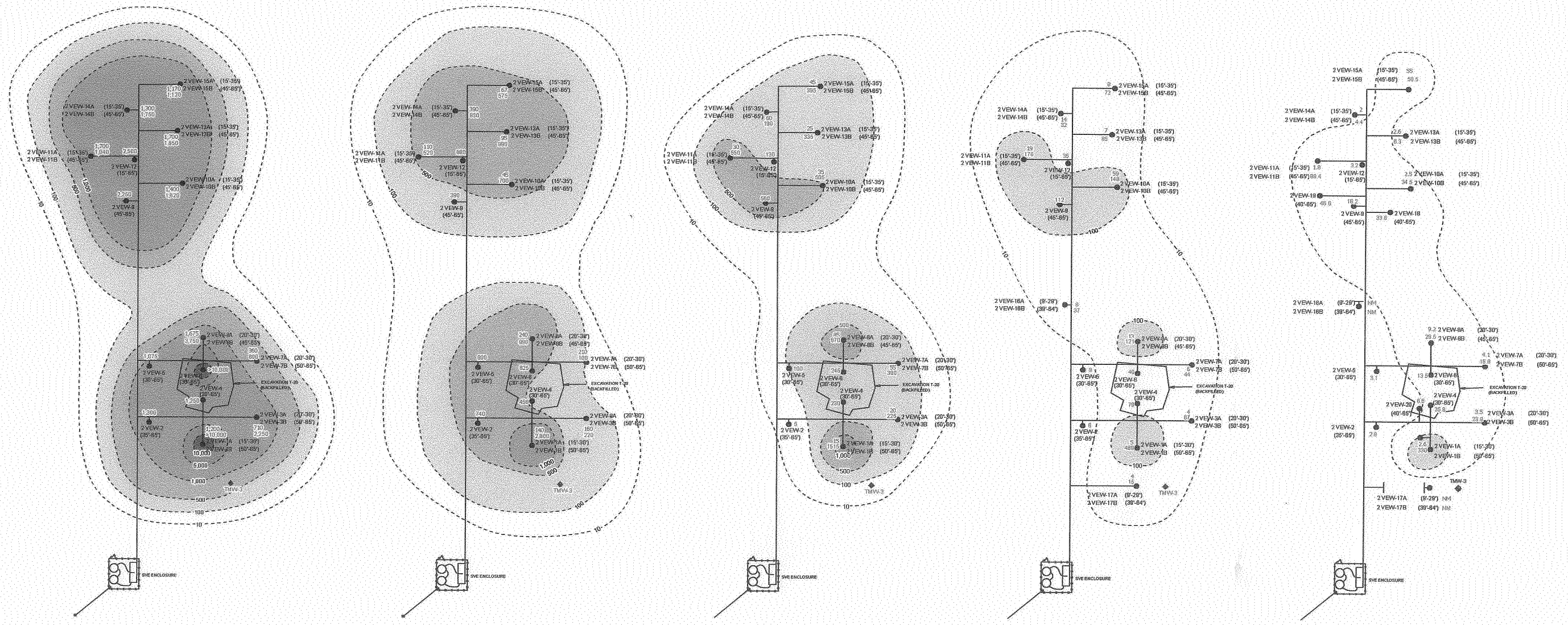
BUILDING 2 SVE PILOT TEST SYSTEM

SCALE: AS SHOWN

JANUARY 2003

28997B03-AC

BOE-C6-0130557



Legend

- SVE - 10 ppmv - 100 ppmv
- SVE - 100 ppmv - 500 ppmv
- SVE - 500 ppmv - 1000 ppmv
- SVE - 1000 ppmv - 5000 ppmv
- SVE - 5000 ppmv - 10000 ppmv
- SVE - 10000+ ppmv

TMW-3 — Groundwater Monitoring Well

2VEW-7A 2VEW-7B — Vapor Extraction Well

1,675 SHALLOW
3,750 DEEP

N

HALEY & ALDRICH
UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY COMPANY
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE 5

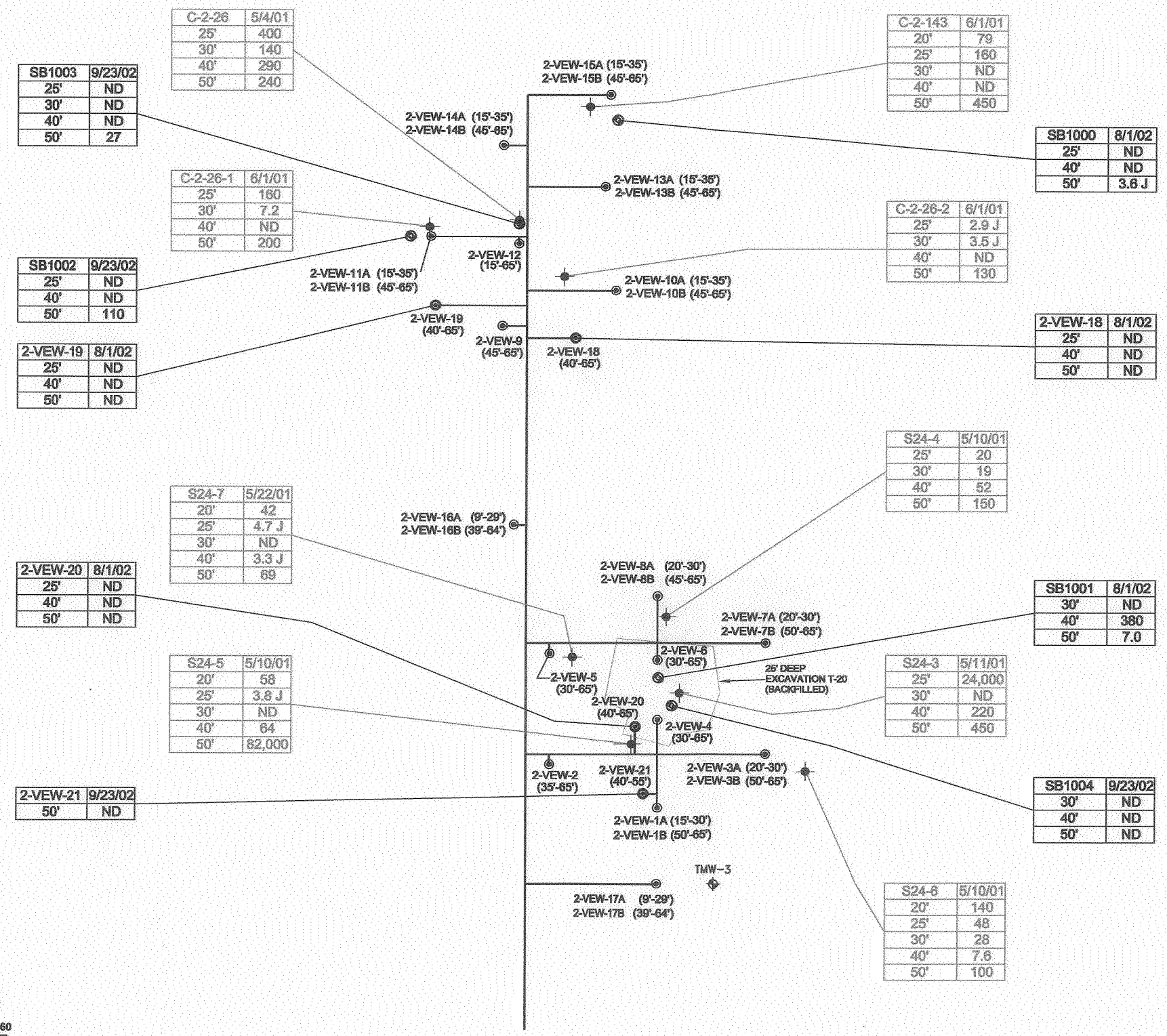
BUILDING 2 WELL HEAD VOC CONCENTRATION CONTOURS

NOT TO SCALE

JANUARY 2003

28997-005

BOE-C6-0130558



C-2-26	5/4/01
25'	400
30'	140
40'	290
50'	240

SB1003	9/23/02
25'	ND
30'	ND
40'	ND
50'	27

C-2-26-1	6/1/01
25'	160
30'	7.2
40'	ND
50'	200

SB1002	9/23/02
25'	ND
40'	ND
50'	110

2-VEW-19	8/1/02
25'	ND
40'	ND
50'	ND

S24-7	5/22/01
20'	42
25'	4.7 J
30'	ND
40'	3.3 J
50'	69

2-VEW-20	8/1/02
25'	ND
40'	ND
50'	ND

S24-5	5/10/01
20'	58
25'	3.8 J
30'	ND
40'	64
50'	82,000

2-VEW-21	9/23/02
50'	ND

C-2-143	6/1/01
20'	79
25'	160
30'	ND
40'	ND
50'	450

SB1000	8/1/02
25'	ND
40'	ND
50'	3.6 J

C-2-26-2	6/1/01
25'	2.9 J
30'	3.5 J
40'	ND
50'	130

2-VEW-18	8/1/02
25'	ND
40'	ND
50'	ND

S24-4	5/10/01
25'	20
30'	19
40'	52
50'	150

SB1001	8/1/02
30'	ND
40'	380
50'	7.0

S24-3	5/11/01
25'	24,000
30'	ND
40'	220
50'	450

SB1004	9/23/02
30'	ND
40'	ND
50'	ND

S24-6	5/10/01
20'	140
25'	48
30'	28
40'	7.6
50'	100

NOTES
1. SURVEY DATA PROVIDED BY TAIT ENVIRONMENTAL, INC.
2. ALL CONCENTRATIONS IN UNITS OF MICROGRAMS PER KILOGRAM (ug/Kg).
3. APPROXIMATE SURFACE ELEVATION AT TIME OF INVESTIGATION WAS 51.5 FEET MSL.
4. ND = NOT DETECTED ABOVE LABORATORY METHOD 8260B DETECTION LIMIT OF 2.0 (ug/Kg) FOR TCE.
5. J = RESULT IS BELOW LABORATORY REPORTING LIMIT (5.0 ug/Kg) AND IS ESTIMATED.

LEGEND

- PRE-SVE SOIL BORING LOCATION
- TMW-3 GROUNDWATER MONITORING WELLS
- AUGUST / SEPTEMBER 2002 SOIL BORING LOCATION
- AUGUST / SEPTEMBER 2002 SOIL BORING CONVERTED TO SOIL VAPOR EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL

BORING NAME — SAMPLE DATE

2-VEW-20	8/1/02
25'	ND

DEPTH bgs — TCE CONCENTRATION IN MICROGRAMS PER KILOGRAM (µg/Kg)

BLACK - AUGUST / SEPTEMBER 2002

BORING NAME — SAMPLE DATE

S24-6	5/10/01
20'	140

DEPTH bgs — TCE CONCENTRATION IN MICROGRAMS PER KILOGRAM (µg/Kg)

GREY - PRE-SVE SOIL SAMPLE

SOURCE OF BASEMAP: KENNEDY JENKS CONSULTANTS, 2000, SAMPLING AND ANALYSIS PLAN, BOEING REALTY CORPORATION'S C-6 FACILITY, PARCEL C, LOS ANGELES, CA, AUGUST 16, 2000.

26997B07-AC

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

BOEING REALTY CORPORATION
FORMER C-6 FACILITY
LOS ANGELES, CALIFORNIA

FIGURE 6

PRE-SVE AND AUGUST/SEPTEMBER 2002 SOIL SAMPLING LOCATIONS AND RESULTS

SCALE: AS SHOWN

JANUARY 2003

BOE-C6-0130559

Appendix A

BOE-C6-0130560

ATTACHMENT 1

BUILDING 1/36
SVE OPERATIONAL DATA

TABLE 1 - BUILDING 1/36 SVE SYSTEM INFLUENT LABORATORY DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

COMPOUND	SAMPLE DATE	1/3/2002	2/7/2002	3/6/2002	5/21/2002	6/3/2002
	SAMPLE TYPE	Diluted Inlet	Diluted Inlet	Diluted Inlet	Diluted Inlet	Diluted Inlet
	LAB ID	DILUTED_ BLDG1_ 010302	DILUTED_ BLDG1_ 022702	DILUTED_ BLDG1_ 030602	GAC0001D_ AV052102_0001	GAC0001D_ AV060302_0002
1,1 Dichloroethene (ppbv)		32,000	140,000	140,000	83,000	43,000
Methylene chloride (ppbv)		ND	300	2,500	6,200	8,400
1,1 Dichloroethane (ppbv)		1,400	3,700	5,700	2,200	2,700
1,2 Dichloroethane (ppbv)		ND	250	560	ND	ND
cis-1,2 Dichloroethene (ppbv)		380	1,600	2,800	1,400	1,700
1,1,1 Trichloroethane (ppbv)		34,000	170,000	220,000	15,000	220,000
1,1,2 Trichloroethane (ppbv)		ND	120	ND	ND	ND
Trichloroethene (ppbv)		12,000	45,000	61,000	48,000	29,000
Tetrachloroethene (ppbv)		ND	190	1,600	260	ND
Toluene (ppbv)		1,800	81,000	210,000	22,000	170,000
2-Butanone (MEK)		ND	ND	ND	62,000	150,000
4-Methyl-2-pentanone (MIBK)		ND	ND	250	2,100	14,000
Xylene (ppbv)		ND	1,700	5,000	910	2,500

Notes:
ppbv = parts per billion by volume
ND = Below method detction limits

TABLE 2 - BUILDING 1/36 SVE SYSTEM FIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

DATE	HOUR METER	TIME	UNDILUTED FLOW RATE (1) (scfm)	UNDILUTED VACUUM (inches H2O)	DILUTED FLOW RATE (1) (scfm)	DILUTED INFLUENT CONC. PID (2) (ppmv)	MID PONT CARBON CONC. PID (2) (ppmv)	EFFLUENT CARBON CONC. PID (2) (ppmv)	COMMENTS
7/2/2001	8	14:50	5	72	115	>2000	0.0	0.0	
7/13/2001	125	9:00	5	43	161	>2000	0.0	0.0	
7/20/2001	253	8:07	5	35	178	>2000	0.0	0.0	
7/27/2001	426	8:46	5	35	178	1000	2.0	1.0	
8/1/2001	551	10:25	5	35	150	850	1.0	1.4	
8/3/2001	598	8:36	11	96	34	3000	6.1	0.0	
8/10/2001	778	16:20	NR	20	109	1415	20.5	0.0	
8/17/2001	952	18:40	NR	51	112	392	128.0	0.0	System shut down, Carbon Changeout
9/11/2001	954	14:23	26	53	90	370	0.2	0.1	
9/17/2001	1105	18:00	5	60	96	340	0.1	0.1	
9/24/2001	1206	15:00	12	59	93	880	0.1	0.1	
9/27/2001	1274	9:45	35	55	91	870	0.0	0.0	
9/28/2001	1299	11:00	14	77	32	>2000	0.0	0.0	
10/1/2001	1371	10:00	23	64	32	1170	0.0	0.0	System shut down, site grading and well replacement
12/13/2001	1399	15:00	7	54	200	1515	1.5	0.0	
12/20/2001	1483	14:15	6	47	200	800	430.0	0.0	System shut down, Carbon changeout
01/03/02	1625	13:15	32	48	200	320	0.0	0.0	
01/10/02	1794	14:00	30	17	200	390	0.1	0.0	
01/18/02	1980	8:30	3	15	184	760	0.0	0.0	
01/24/02	2127	11:00	93	15	178	>9,999	0.0	0.0	
01/31/02	2294	13:45	NR	13	175	4,000	63	0.0	GAC Changeout
02/07/02	2324	16:50	50	13	165	3,540	2	0.0	
02/15/02	2517	17:50	40	NR	170	3,600	26	0.1	
02/21/02	2661	17:44	47	13	170	4,300	240	0.0	GAC Changeout
02/27/02	2661	14:17	46	14	185	3,900	1.5	0.0	
03/06/02	2828	13:40	110	17	195	>9,999	45	0.2	GAC Changeout
03/13/02	2995	16:20	56	14	163	4,550	2	0.0	
03/20/02	3155	8:30	NR	19.5	183	3,700	2	0.2	
03/29/02	3371	8:15	60	13	166	2,864	57	0.2	System shut-down and removal
						Pilot system removed			

BOE-C6-0130563

TABLE 2 - BUILDING 1/36 SVE SYSTEM FIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

DATE	HOUR METER	TIME	UNDILUTED FLOW RATE (1) (scfm)	UNDILUTED VACUUM (inches H2O)	DILUTED FLOW RATE (1) (scfm)	DILUTED INFLUENT CONC. FID (3) (ppmv)	MID PONT CARBON CONC. FID (3) (ppmv)	EFFLUENT CARBON CONC. FID (3) (ppmv)	COMMENTS
05/15/02	5	16:50	985	96	995	375 *	0.1 *	0.7 *	
05/16/02	31	17:45	1040	91	1060	320 *	14.2 *	0.2 *	
05/17/02	55	17:20	915	69	985	310 *	0.0 *	0.1 *	
05/18/02	76	14:40	840	90	870	845	45.0	0.0	Primary vessel switched
05/19/02	97	11:40	875	88	905	780	18.0	10.0	
05/20/02	119	10:00	900	88	905	725	14.0	12.0	
05/21/02	143	14:50	935	72	975	160	34.0	7.5	GAC Changeout
05/22/02	169	17:10	925	77	950	330	9.8	7.0	
05/23/02	190	14:35	925	62	815	355	9.8	9.0	
05/24/02	208	8:41	403	61	400	1,250	13.0	12.0	
05/25/02	236	12:40	383	60	377	850	10.5	9.0	
05/26/02	259	11:20	392	61	364	1,000	13.0	11.8	
05/27/02	283	11:24	402	60	368	1,000	25.0	12.0	GAC Changeout
05/29/02	286	17:30	830	95	795	245 *	0.0 *	0.0 *	
06/03/02	400	10:00	780	109	760	350	60.0	7.5	Primary vessel switched
Carbon bed overheating discovered 6/12/02. System shut down and awaiting retrofit design.									

Notes:
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus or orifice plate
(2) Measurements taken with a MiniRAE PGM 7600 PID calibrated to 100 ppmv Hexane.
(3) Measurements taken with a Foxboro OVA-108 PID calibrated to 100 ppmv Hexane.
* PID Adjusted to FID equivalents as Hexane by multplying PID Reading by 0.35 (Hexane Equiv = PID Reading x PID CF X FID RF)
scfm = standard cubic feet per minute
ppmv = parts per million by volume
NR = Not Recorded
H2O = water
CONC = concentration
PID = photoionization detector
FID=: flame ionization detector
> = Greater than

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-1	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.5	NA	"
	5/23/2002	11:21	4.41	9	115	Well Opened
	5/23/2002	12:38	18.9	40	125	"
	5/23/2002	14:19	37.6	96	155	"
	6/3/2002	10:00	39	90	51	"
1-VEW-2	3/6/2002	13:40	NA	0.5	NA	Well Closed
	3/29/2002	8:15	NA	1	NA	"
	5/23/2002	11:24	5.45	9	49	Well Opened
	5/23/2002	12:35	21.2	35.5	51	"
	5/23/2002	14:23	47.2	96	58	"
	6/3/2002	10:00	45	90	30	"
1-VEW-3	3/6/2002	13:40	NA	0.1	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/23/2002	11:17	3.37	8.5	32	Well Opened
	5/23/2002	12:43	15.6	42	87	"
	5/23/2002	14:13	30.2	96	82	"
	6/3/2002	10:00	24	69	40	"
1-VEW-4	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.4	NA	"
	5/23/2002	10:45	2.61	13	8	Well Opened
	5/23/2002	NA	7.05	34.5	360	"
	5/23/2002	14:08	18.1	96	230	"
	6/3/2002	10:00	9	51	120	"
1-VEW-5	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.5	NA	"
	5/21/2002	11:38	6.9	12	59	Well Opened
	5/21/2002	13:02	15.6	19	16	"
	5/21/2002	12:45	32.1	34	29	"
	6/3/2002	10:00	NA	10	NA	Well Closed
1-VEW-6	3/6/2002	13:40	NA	2.2	NA	Well Closed
	3/29/2002	8:15	NA	1.6	NA	"
	5/21/2002	11:25	6.3	8	52	Well Opened
	5/21/2002	13:05	16.5	15	16	"
	5/21/2002	12:50	33.3	30	30	"
	6/3/2002	10:00	NA	7	NA	Well Closed

BOE-C6-0130565

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-7	3/6/2002	13:40	NA	1.9	NA	Well Closed
	3/29/2002	8:15	NA	0.1	NA	"
	5/23/2002	10:38	9.85	13	44	Well Opened
	5/23/2002	11:37	42.1	41	85	"
	5/23/2002	13:58	92	95	120	"
	6/3/2002	10:00	88	88	30	"
1-VEW-8A	3/6/2002	13:40	NA	0.5	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/22/2002	11:25	10.75	11.5	175	Well Opened
	5/22/2002	14:23	63	41.5	150	"
	5/22/2002	15:32	112	82	142	"
	6/3/2002	10:00	33	22	40	"
1-VEW-8B	3/6/2002	13:40	NA	0.3	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/17/2002	NA	3.7	14	565	Well Opened
	5/17/2002	NA	6.05	43	650	"
	5/17/2002	NA	11.3	72	510	"
	6/3/2002	10:00	10	90	60	"
1-VEW-9	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/23/2002	10:30	4.33	13	63	"
	5/23/2002	13:05	27.7	45	410	Well Opened
	5/23/2002	13:56	46.4	95	305	"
	6/3/2002	10:00	49	88	120	"
1-VEW-10A	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/16/2002	NA	2.7	26	270	Well Opened
	5/16/2002	NA	11	54	195	"
	5/16/2002	NA	19.8	18	35	"
	6/3/2002	10:00	19	65	16	"
1-VEW-10B	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:05	2.74	20	290	Well Opened
	5/20/2002	15:45	12.7	25	750	"
	5/20/2002	16:53	21	78	600	"
	6/3/2002	10:00	29	60	290	"

BOE-C6-0130566

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-11A	3/6/2002	13:40	NA	4.7	NA	Well Closed
	3/29/2002	8:15	NA	2.8	NA	"
	5/15/2002	18:08	5.3	40	400	Well Opened
	5/15/2002	19:22	5.6	>100	400	"
	5/15/2002	18:57	20.1	52	420	"
	6/3/2002	10:00	22	90	44	Well Closed
1-VEW-11B	3/6/2002	13:40	NA	5.0	NA	Well Closed
	3/29/2002	8:15	NA	3.0	NA	"
	5/18/2002	9:40	2.16	23.5	270	Well Opened
	5/18/2002	11:50	7.7	38	340	"
	5/18/2002	13:35	15.5	60	280	"
	6/3/2002	10:00	29	50	75	"
1-VEW-12	3/6/2002	13:40	NA	3.5	NA	Well Closed
	3/29/2002	8:15	NA	2.2	NA	"
	5/21/2002	11:45	6.2	18.5	80	Well Opened
	5/21/2002	13:44	17.3	43	65	"
	5/21/2002	12:40	32.3	90	63	"
	6/3/2002	10:00	17	55	14	Well Closed
1-VEW-13A	3/6/2002	13:40	NA	3.0	NA	Well Closed
	3/29/2002	8:15	NA	2.0	NA	"
	5/15/2002	18:23	5.4	20	84	Well Opened
	5/15/2002	19:05	11.2	56	95	"
	5/15/2002	19:29	28.1	>100	120	"
	6/3/2002	10:00	59	87	14	"
1-VEW-13B	3/6/2002	13:40	NA	2.9	NA	Well Closed
	3/29/2002	8:15	NA	2.2	NA	"
	5/18/2002	NA	1.84	18.5	63	Well Opened
	5/18/2002	NA	8.3	33	220	"
	5/18/2002	NA	18.6	60.5	200	"
	6/3/2002	10:00	26	45	60	"
1-VEW-14A	3/6/2002	13:40	NA	0.4	NA	Well Closed
	3/29/2002	8:15	NA	0.4	NA	"
	5/15/2002	18:48	5.3	24	27	Well Opened
	5/15/2002	19:11	15	30	27	"
	5/15/2002	19:37	27	>100	40	"
	6/3/2002	10:00	22	64	14	Well Closed

BOE-C6-0130567

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-14B	3/6/2002	13:40	NA	1.8	NA	Well Closed
	3/29/2002	8:15	NA	1.8	NA	"
	5/18/2002	NA	7.1	15.5	65	Well Opened
	5/18/2002	NA	34.2	33.5	95	"
	5/18/2002	NA	65	61	85	"
	6/3/2002	10:00	38	40	35	"
1-VEW-15A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.0	NA	"
	5/22/2002	12:14	16.4	6.5	13.5	Well Opened
	5/22/2002	13:51	74	35	23	"
	5/22/2002	16:00	138	80	19.5	"
	6/3/2002	10:00	84	61	NA	Well Closed
1-VEW-15B	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.0	NA	"
	5/17/2002	NA	12	4	12	Well Opened
	5/17/2002	NA	60.5	27	45	"
	5/17/2002	NA	117	72	40	"
	6/3/2002	10:00	74	34	NA	Well Closed
1-VEW-16A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.2	NA	"
	5/22/2002	11:43	3.72	11	85	Well Opened
	5/22/2002	14:17	23.9	72	68	"
	5/22/2002	15:41	25.1	82	75	"
	6/3/2002	10:00	18	70	17	"
1-VEW-16B	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.5	NA	"
	5/17/2002	NA	3.6	11	510	Well Opened
	5/17/2002	NA	16.1	25	650	"
	5/17/2002	NA	39.3	74	610	"
	6/3/2002	10:00	22	65	80	"
1-VEW-17A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.1	NA	"
	5/22/2002	12:00	6.55	7	24	Well Opened
	5/22/2002	13:57	29.2	35	9.5	"
	5/22/2002	15:54	58.5	80	5.6	"
	6/3/2002	10:00	NA	NA	NA	Well Closed

BOE-C6-0130568

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-17B	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.2	NA	"
	5/17/2002	NA	4.5	6	110	Well Opened
	5/17/2002	NA	24.2	36	110	"
	5/17/2002	NA	41.5	72	110	"
	6/3/2002	10:00	40	58	6	"
1-VEW-18A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.3	NA	"
	5/22/2002	12:18	2.8	33.5	12.2	Well Opened
	5/22/2002	13:45	9.25	72	10.5	"
	5/22/2002	16:08	19.4	80	9.5	"
	6/3/2002	10:00	NA	NA	NA	Well Closed
1-VEW-18B	3/6/2002	13:40	NA	0.2	NA	Well Closed
	3/29/2002	8:15	NA	0.4	NA	"
	5/17/2002	NA	3	2	7.9	Well Opened
	5/17/2002	NA	12.75	16	73	"
	5/17/2002	NA	32.5	72	85	"
	6/3/2002	10:00	32	86	22	"
1-VEW-19A	3/6/2002	13:40	NA	0.0	NA	Well Closed
	3/29/2002	8:15	NA	0.0	NA	"
	5/22/2002	11:49	6.55	9.5	25.1	Well Opened
	5/22/2002	14:12	35.2	40	13	"
	5/22/2002	15:48	64.5	82	11.7	"
	6/3/2002	10:00	NA	15	NA	Well Closed
1-VEW-19B	3/6/2002	13:40	NA	0.6	NA	Well Closed
	3/29/2002	8:15	NA	0.6	NA	"
	5/17/2002	NA	3.5	14	59	Well Opened
	5/17/2002	NA	15.8	34	65	"
	5/17/2002	NA	43.1	74	60	"
	6/3/2002	10:00	16	87	5	"
1-VEW-20A	3/6/2002	13:40	NA	1.3	NA	Well Closed
	3/29/2002	8:15	NA	0.9	NA	"
	5/22/2002	12:23	2.87	9	11	Well Opened
	5/22/2002	13:39	14.1	31.5	11.8	"
	5/22/2002	16:12	33.1	80	4.2	"
	6/3/2002	10:00	NA	10	NA	Well Closed

BOE-C6-0130569

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-20B	3/6/2002	13:40	NA	1.4	NA	Well Closed
	3/29/2002	8:15	NA	1.0	NA	"
	5/17/2002	10:30	2.32	14	100	Well Opened
	5/17/2002	NA	10.7	22	170	"
	5/17/2002	NA	32.6	72	105	"
	6/3/2002	10:00	33	61	18	"
1-VEW-21A	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/16/2002	NA	3.57	39	3040	Well Opened
	5/16/2002	NA	5.4	48	3200	"
	5/16/2002	NA	37.7	96	2900	"
	6/3/2002	10:00	28	55	NA	"
1-VEW-21B	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:22	1.74	15	700	Well Opened
	5/20/2002	15:28	4.5	45	1030	"
	5/20/2002	17:24	36.3	79	1725	"
	5/21/2002	9:55	48.3	92	1200	"
	6/3/2002	10:00	47	90	NA	"
1-VEW-22A	3/6/2002	13:40	NA	5.0	NA	Well Closed
	3/29/2002	8:15	NA	3.1	NA	"
	5/16/2002	NA	3.1	28	2200	Well Opened
	5/16/2002	NA	10.6	52	2400	"
	5/16/2002	NA	18.05	92	1600	"
	6/3/2002	10:00	18	74	80	"
1-VEW-22B	3/6/2002	13:40	NA	5.1	NA	Well Closed
	3/29/2002	8:15	NA	3.1	NA	"
	5/20/2002	13:30	4.12	16	37	Well Opened
	5/20/2002	15:20	21.1	40	72	"
	5/20/2002	17:35	37	77	179	"
	5/21/2002	10:07	43.6	91	230	"
	6/3/2002	10:00	51	88	20	"
1-VEW-23A	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/16/2002	NA	3.25	20	130	Well Opened
	5/16/2002	NA	12.5	49	45	"
	5/16/2002	NA	21.4	20	35	"
	6/3/2002	10:00	14	40	11	Well Closed

BOE-C6-0130570

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-23B	3/6/2002	13:40	NA	NA	NA	Well Closed
	3/29/2002	8:15	NA	NA	NA	"
	5/20/2002	13:16	2.67	15	46	Well Opened
	5/20/2002	15:38	10	23	1700	"
	5/20/2002	17:08	19.5	79	9000	"
	5/21/2002	9:48	46.3	94	8000	"
	6/3/2002	10:00	37	90	600	"
1-VEW-24A	1/18/2002	10:40	NA	88	> 9,999 *	Well opened
	1/24/2002	11:00	NA	75	> 9,999 *	"
	1/31/2002	13:45	33	23	> 9,999	"
	2/7/2002	16:50	31	26	> 9,999	"
	2/15/2002	17:51	NA	NA	> 9,999 *	"
	2/21/2002	17:44	46.5	30	> 9,999	"
	2/27/2002	14:17	32	30	> 9,999	"
	3/6/2002	13:40	94	64	> 9,999	"
	3/13/2002	16:20	45	30	> 9,999	"
	3/20/2002	8:30	42	32	> 9,999	"
	3/29/2002	8:15	9	28	4,000	"
	5/16/2002	NA	8.85	24	450	"
	5/16/2002	NA	33.7	42	550	"
	5/16/2002	NA	77.5	90	520	"
	6/3/2002	10:00	43	56	55	"
	12/13/2001	15:00	10	54	> 9,999 *	Well opened
	12/20/2001	14:15	5	47	> 800 *	"
1-VEW-24B	1/3/2002	13:15	32	48	> 320 *	"
	1/10/2002	14:00	30	48	> 700 *	"
	1/18/2002	8:25	25	90	> 760 *	"
	1/18/2002	10:40	NA	90	> 2,500 *	"
	1/24/2002	11:00	93	90	> 9,999 *	"
	1/31/2002	13:45	9	23	> 9,999	"
	2/7/2002	16:50	9	26	> 9,999	"
	2/15/2002	17:51	NA	NA	> 9,999 *	"
	2/21/2002	17:44	11	30	> 9,999	"
	2/27/2002	14:17	8	31	> 9,999	"
	3/6/2002	13:40	13	64	> 9,999	"
	3/13/2002	16:20	10.5	30	> 9,999	"
	3/20/2002	8:30	5.8	32	> 9,999	"
	3/29/2002	8:15	38	28	> 9,999	"
	5/20/2002	13:43	1.08	15	42	"
	5/20/2002	15:10	4.4	41	490	"
	5/20/2002	17:45	28.4	77	1010	"
	5/21/2002	10:16	41.4	91	635	"
	6/3/2002	10:00	30	70	100	"

BOE-C6-0130571

TABLE 3 - BUILDING 1/36 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

WELL ID	DATE	TIME	FLOW RATE (scfm)	VACUUM (inches H2O)	WELLHEAD PID (ppmv)	COMMENTS
1-VEW-25A	3/6/2002	13:40	NA	5.5	NA	Well Closed
	3/29/2002	8:15	NA	3.7	NA	"
	5/16/2002	NA	2.68	23	125	Well Opened
	5/16/2002	NA	13.5	44	135	"
	5/16/2002	NA	28	90	120	"
	6/3/2002	10:00	25	46	45	"
1-VEW-25B	3/6/2002	13:40	NA	5.9	NA	Well Closed
	3/29/2002	8:15	NA	3.5	NA	"
	5/18/2002	10:17	1.36	23	280	Well Opened
	5/18/2002	12:30	3.75	35.5	370	"
	5/18/2002	14:23	7.65	61	310	"
	6/3/2002	10:00	19	45	185	"
1-VEW-26A	3/6/2002	13:40	NA	3.7	NA	Well Closed
	3/29/2002	8:15	NA	2.7	NA	"
	5/16/2002	10:50	5.45	37	95	Well Opened
	5/16/2002	NA	24.5	90	190	"
	5/16/2002	NA	33.5	>100	95	"
	6/3/2002	10:00	55	85	105	"
1-VEW-26B	3/6/2002	13:40	NA	3.8	NA	Well Closed
	3/29/2002	8:15	NA	2.8	NA	"
	5/18/2002	NA	5.15	19.5	260	Well Opened
	5/18/2002	NA	23	35	280	"
	5/18/2002	NA	43.6	61	240	"
	6/3/2002	10:00	24	36	60	"

Notes:
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus
(2) Measurements taken with a Foxboro OVA FID calibrated to 100 ppmv Hexane, results as Hexane
* Well head readings not taken. Estimates based on diluted inlet concentrations
ppmv = parts per million by volume
scfm = standard cubic foot per minute (acfm corrected for vacuum and temperature)
NA = data was not recorded or available
H2O = water
CONC = concentration
PID = photoionization detector
> = Greater than
" = Information is the same as the previous entry

BOE-C6-0130572

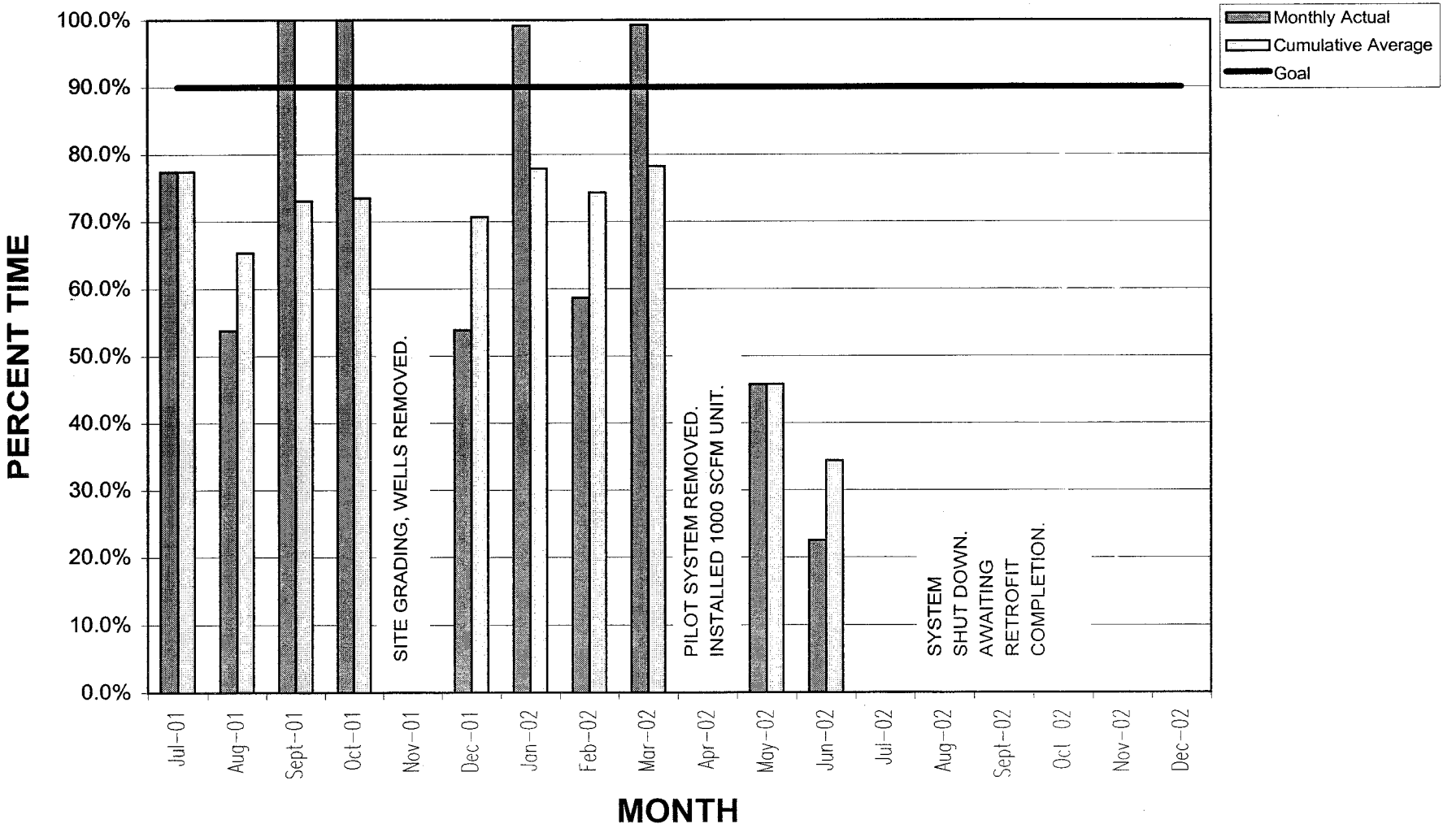
TABLE 4 - BUILDING 1/36 PRE-START UP SAMPLING

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 1/36 SVE system

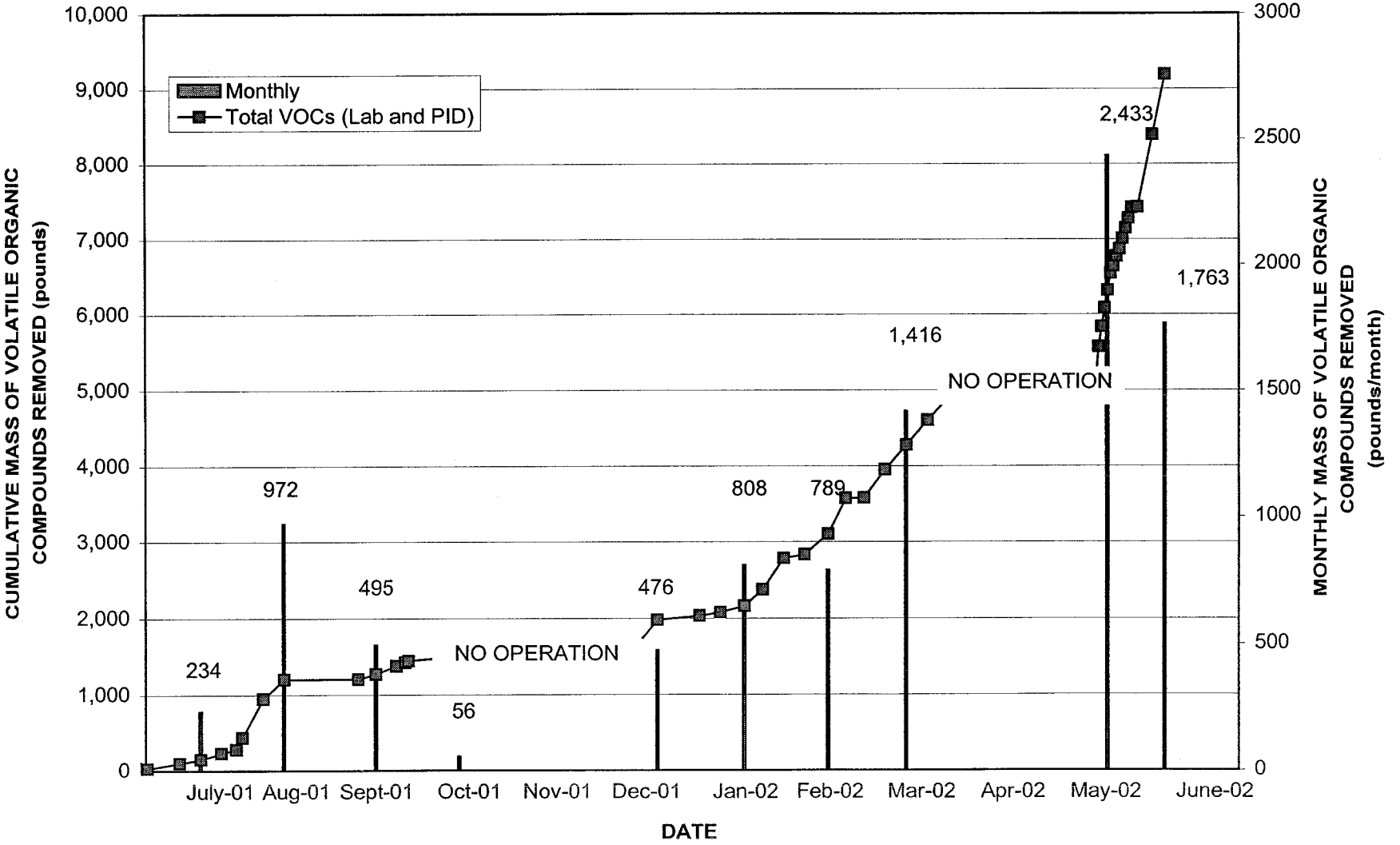
WELL	Methyl Ethyl Ketone	Total Non-Methane Hydrocarbons
	(ppmv)	(ppmv)
1-VEW-9	13	470
1-VEW-23A	14	450
1-VEW-23B	29	420
1-VEW-21A	620	<2500
1-VEW-12	ND	54
1-VEW-7	ND	380
1-VEW-22A	0.15	10
1-VEW-22B	0.12	17
1-VEW-10A	22	29
1-VEW-10B	0.44	2.2
1-VEW-24A	ND	9.5
1-VEW-24B	ND	12
1-VEW-25A	ND	53
1-VEW-25B	0.097	17
1-VEW-11A	0.29	16
1-VEW-11B	ND	89
1-VEW-20A	0.023	1.3
1-VEW-20B	ND	110
1-VEW-19A	0.026	4.6
1-VEW-19B	0.6	17
1-VEW-18A	0.46	1.2
1-VEW-18B	0.35	9.5
1-VEW-8A	ND	51
1-VEW-8B	ND	210

Notes:
ppmv = parts per million by volume
ND = below method detction limits
< = less than

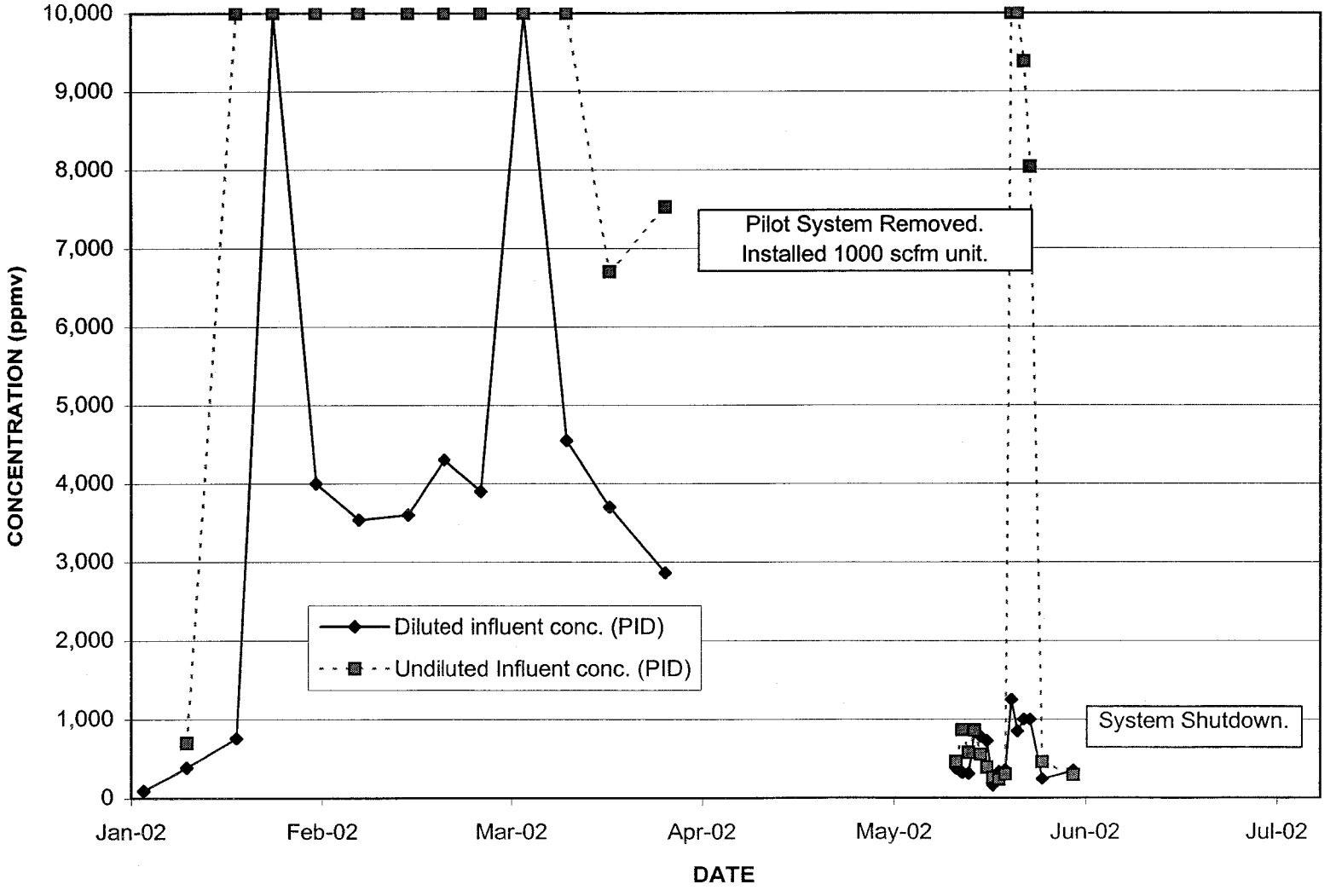
GRAPH 1
BUILDING 1/36 MONTHLY PERCENT OPERATION

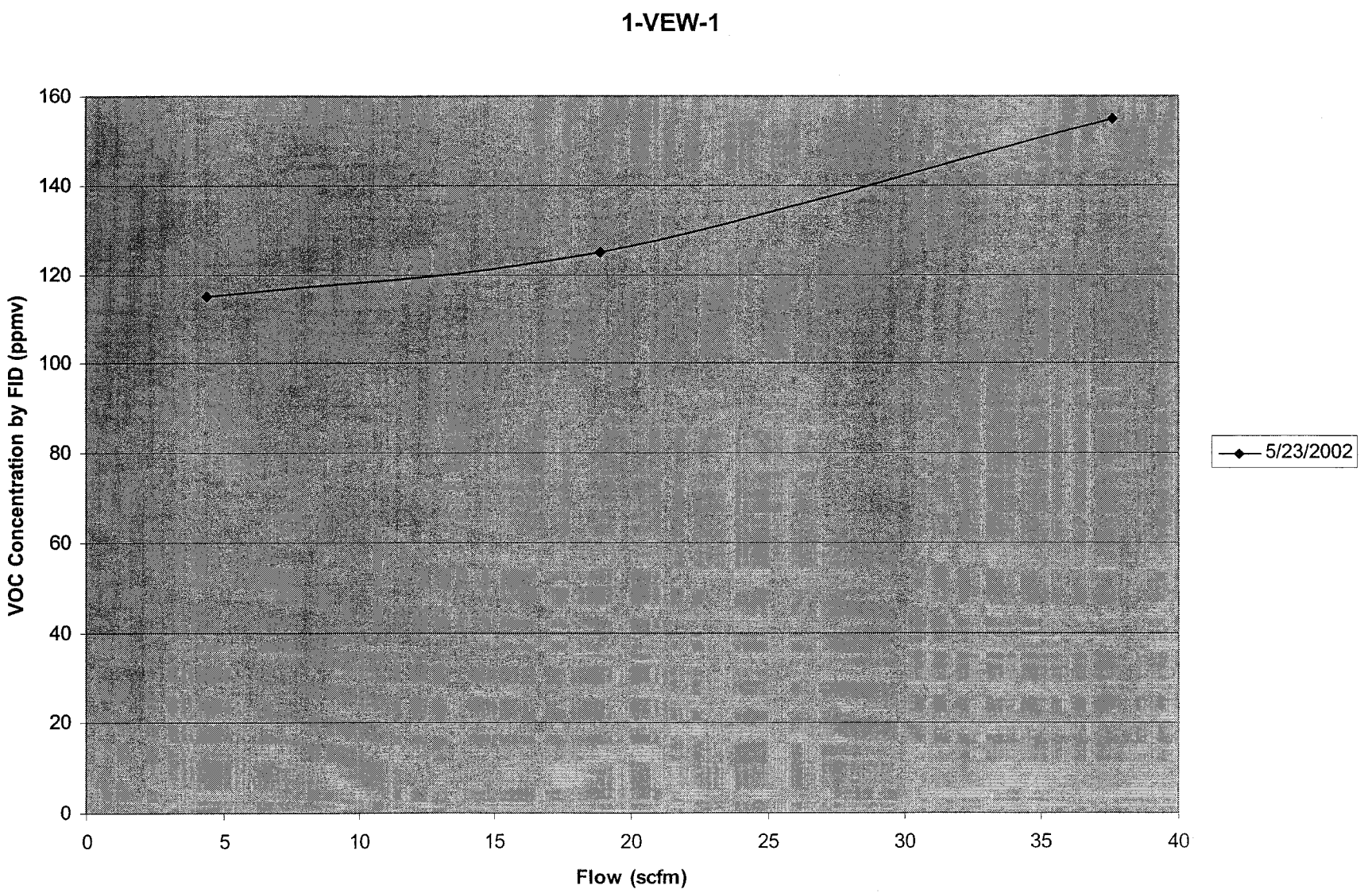


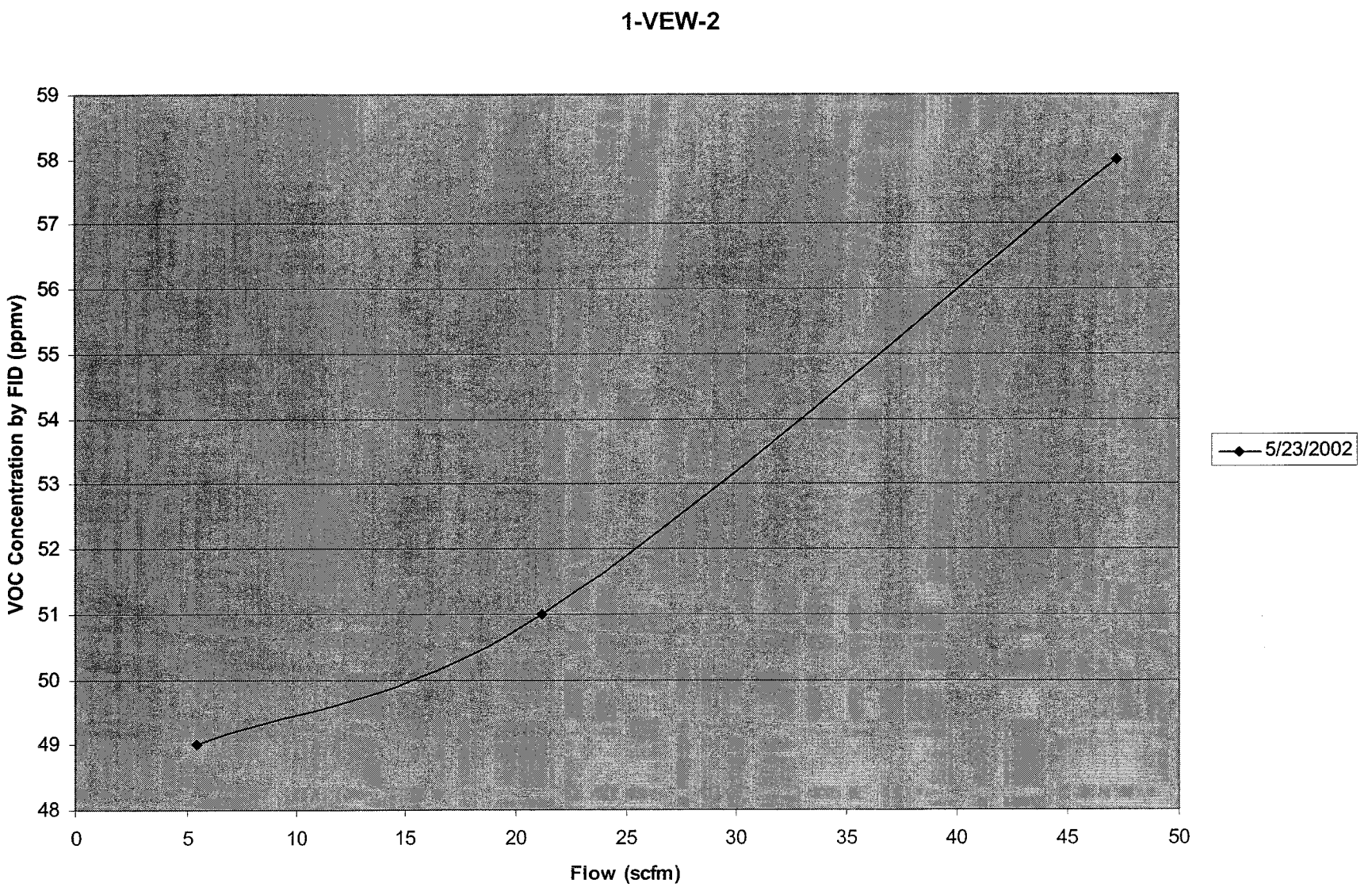
GRAPH 2
BUILDING 1/36 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED

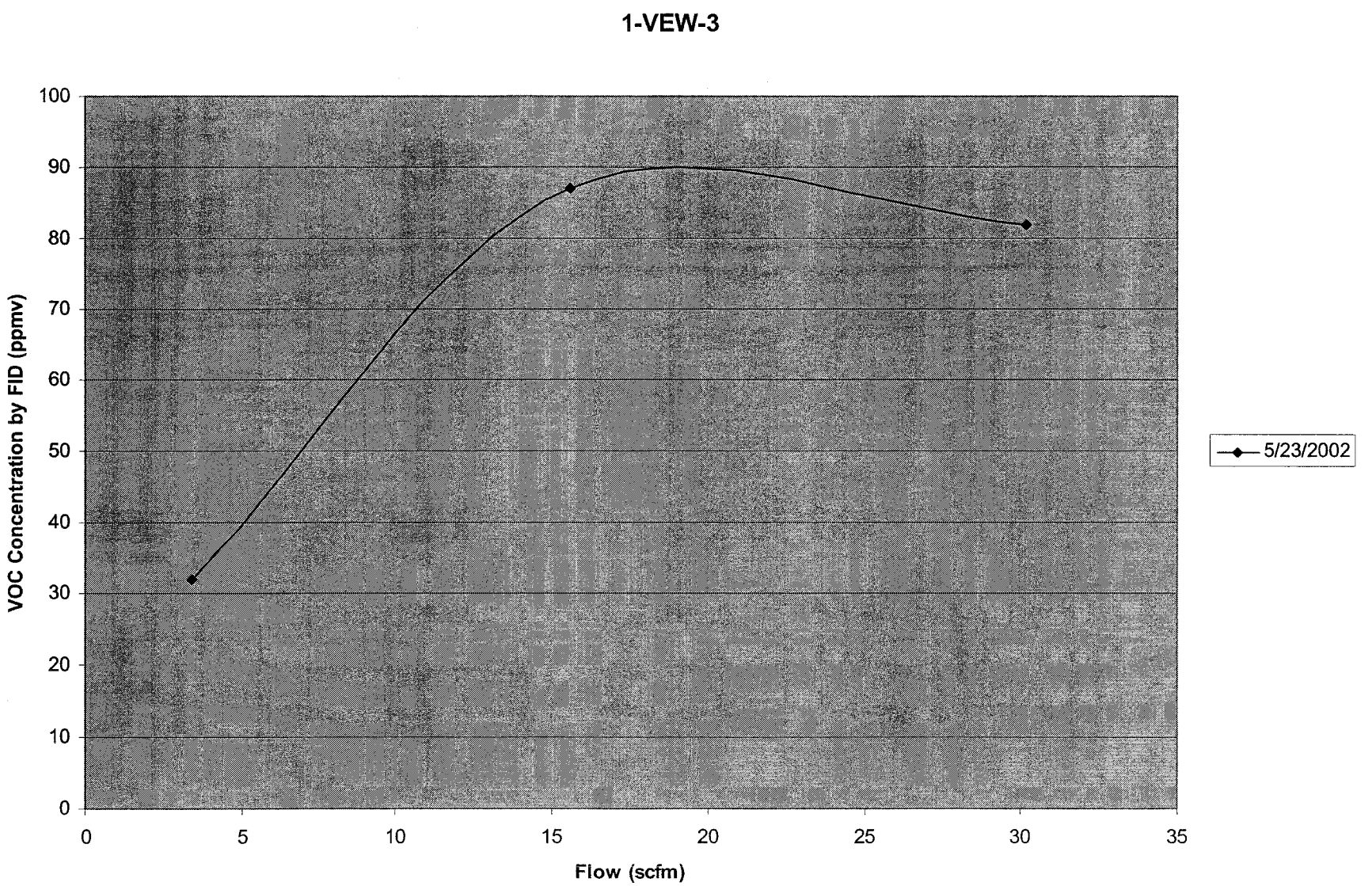


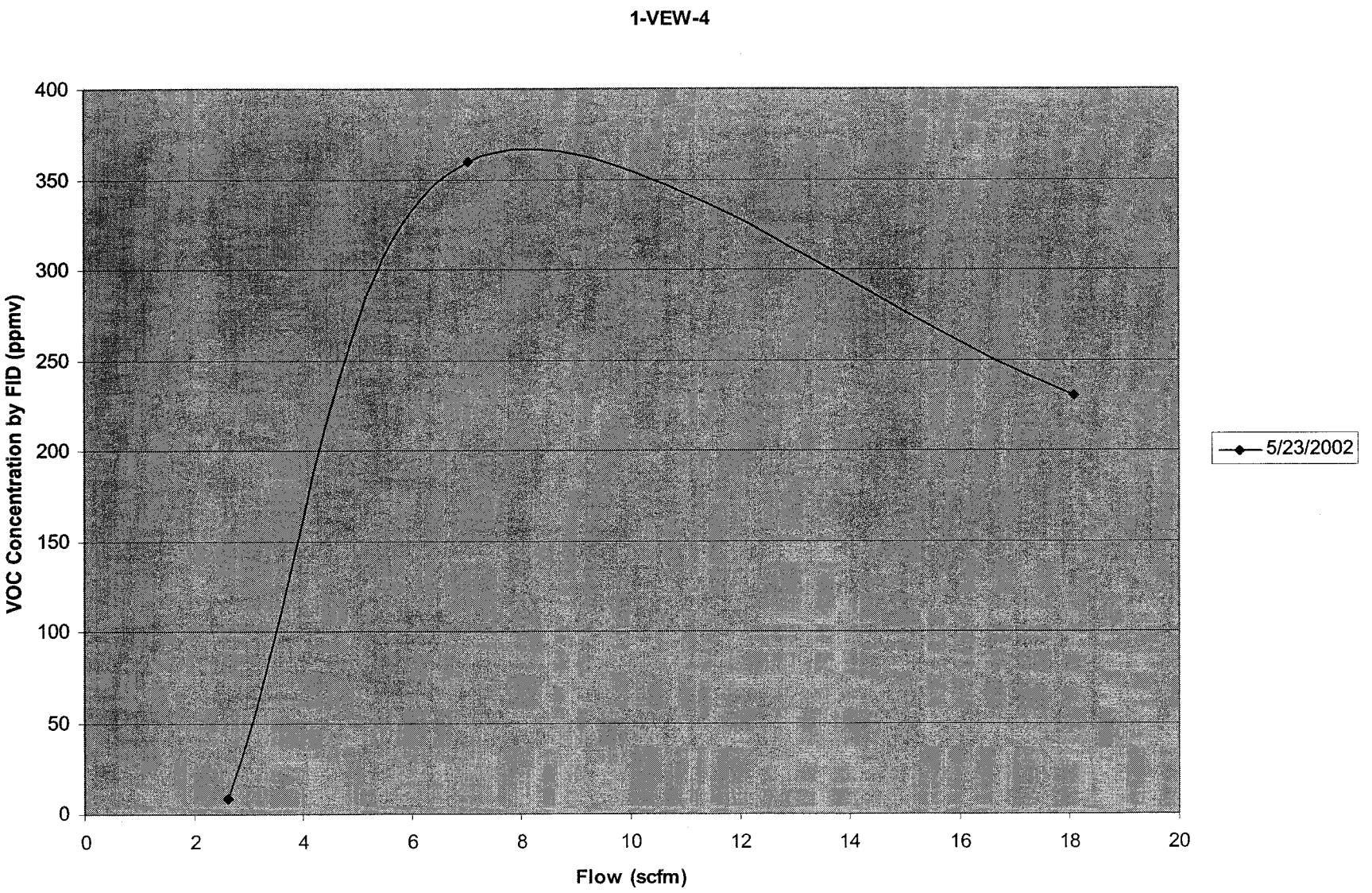
GRAPH 3
BUILDING 1/36 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS

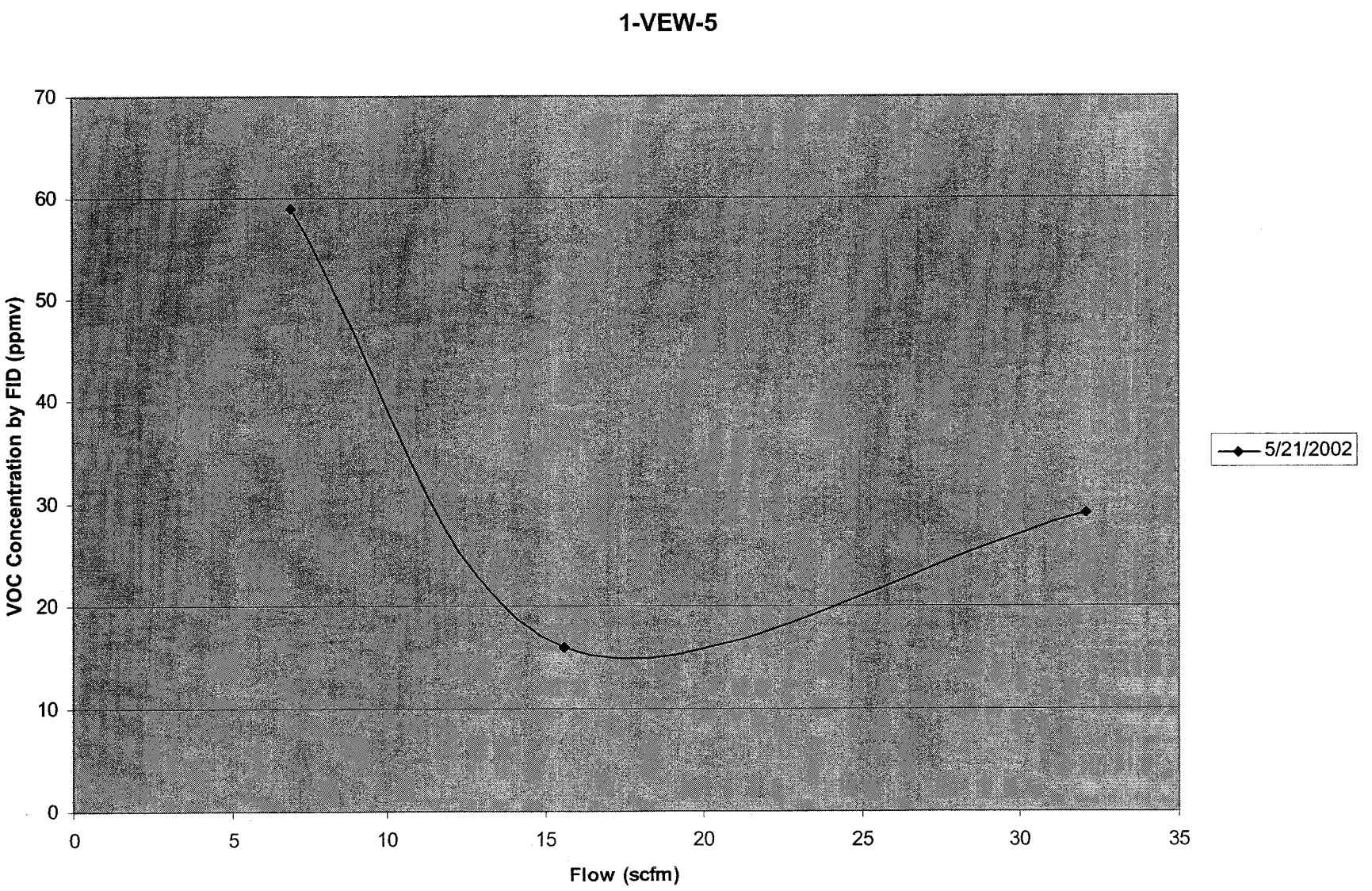


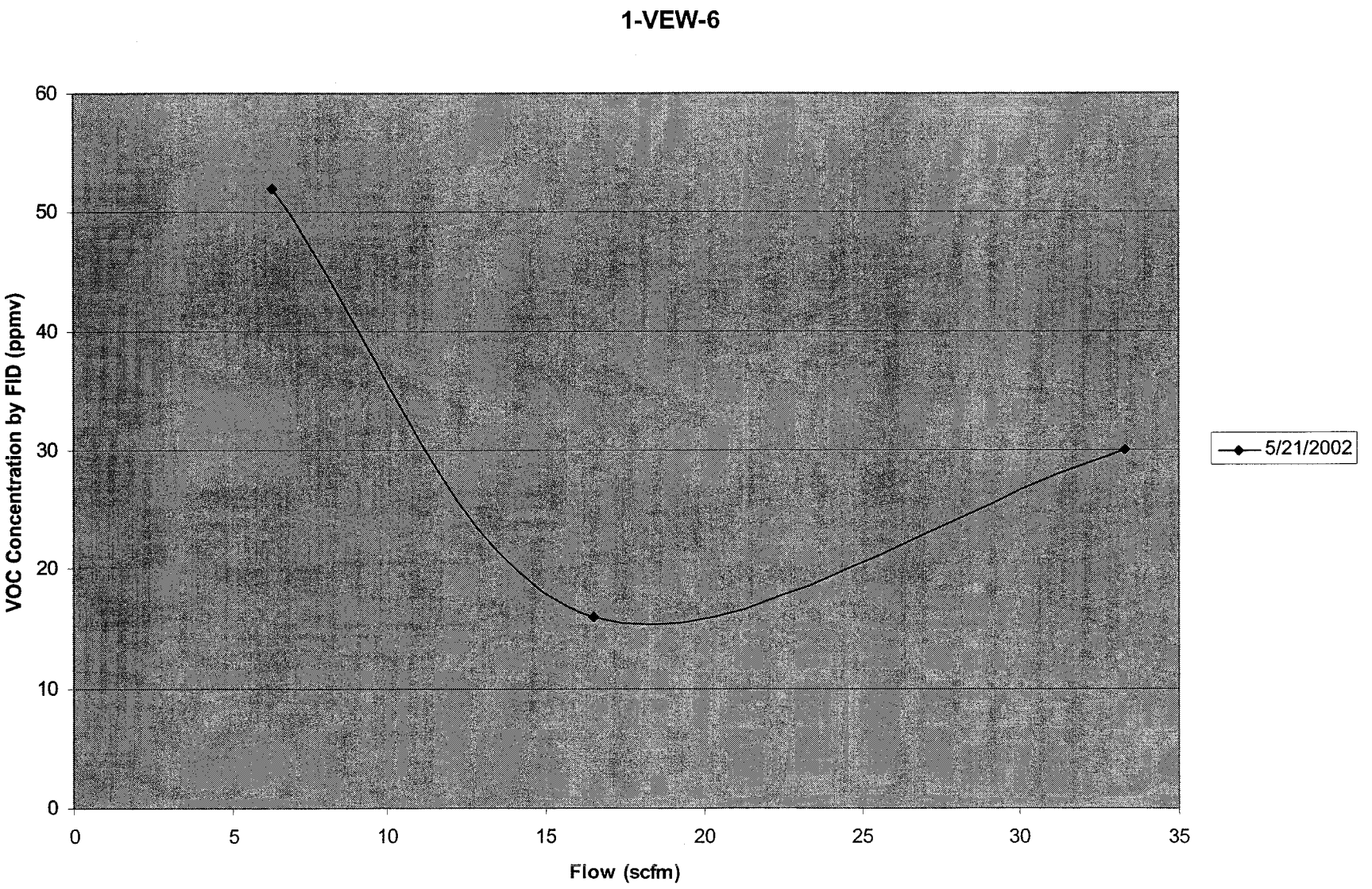

1-VEW-1
VOC Concentration by FID (ppmv)
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
Flow (scfm)
5/23/2002

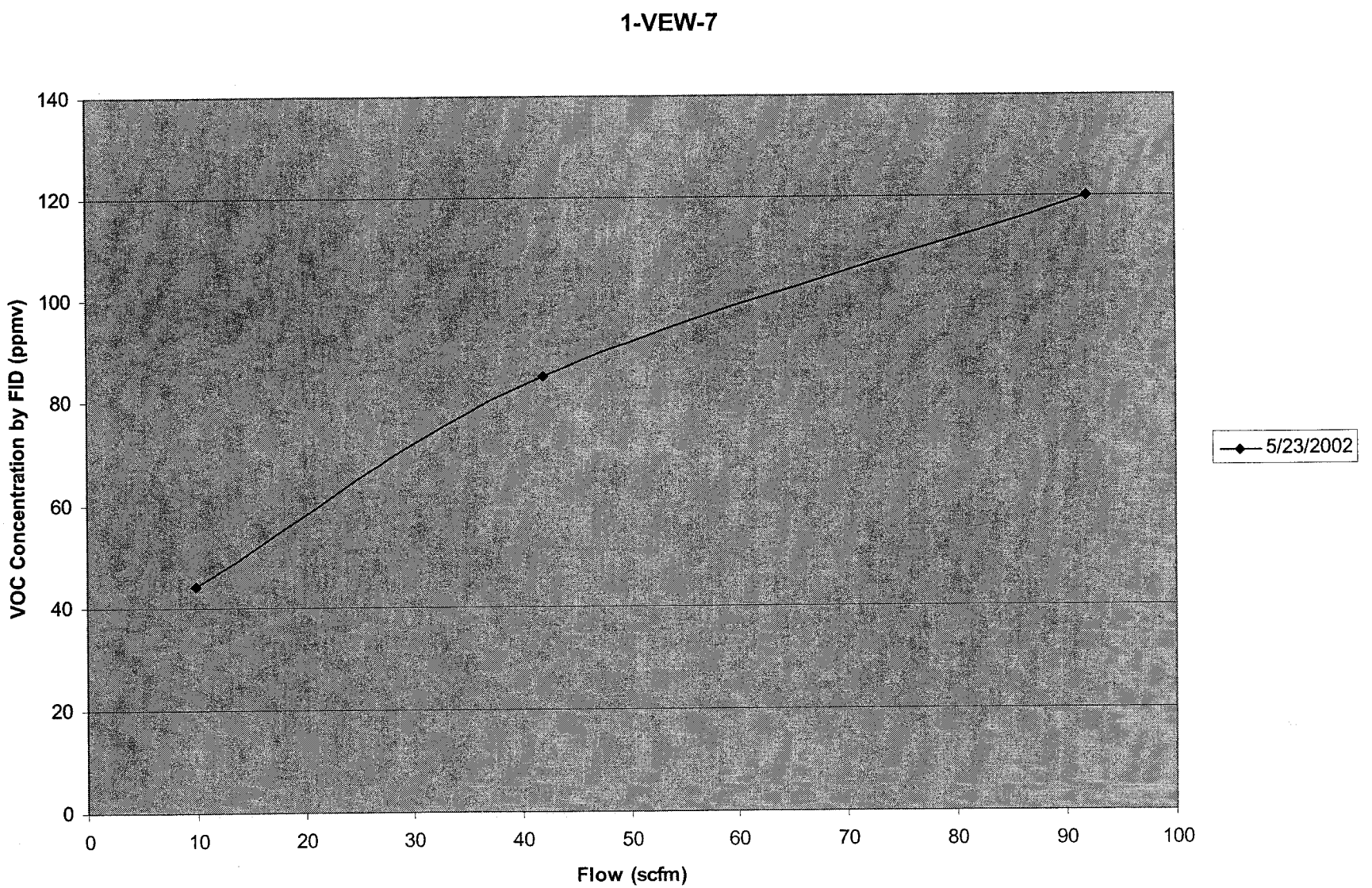

1-VEW-2
VOC Concentration by FID (ppmv)
59
58
57
56
55
54
53
52
51
50
49
48
0
5
10
15
20
25
30
35
40
45
50
Flow (scfm)
5/23/2002

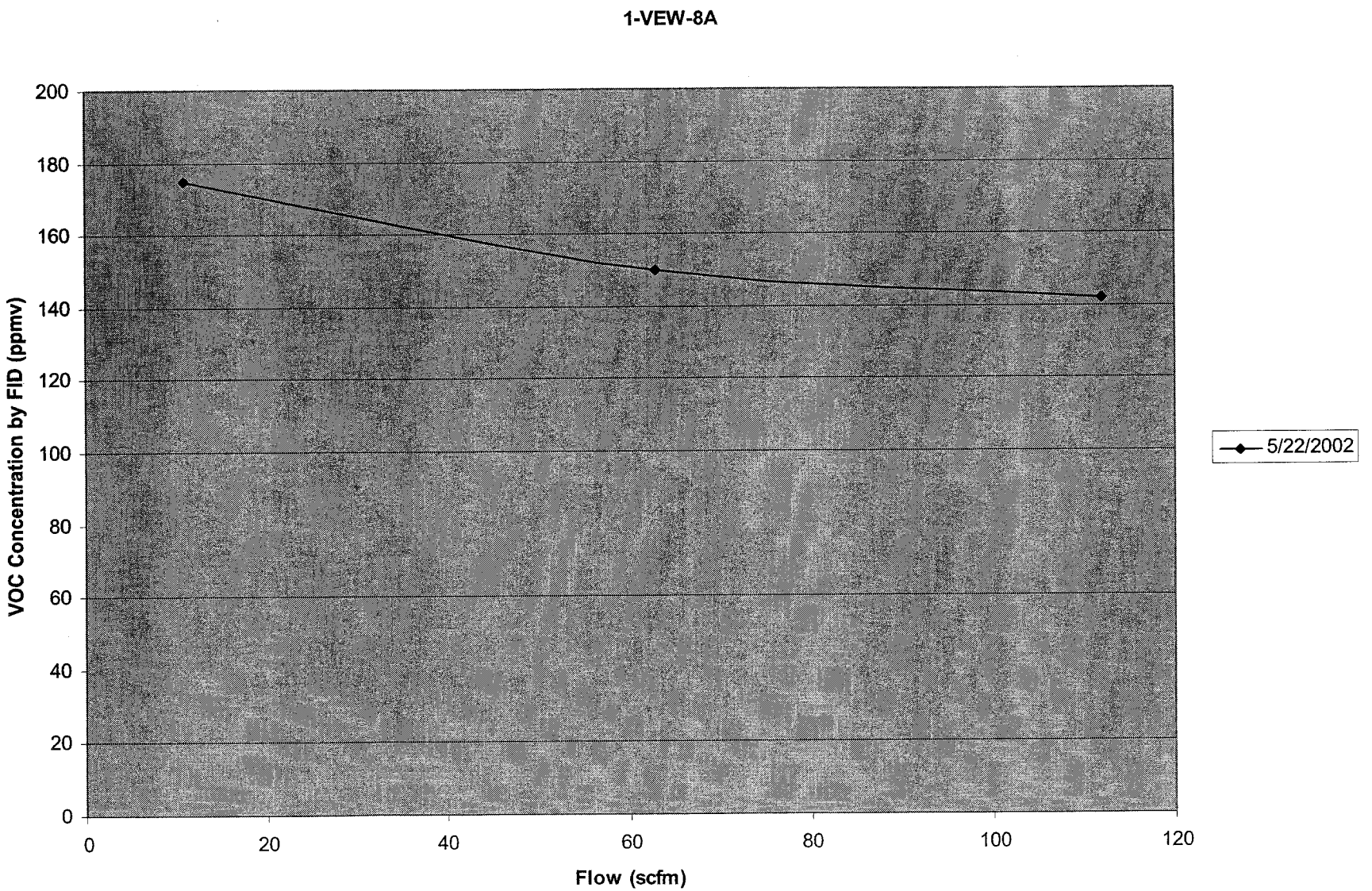

1-VEW-3
VOC Concentration by FID (ppmv)
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
Flow (scfm)
5/23/2002

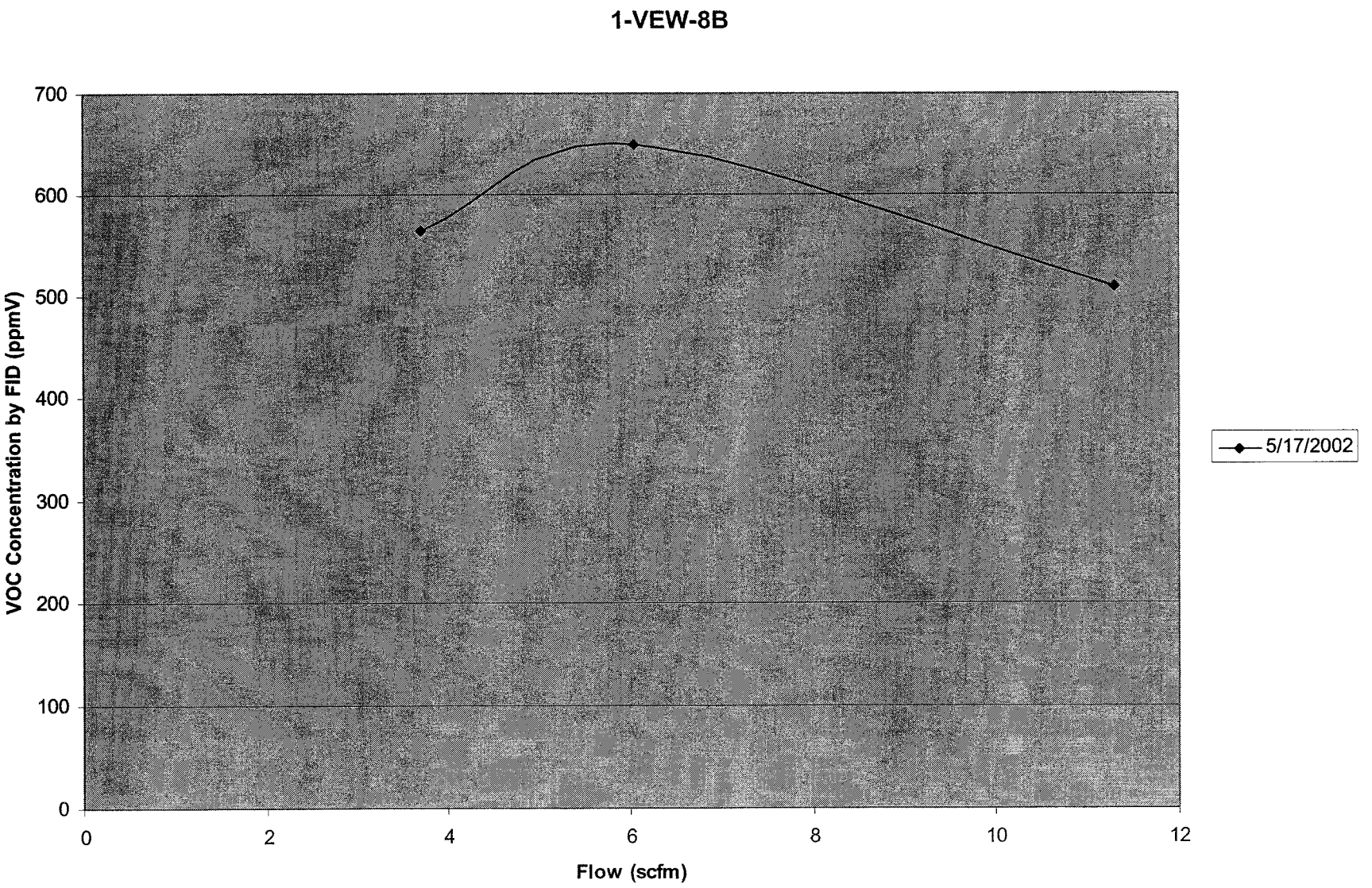

1-VEW-4
VOC Concentration by FID (ppmv)
400
350
300
250
200
150
100
50
0
0
2
4
6
8
10
12
14
16
18
20
Flow (scfm)
5/23/2002

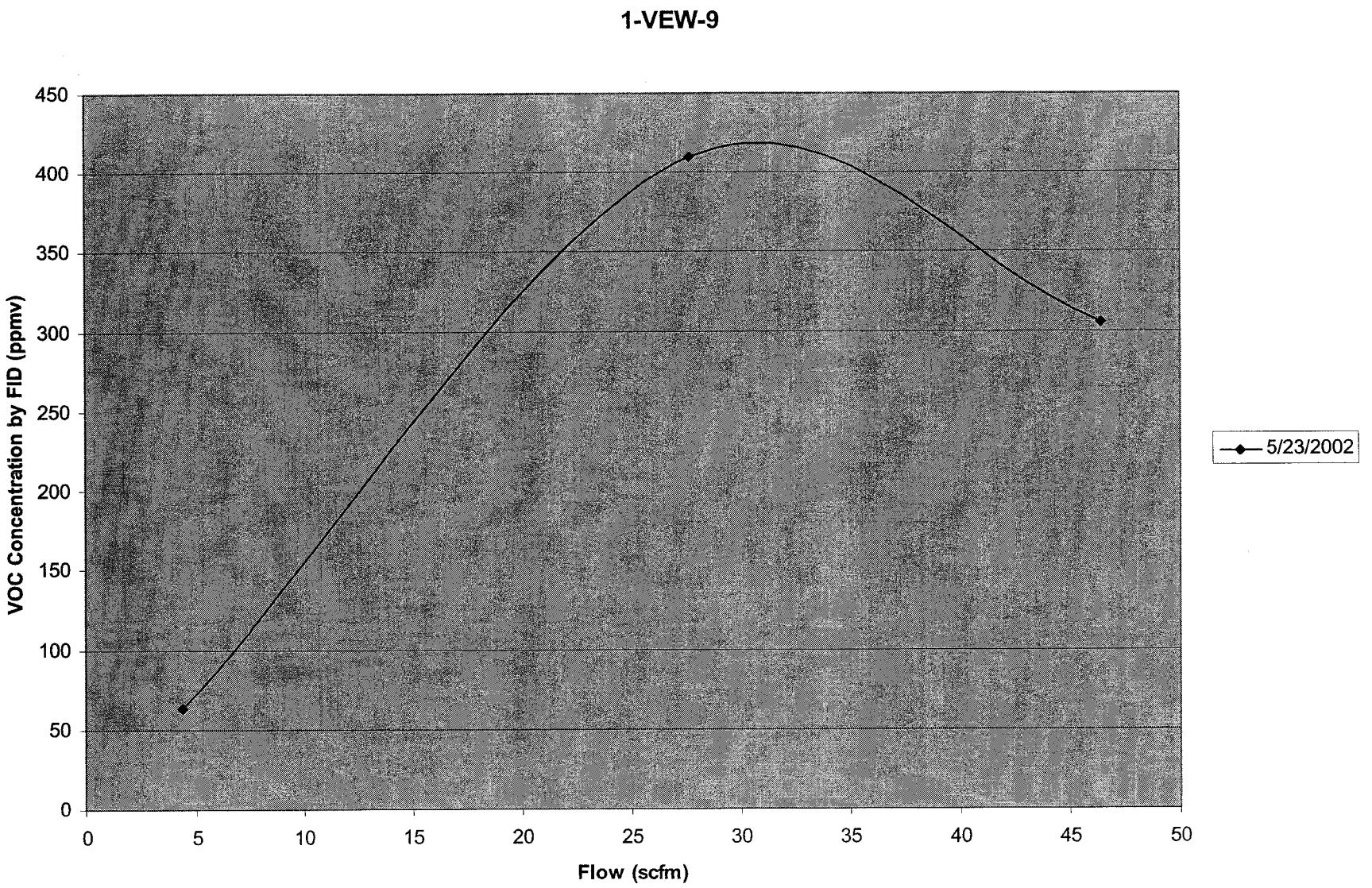

1-VEW-5
VOC Concentration by FID (ppmv)
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
Flow (scfm)
5/21/2002

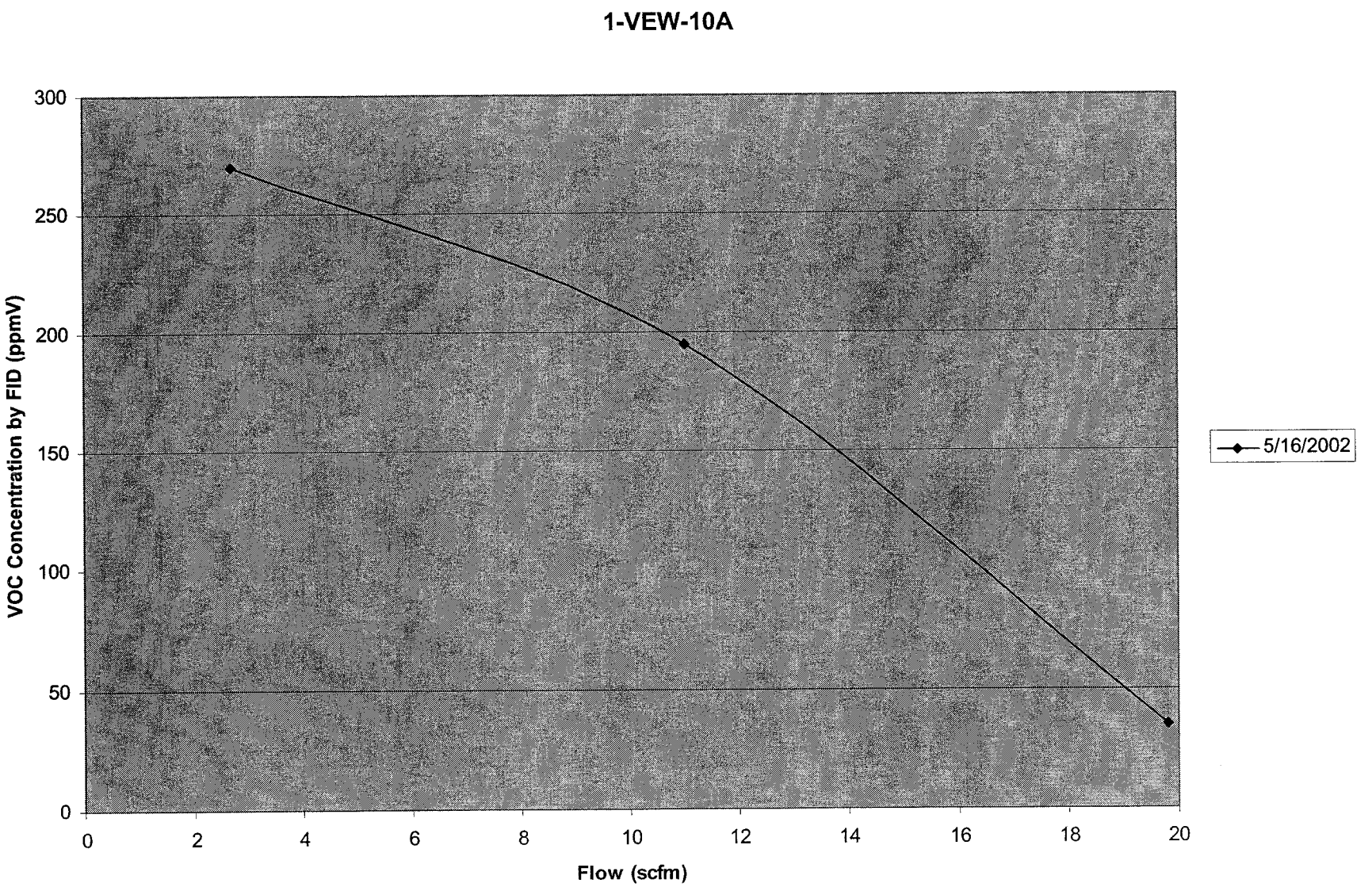

1-VEW-6
VOC Concentration by FID (ppmv)
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
Flow (scfm)
5/21/2002

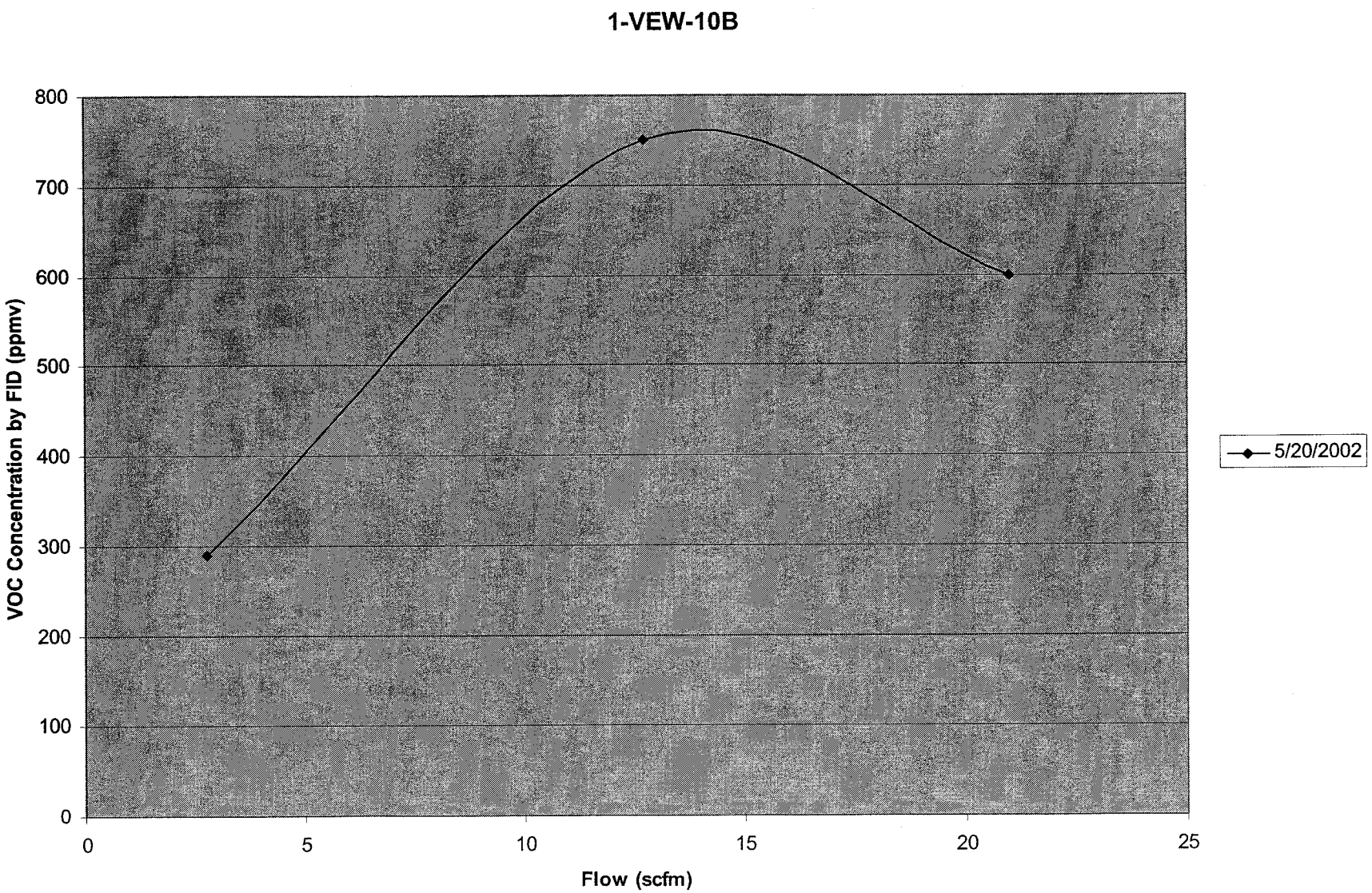

1-VEW-7
VOC Concentration by FID (ppmv)
140
120
100
80
60
40
20
0
0
10
20
30
40
50
60
70
80
90
100
Flow (scfm)
5/23/2002

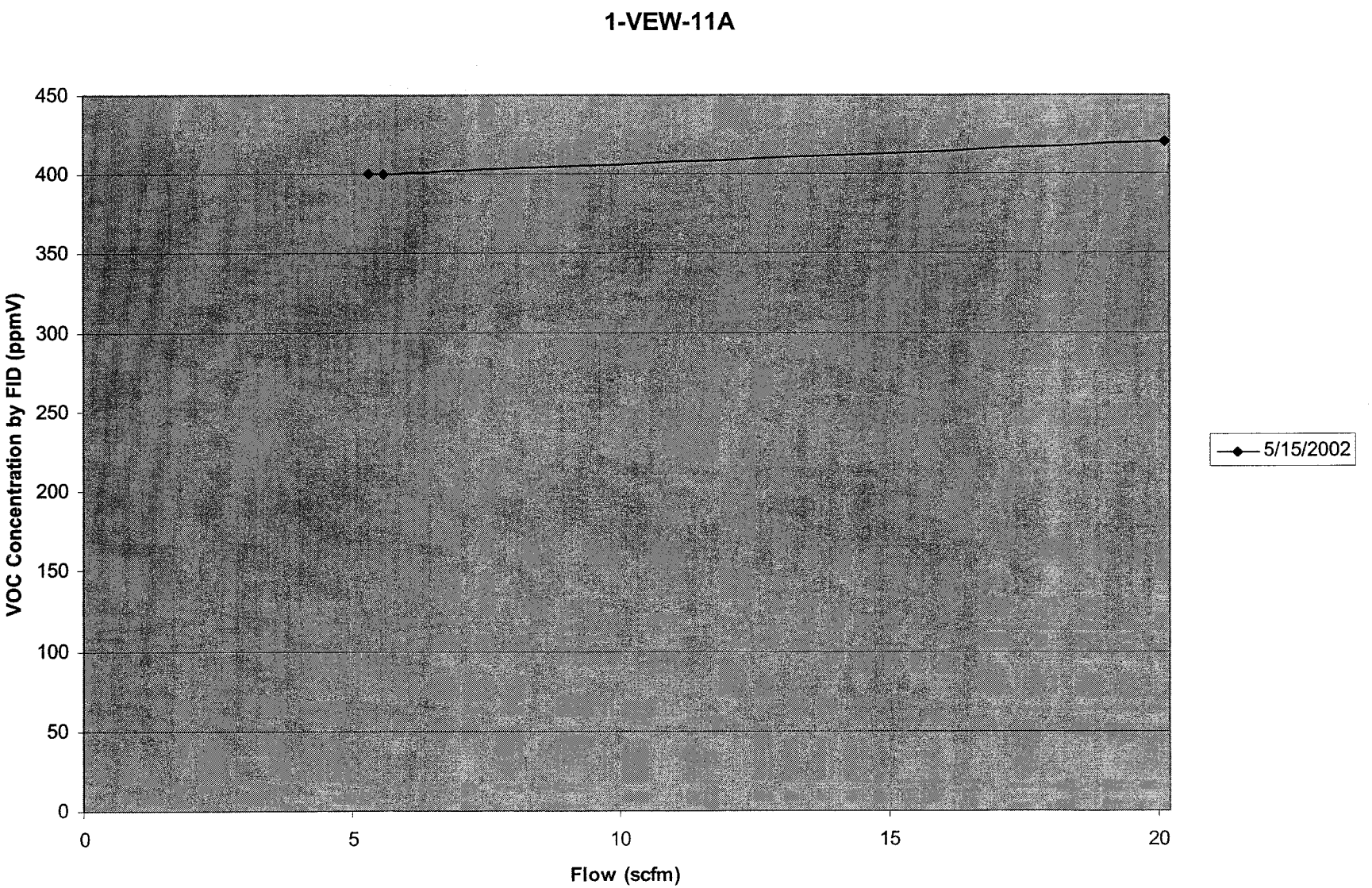

1-VEW-8A
VOC Concentration by FID (ppmv)
200
180
160
140
120
100
80
60
40
20
0
0
20
40
60
80
100
120
Flow (scfm)
5/22/2002

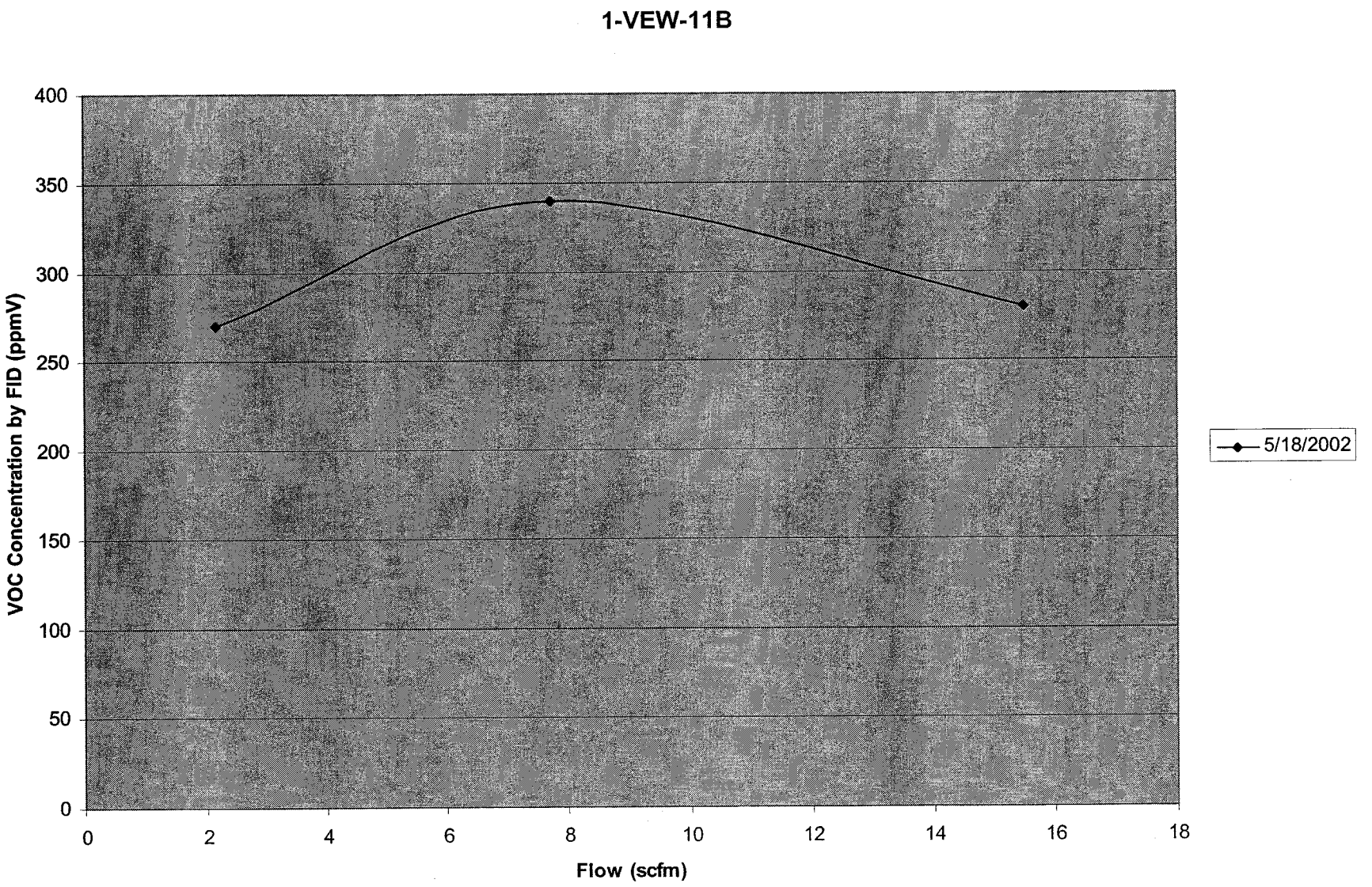

1-VEW-8B
VOC Concentration by FID (ppmV)
700
600
500
400
300
200
100
0
0
2
4
6
8
10
12
Flow (scfm)
5/17/2002

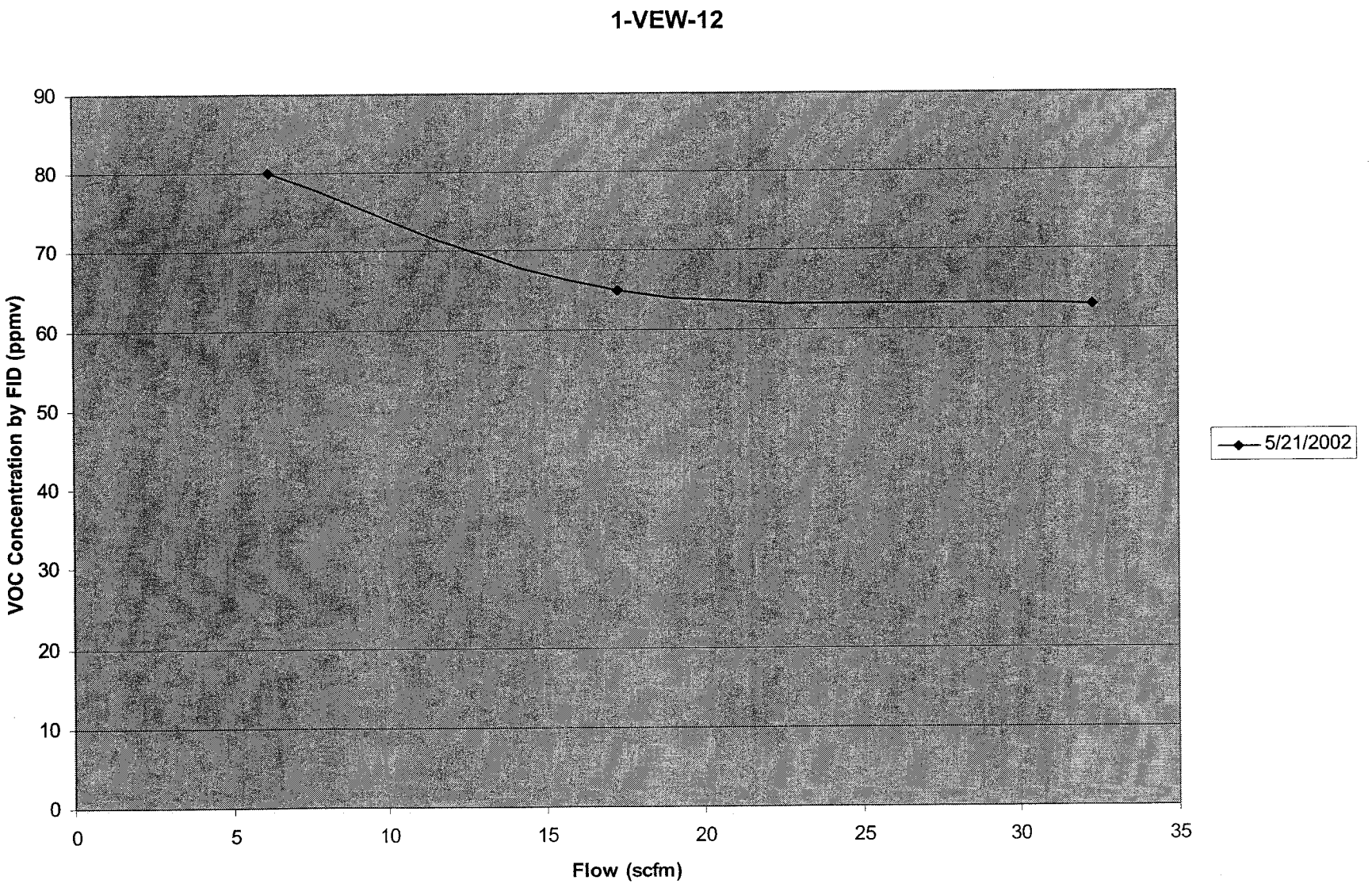

1-VEW-9
VOC Concentration by FID (ppmv)
450
400
350
300
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
Flow (scfm)
5/23/2002

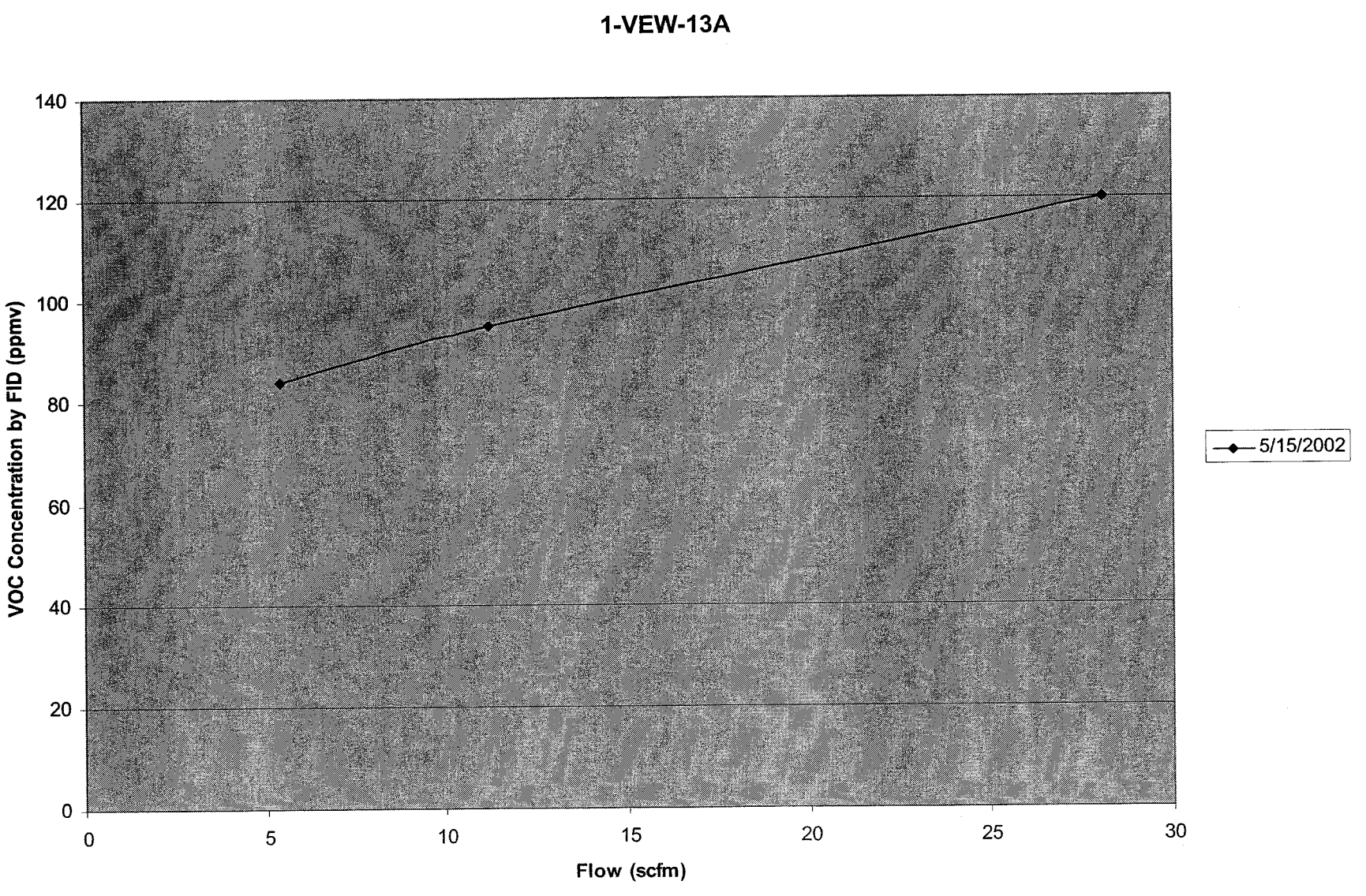

1-VEW-10A
VOC Concentration by FID (ppmV)
300
250
200
150
100
50
0
0
2
4
6
8
10
12
14
16
18
20
Flow (scfm)
5/16/2002

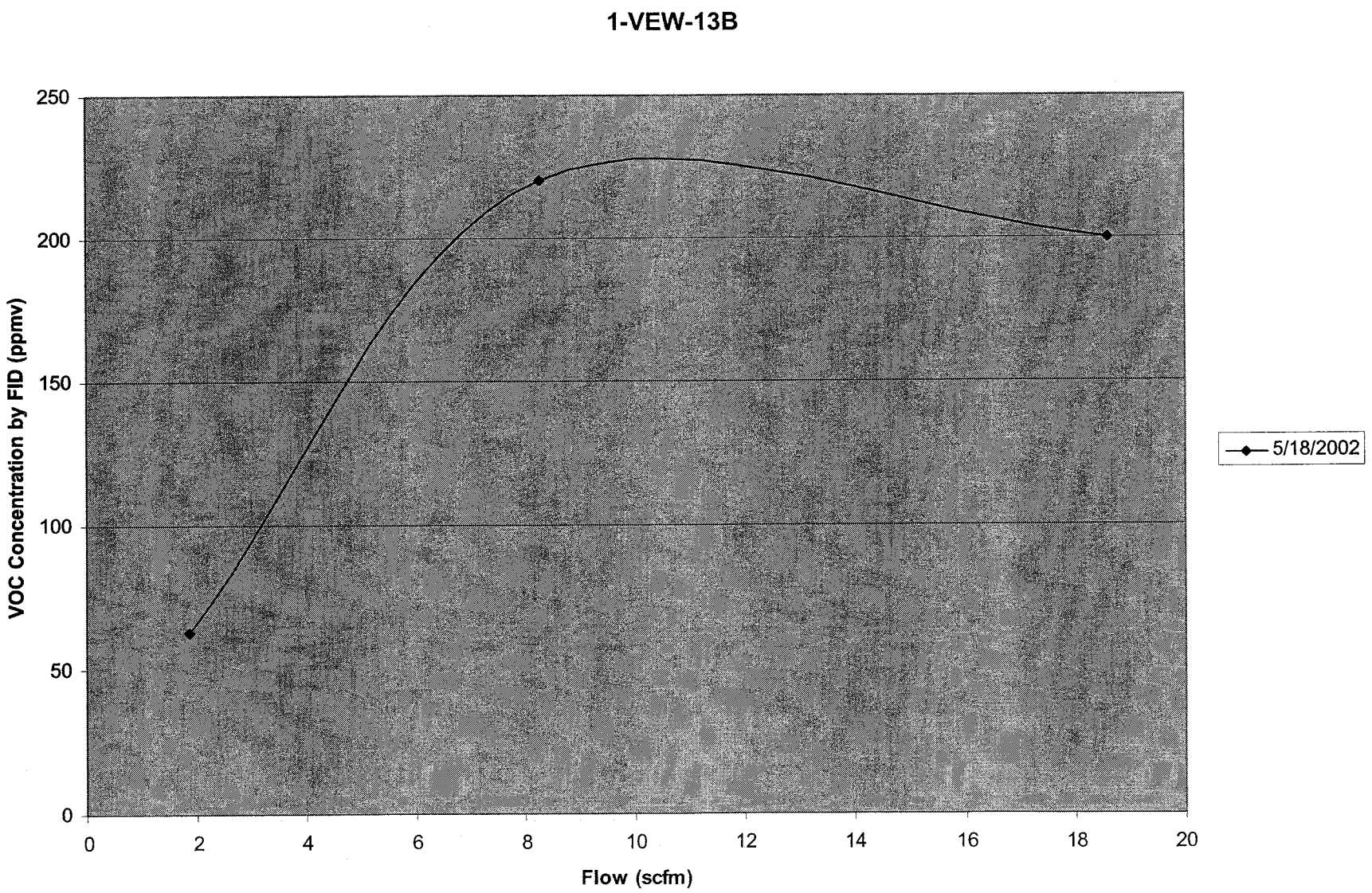

1-VEW-10B
VOC Concentration by FID (ppmv)
800
700
600
500
400
300
200
100
0
0
5
10
15
20
25
Flow (scfm)
5/20/2002


1-VEW-11A
VOC Concentration by FID (ppmV)
450
400
350
300
250
200
150
100
50
0
0
5
10
15
20
Flow (scfm)
5/15/2002

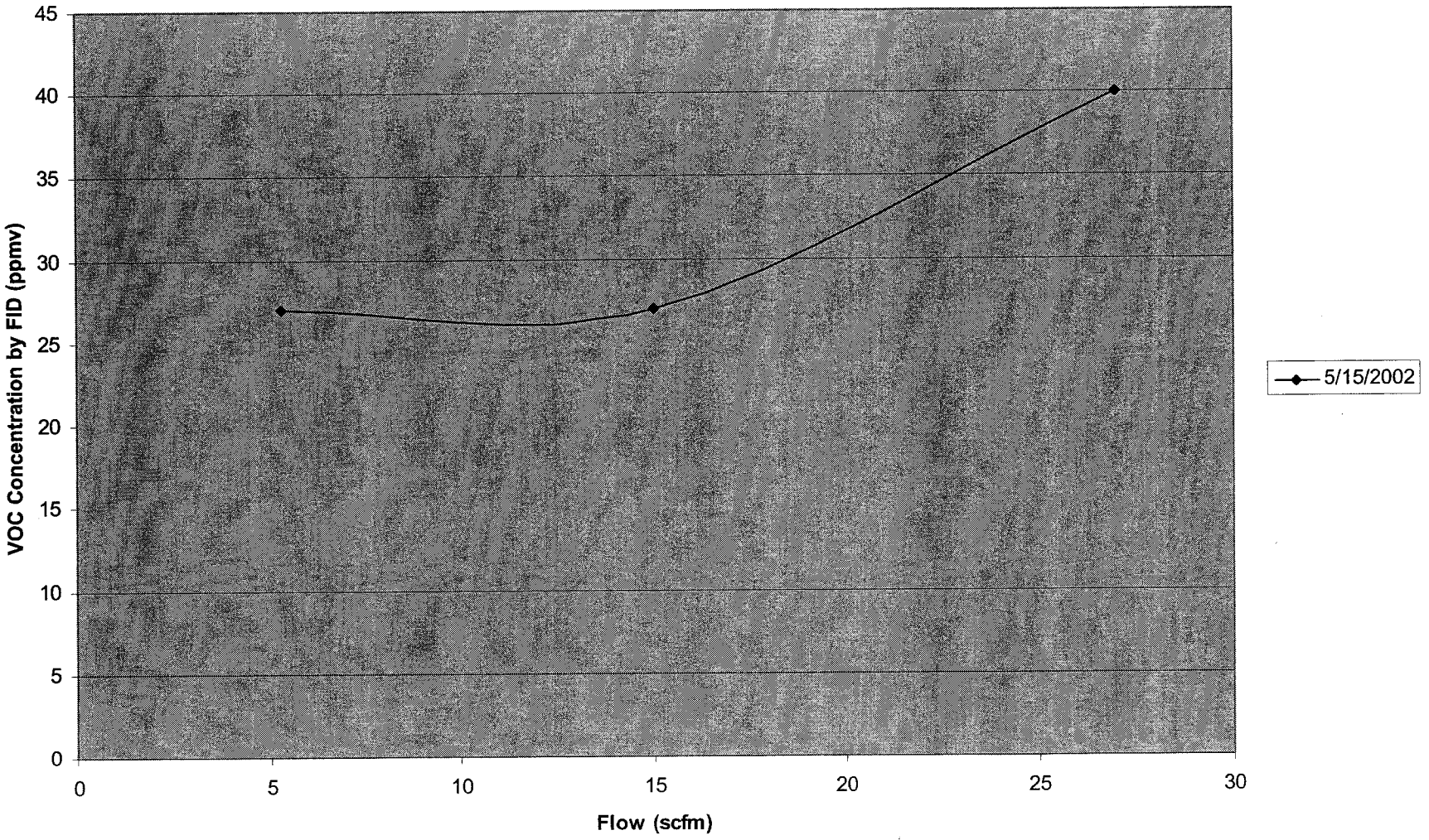

1-VEW-11B
VOC Concentration by FID (ppmV)
400
350
300
250
200
150
100
50
0
0
2
4
6
8
10
12
14
16
18
Flow (scfm)
5/18/2002

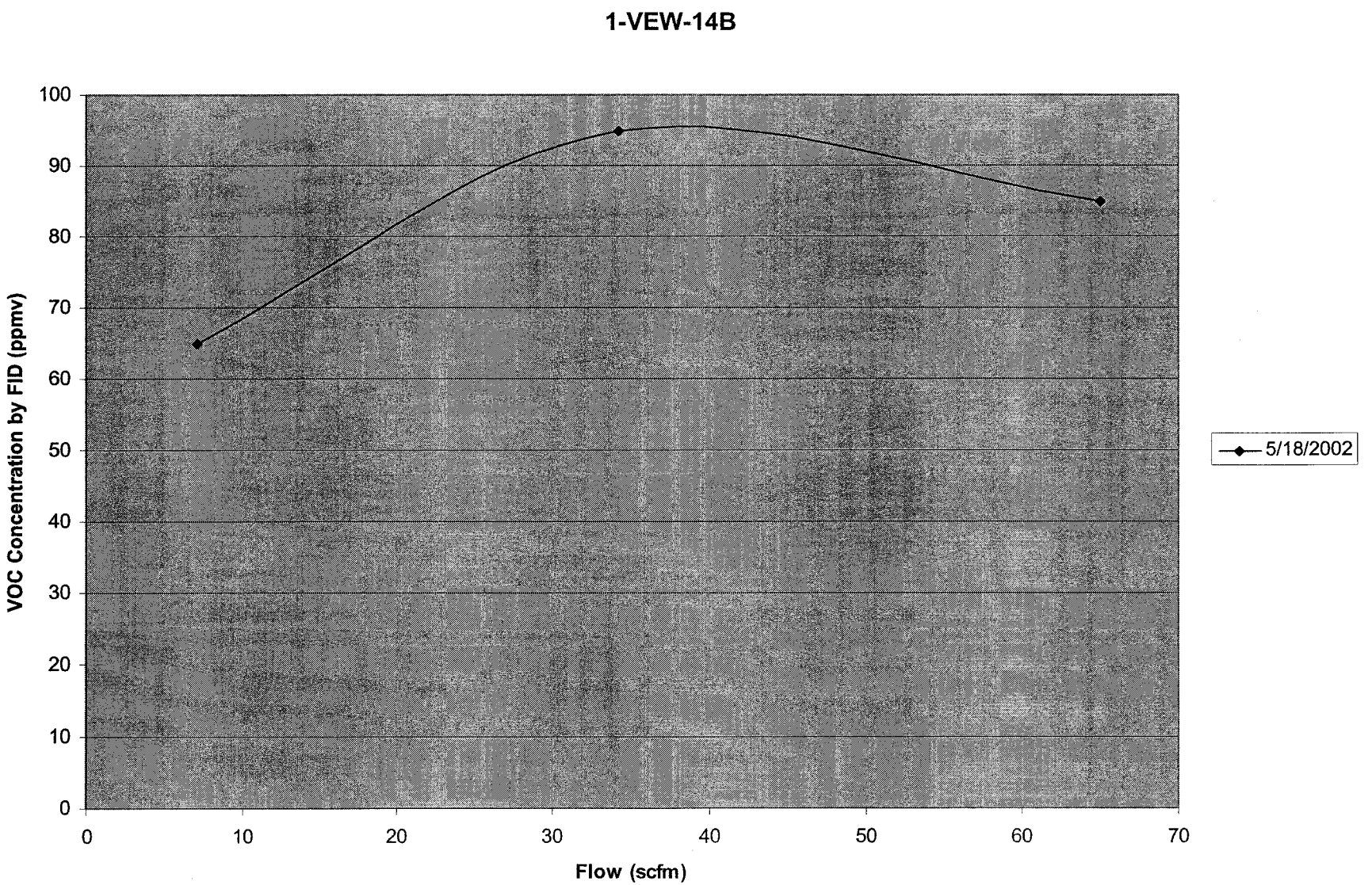

1-VEW-12
VOC Concentration by FID (ppmv)
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
Flow (scfm)
5/21/2002

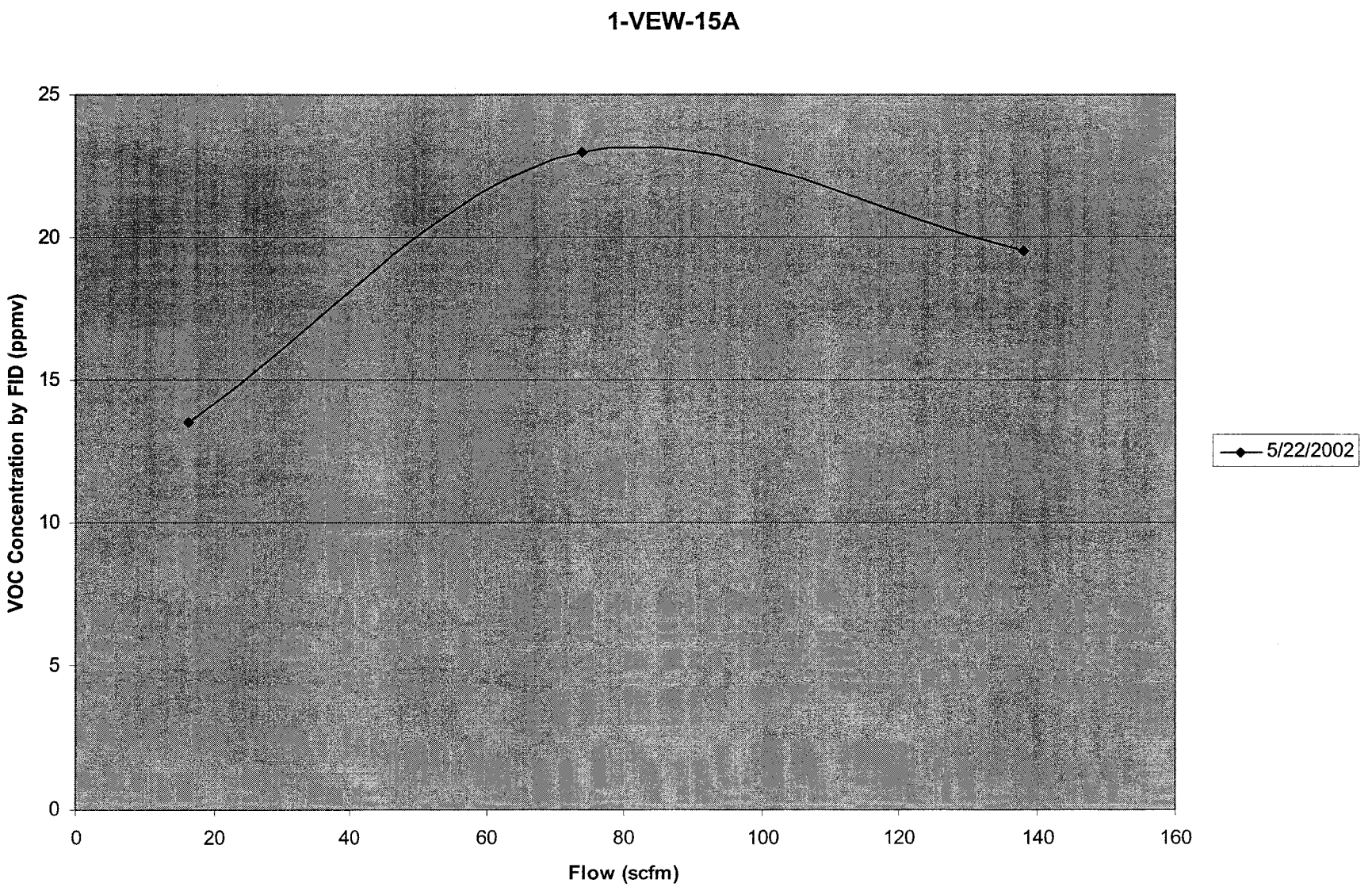

1-VEW-13A
VOC Concentration by FID (ppmv)
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
Flow (scfm)
5/15/2002


1-VEW-13B
VOC Concentration by FID (ppmv)
250
200
150
100
50
0
0
2
4
6
8
10
12
14
16
18
20
Flow (scfm)
5/18/2002

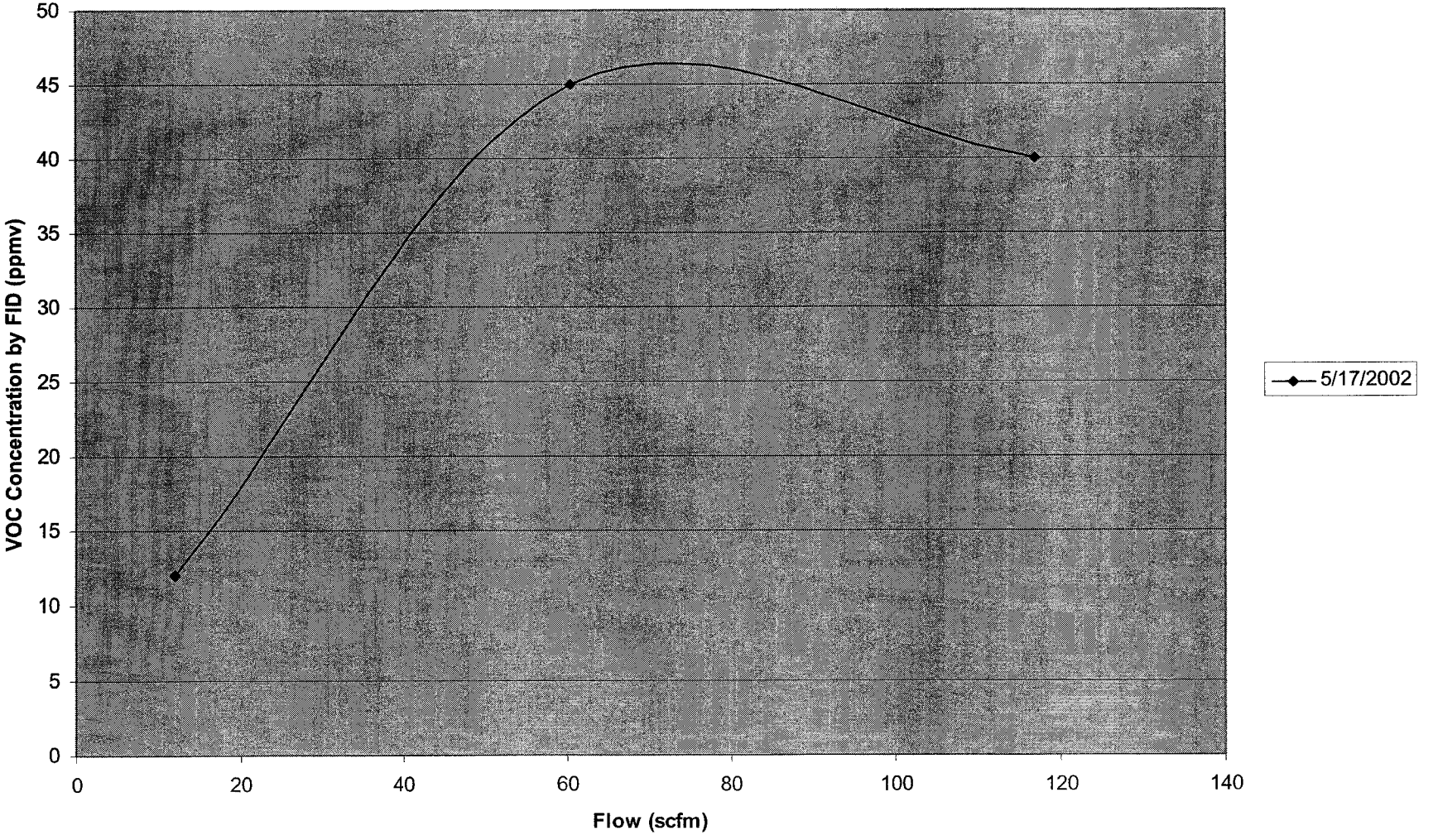
1-VEW-14A

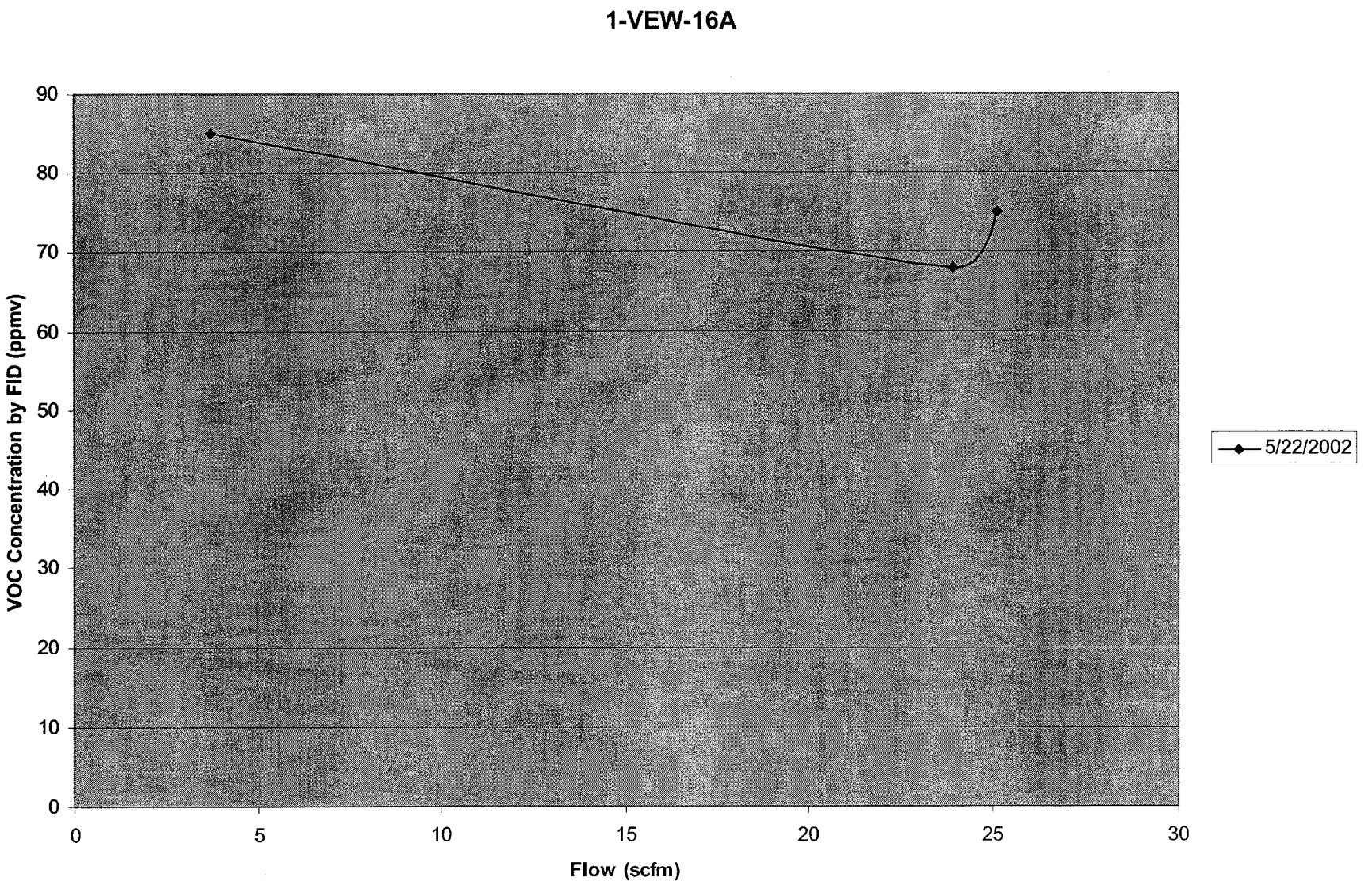

VOC Concentration by FID (ppmv)
45
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
Flow (scfm)
5/15/2002

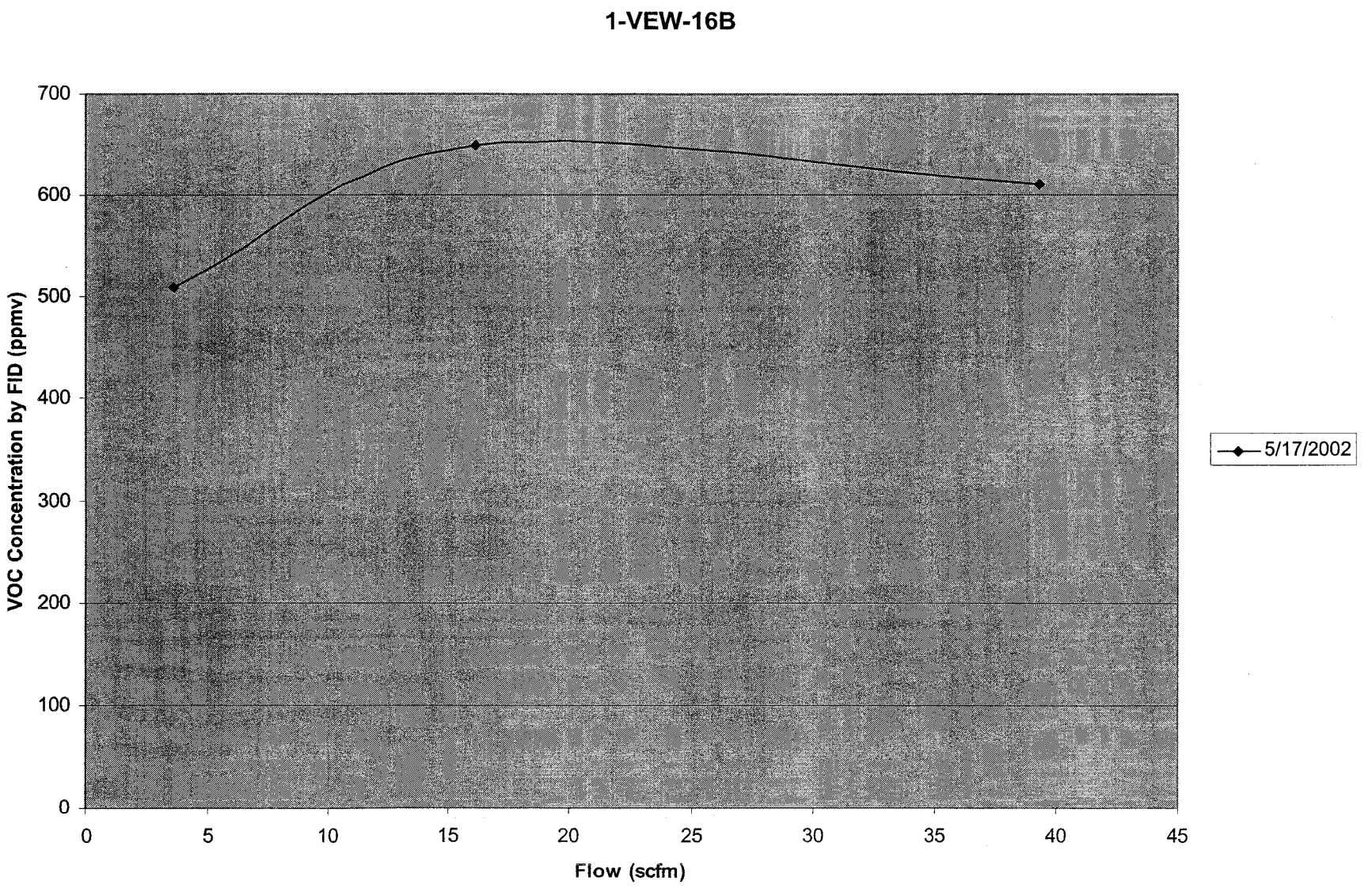

1-VEW-14B
VOC Concentration by FID (ppmv)
100
90
80
70
60
50
40
30
20
10
0
0
10
20
30
40
50
60
70
Flow (scfm)
5/18/2002

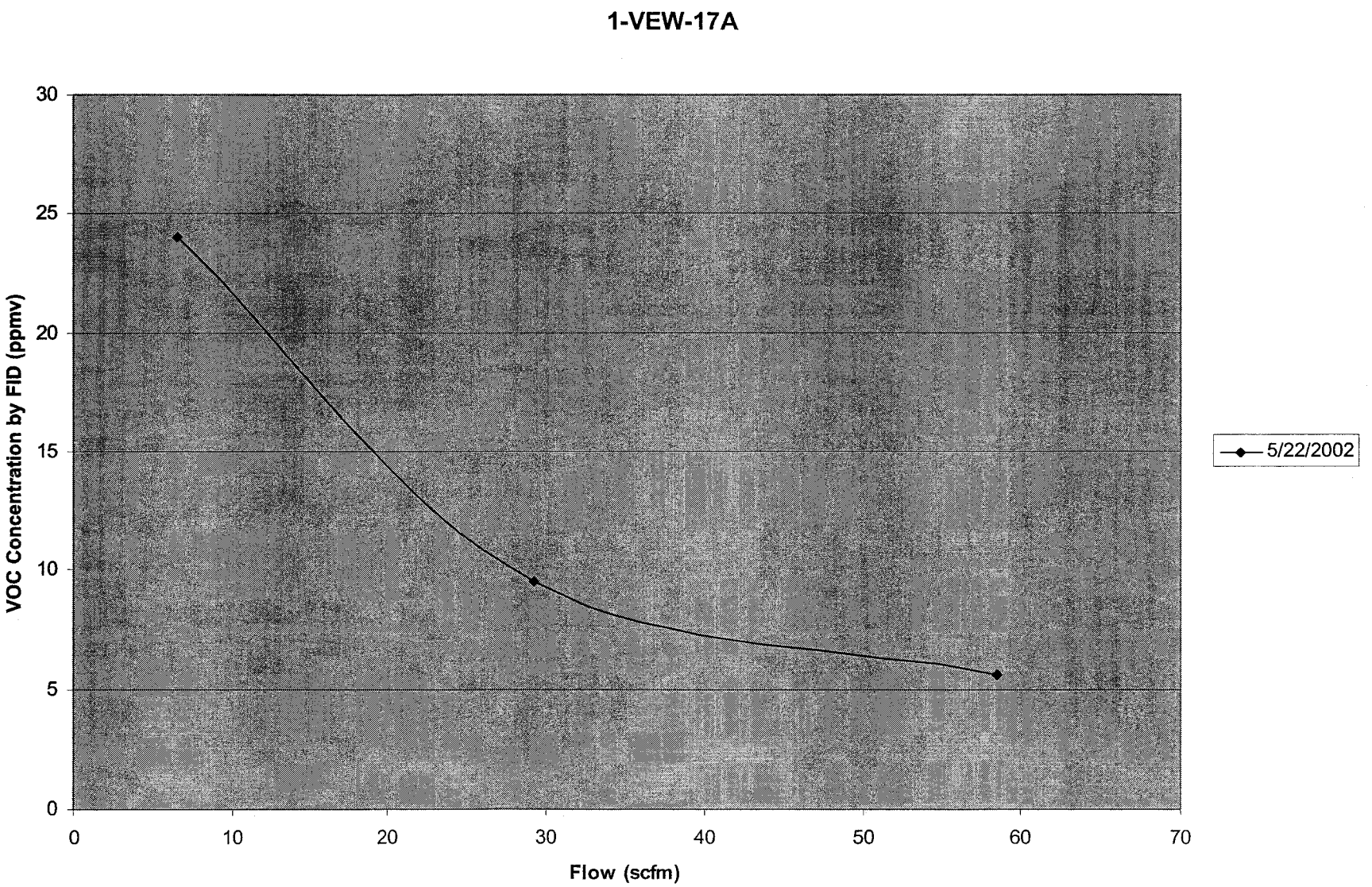

1-VEW-15A
VOC Concentration by FID (ppmv)
25
20
15
10
5
0
0
20
40
60
80
100
120
140
160
Flow (scfm)
5/22/2002

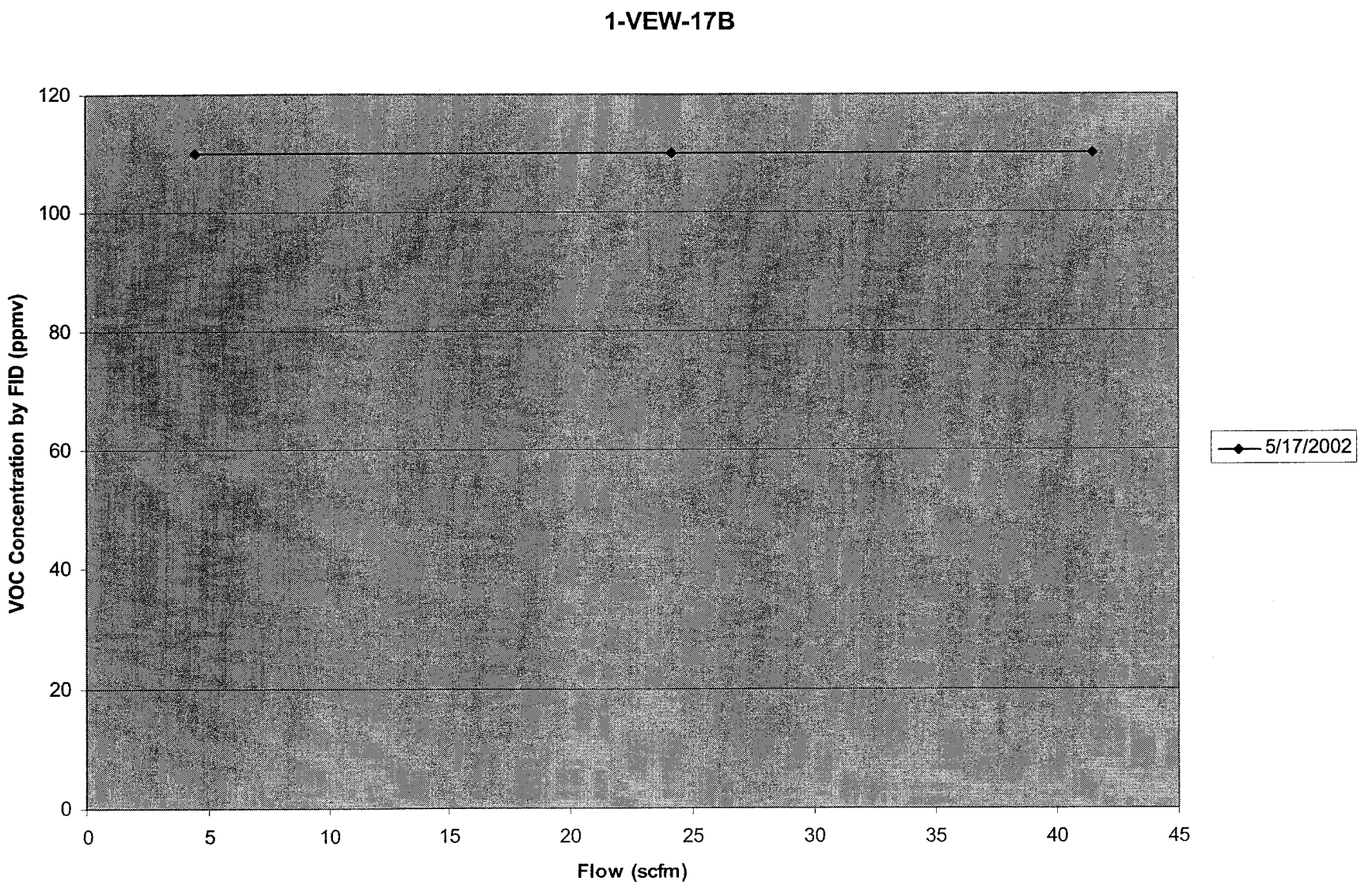
1-VEW-15B

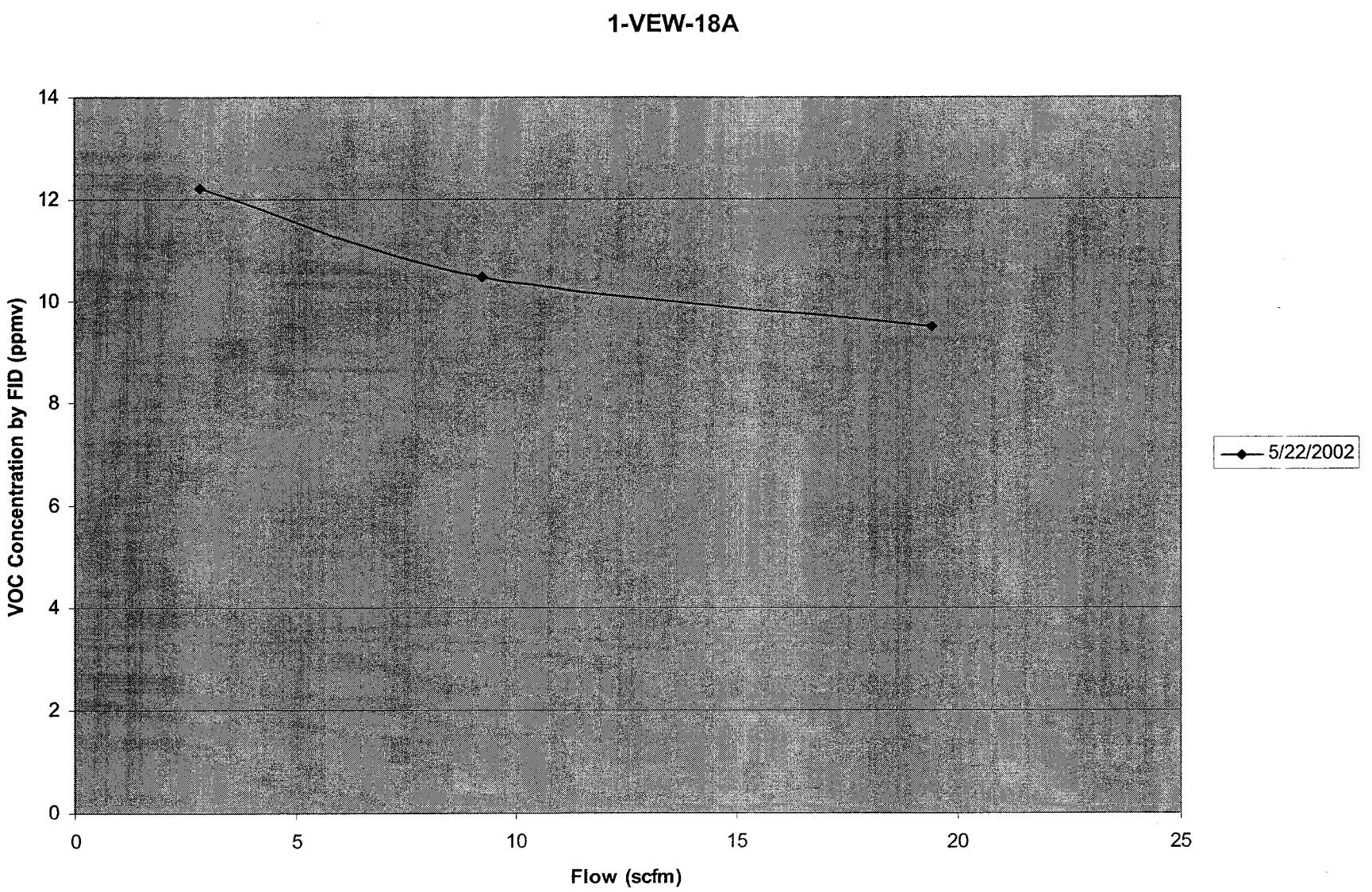

VOC Concentration by FID (ppmv)
50
45
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100
120
140
Flow (scfm)
5/17/2002

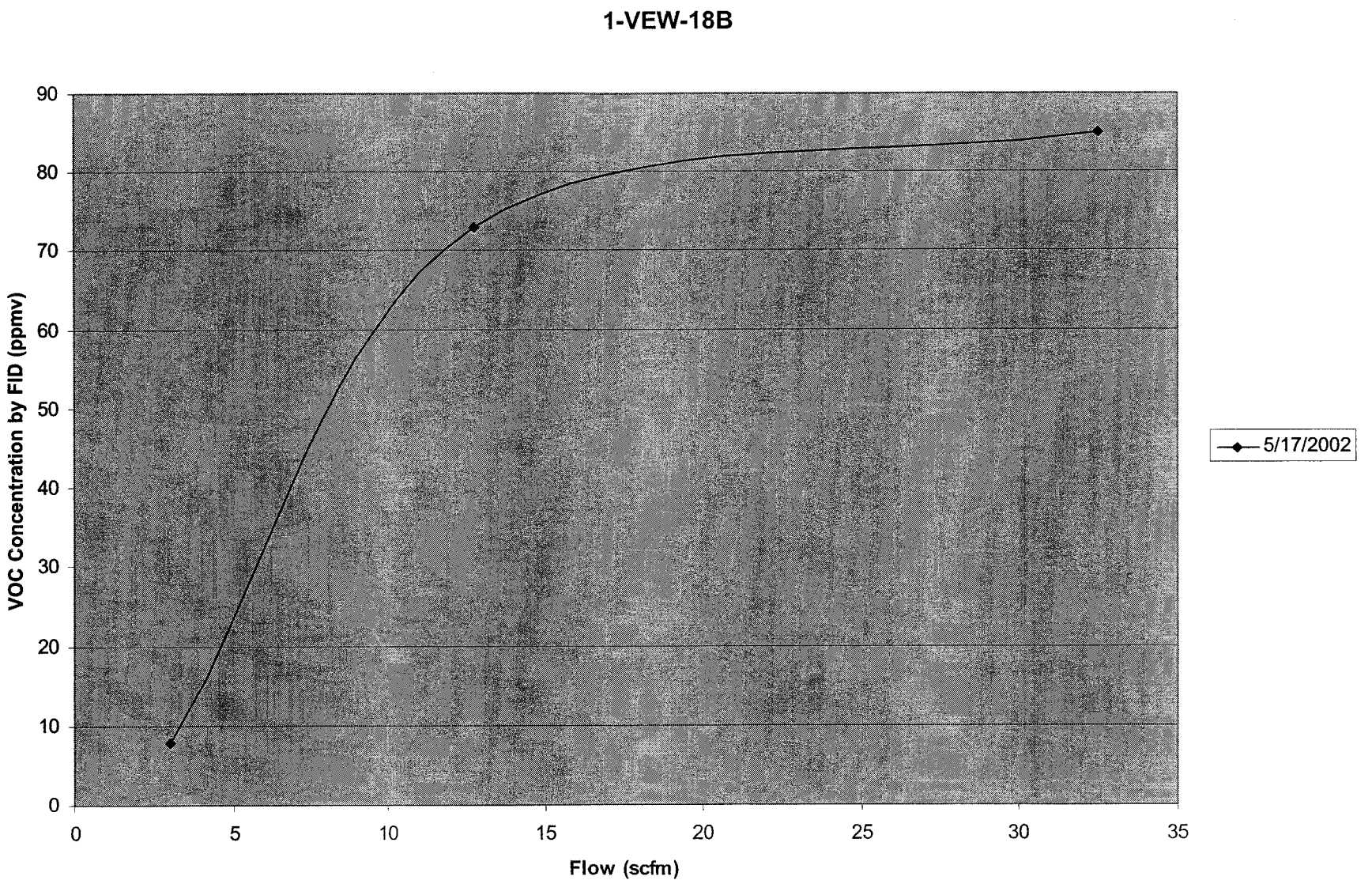

1-VEW-16A
VOC Concentration by FID (ppmv)
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
Flow (scfm)
5/22/2002

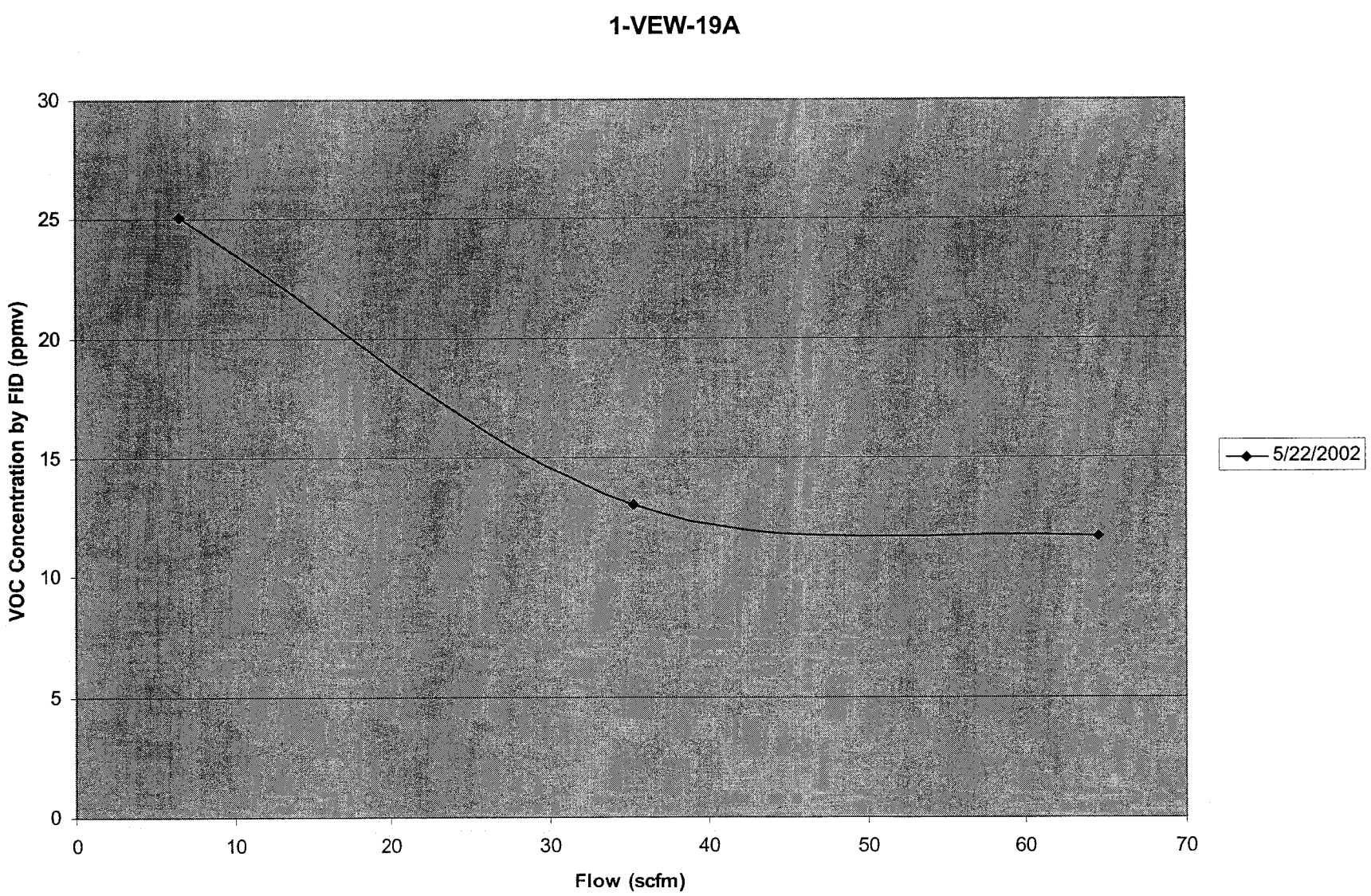

1-VEW-16B
VOC Concentration by FID (ppmv)
700
600
500
400
300
200
100
0
0
5
10
15
20
25
30
35
40
45
Flow (scfm)
5/17/2002

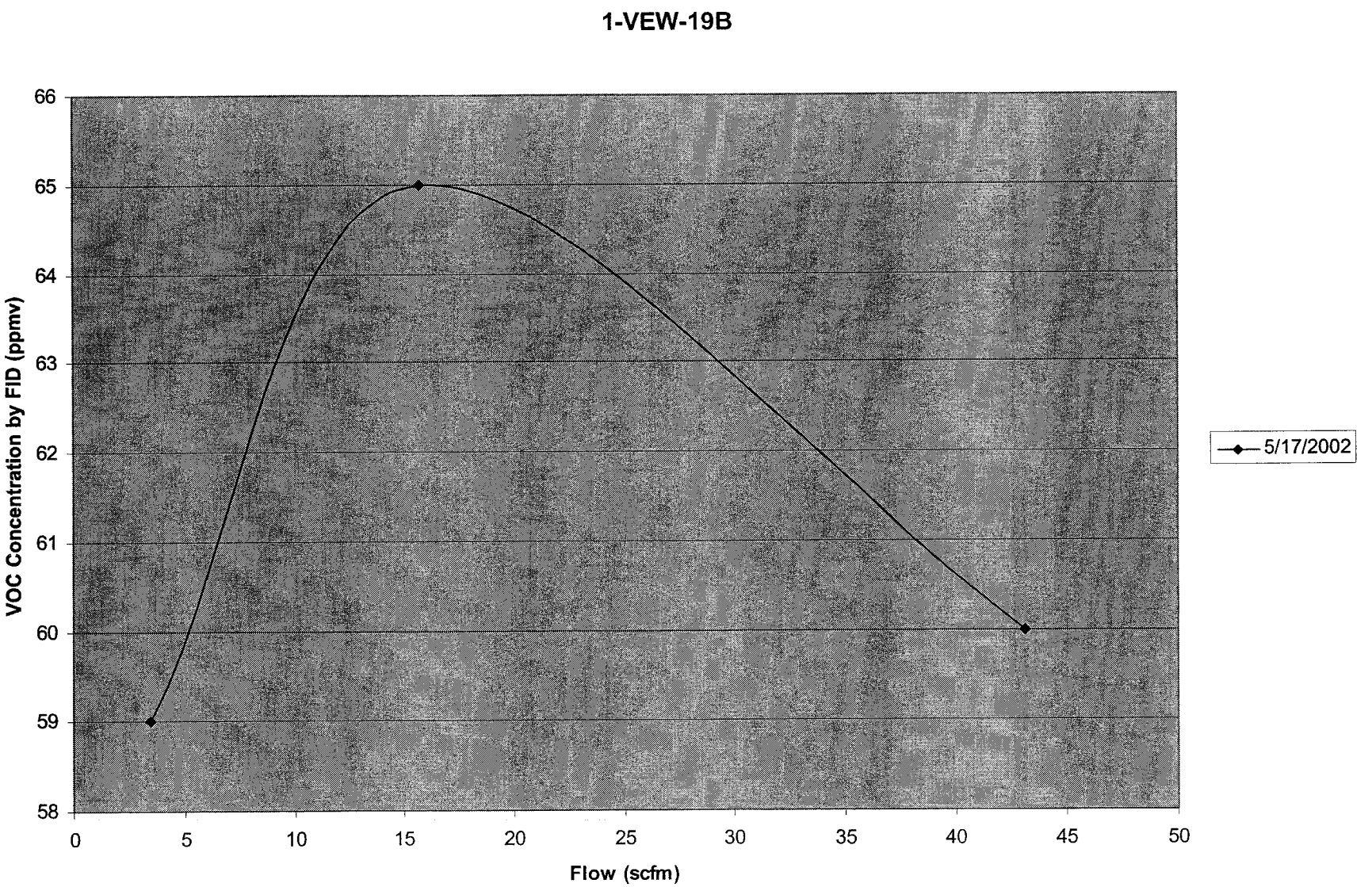

1-VEW-17A
VOC Concentration by FID (ppmv)
30
25
20
15
10
5
0
0
10
20
30
40
50
60
70
Flow (scfm)
5/22/2002

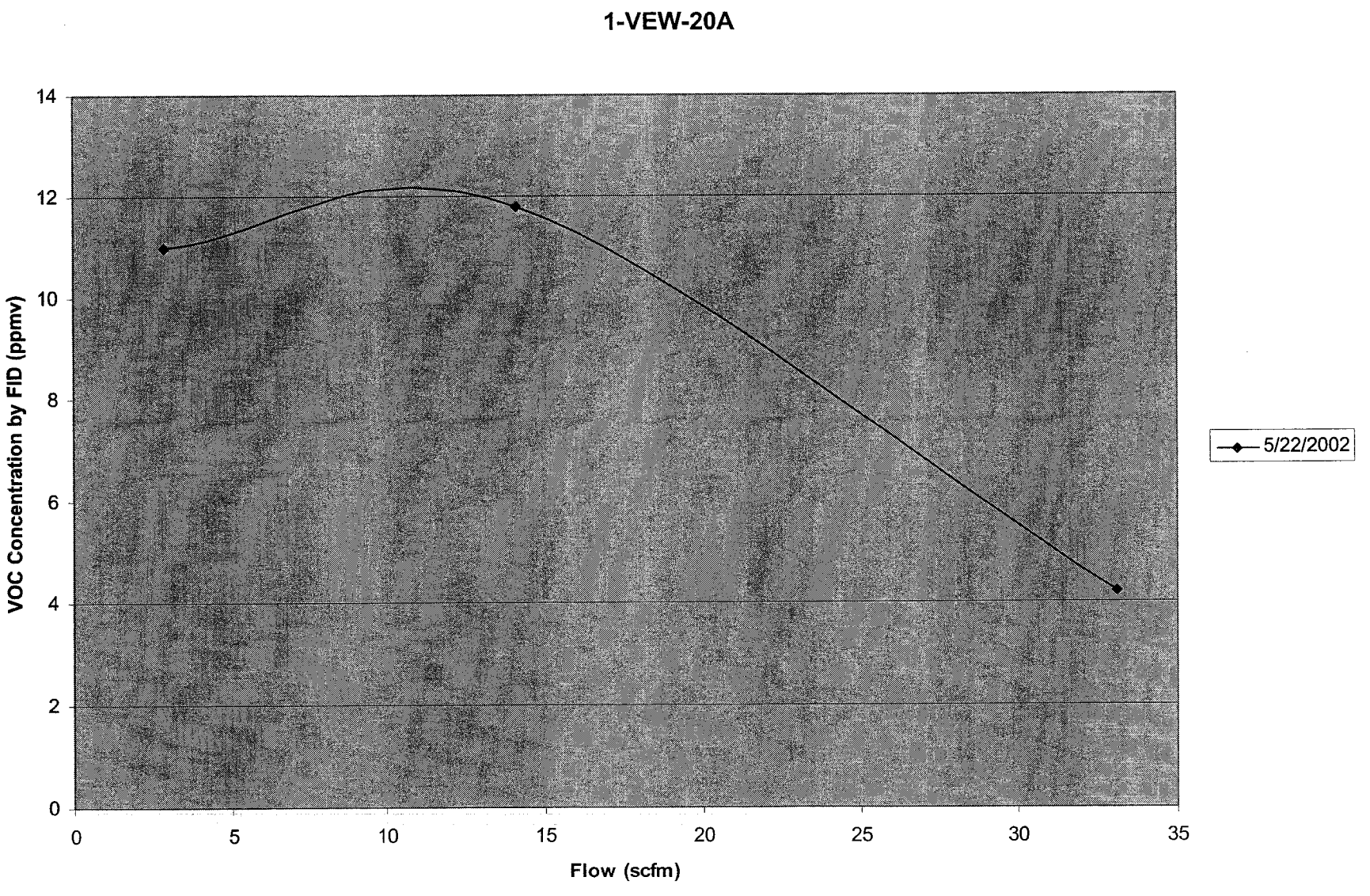

1-VEW-17B
VOC Concentration by FID (ppmv)
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
Flow (scfm)
5/17/2002

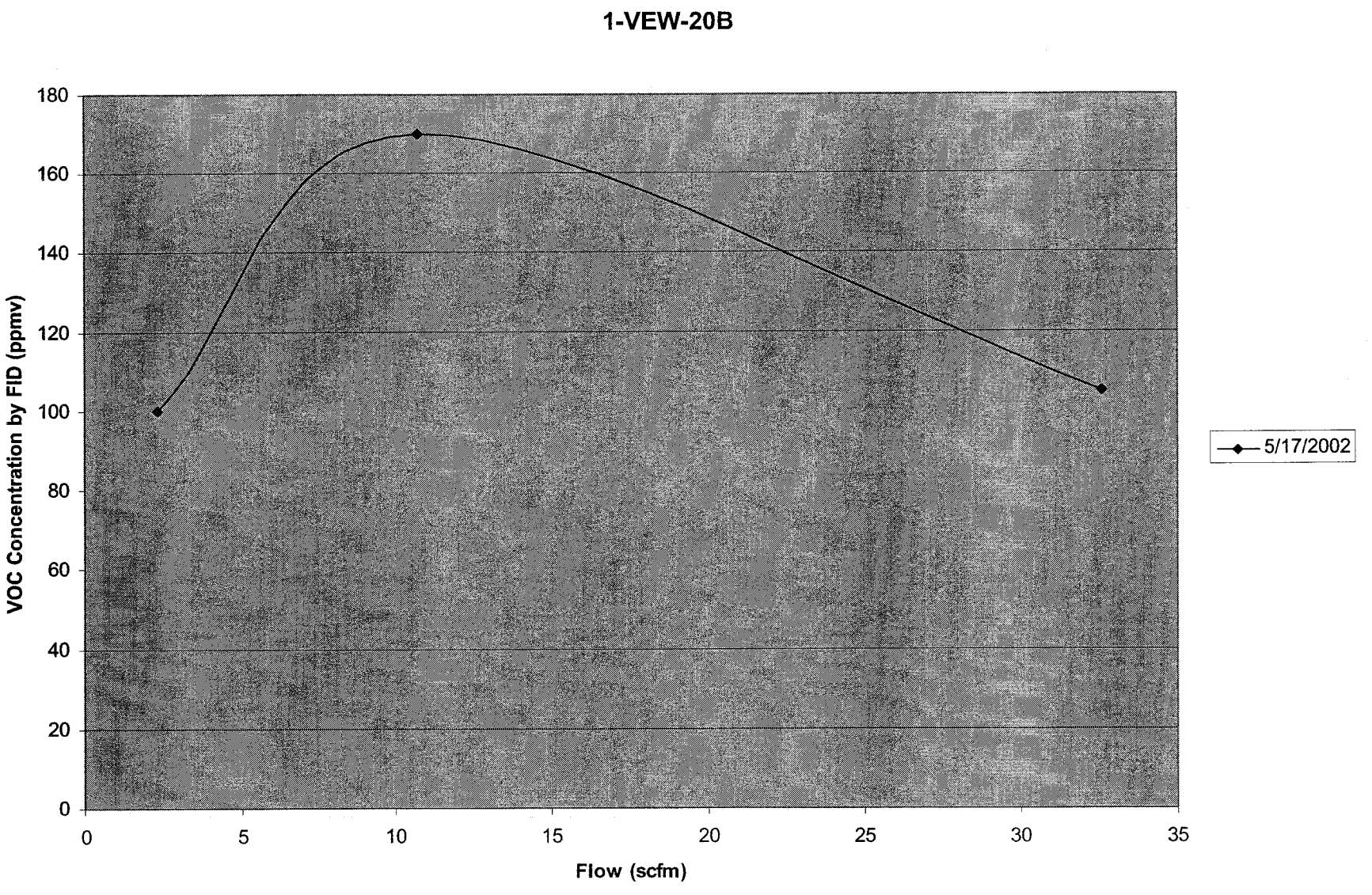

1-VEW-18A
VOC Concentration by FID (ppmv)
14
12
10
8
6
4
2
0
0
5
10
15
20
25
Flow (scfm)
5/22/2002

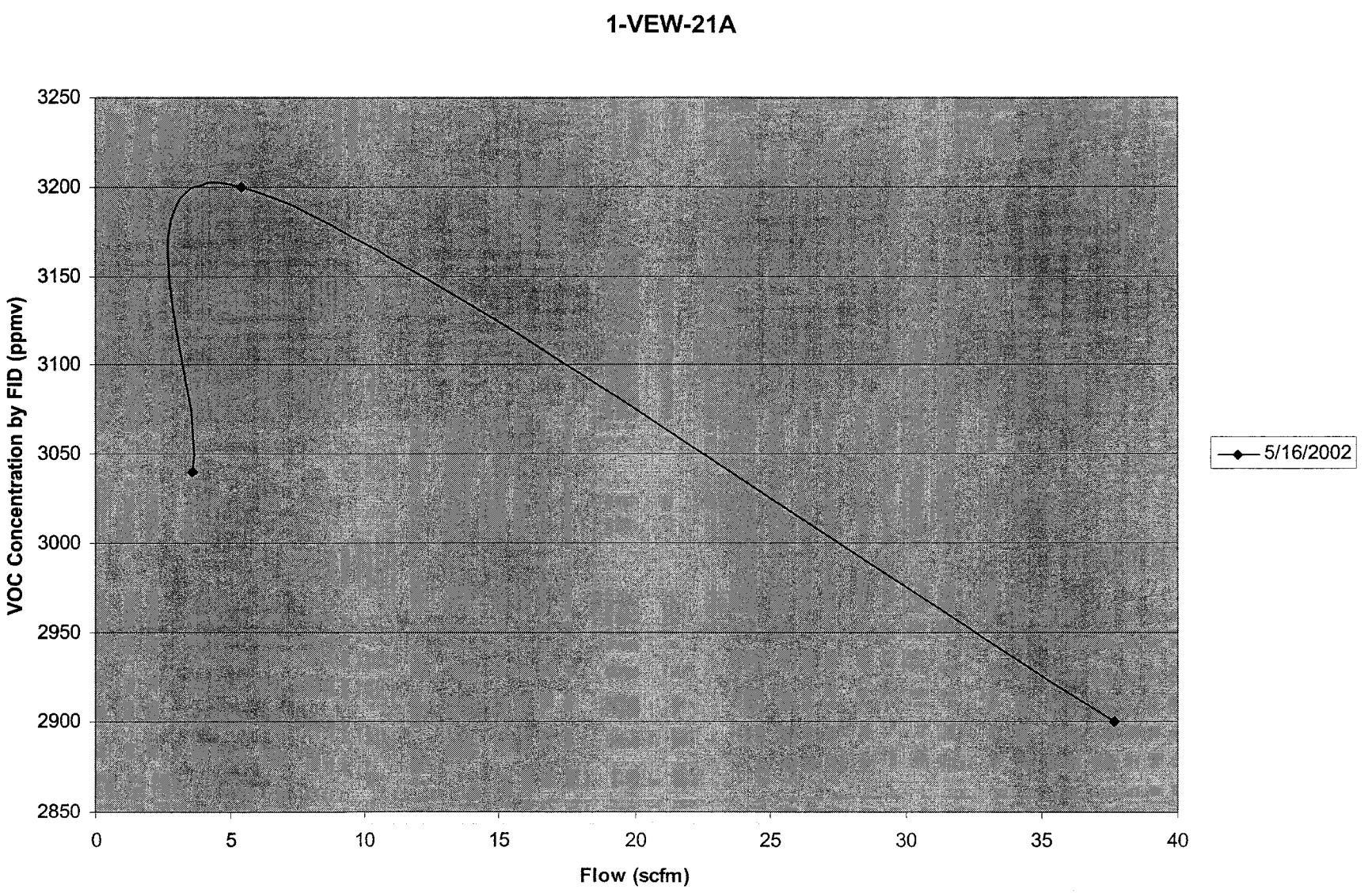

1-VEW-18B
VOC Concentration by FID (ppmv)
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
Flow (scfm)
5/17/2002

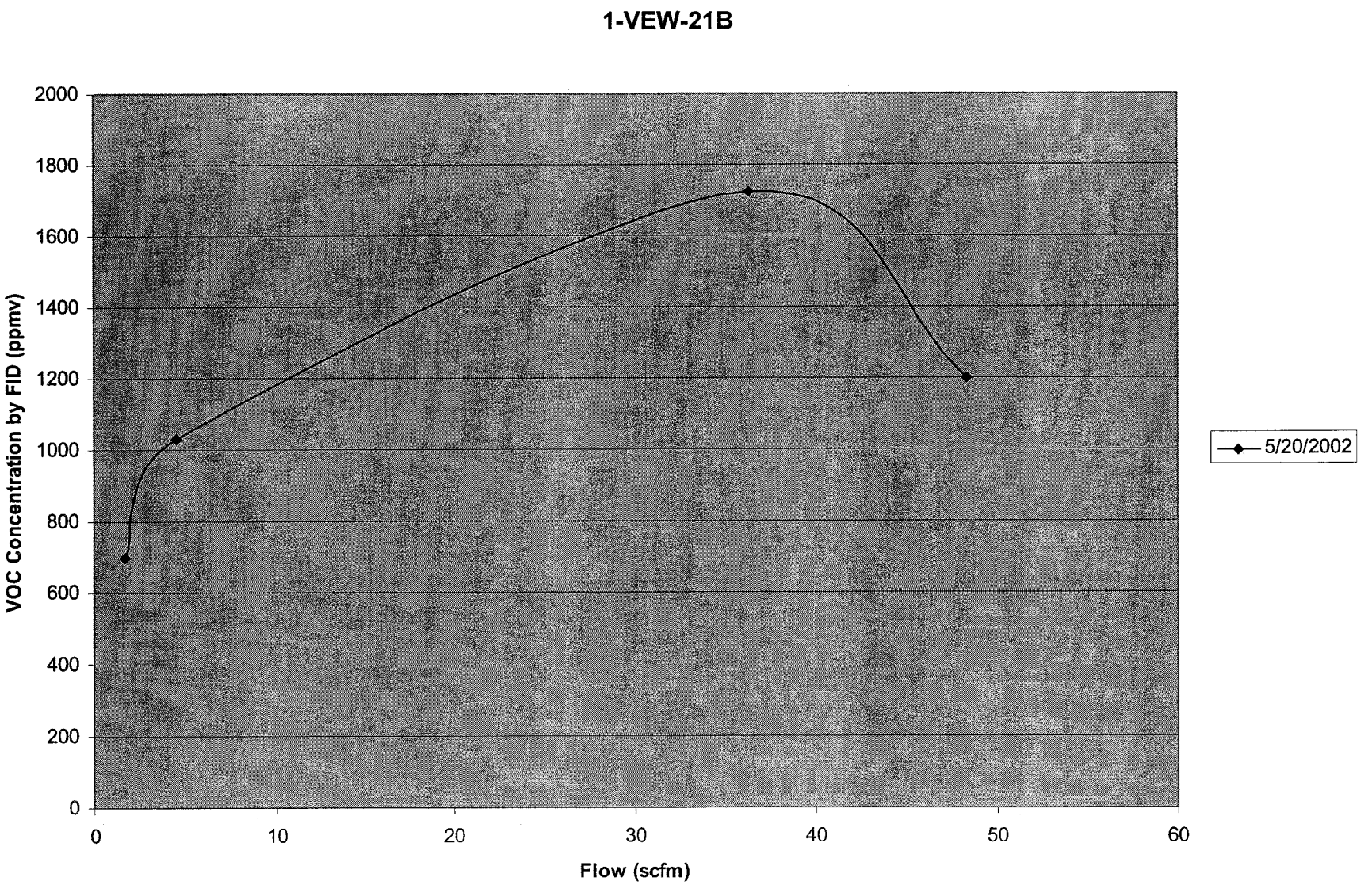

1-VEW-19A
VOC Concentration by FID (ppmv)
30
25
20
15
10
5
0
0
10
20
30
40
50
60
70
Flow (scfm)
5/22/2002


1-VEW-19B
VOC Concentration by FID (ppmv)
66
65
64
63
62
61
60
59
58
0
5
10
15
20
25
30
35
40
45
50
Flow (scfm)
5/17/2002

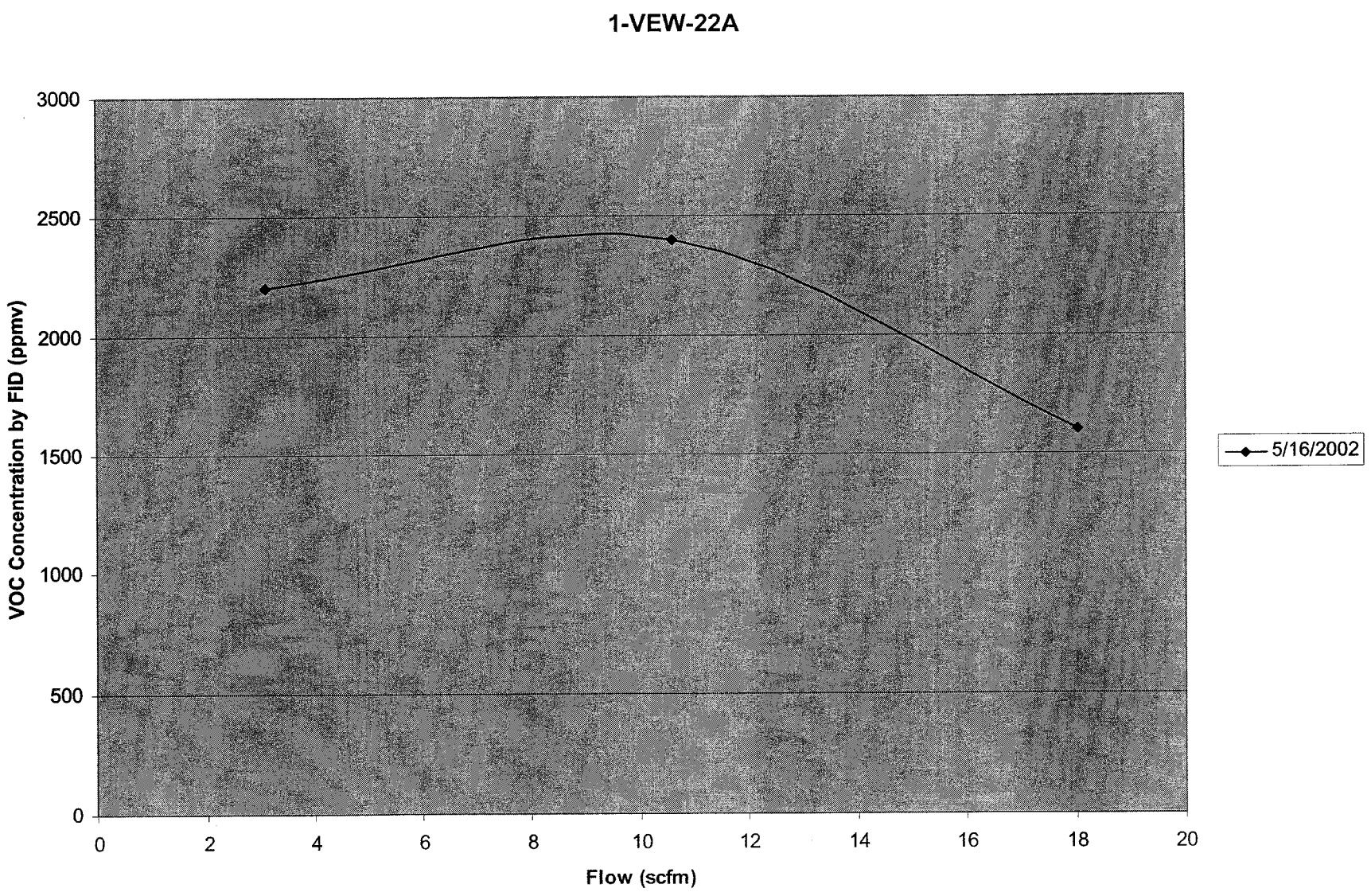

1-VEW-20A
VOC Concentration by FID (ppmv)
14
12
10
8
6
4
2
0
0
5
10
15
20
25
30
35
Flow (scfm)
5/22/2002

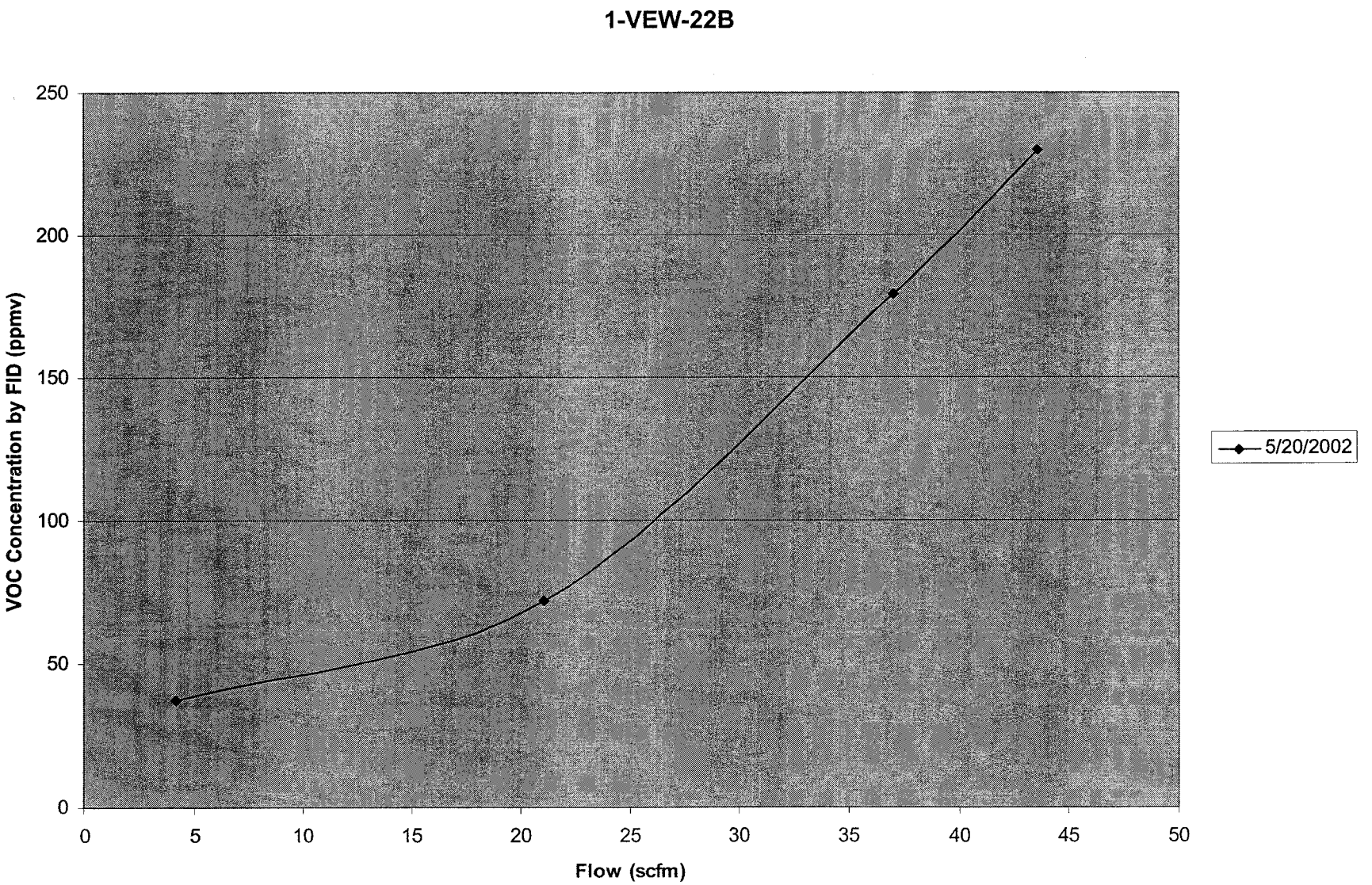

1-VEW-20B
VOC Concentration by FID (ppmv)
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
Flow (scfm)
5/17/2002

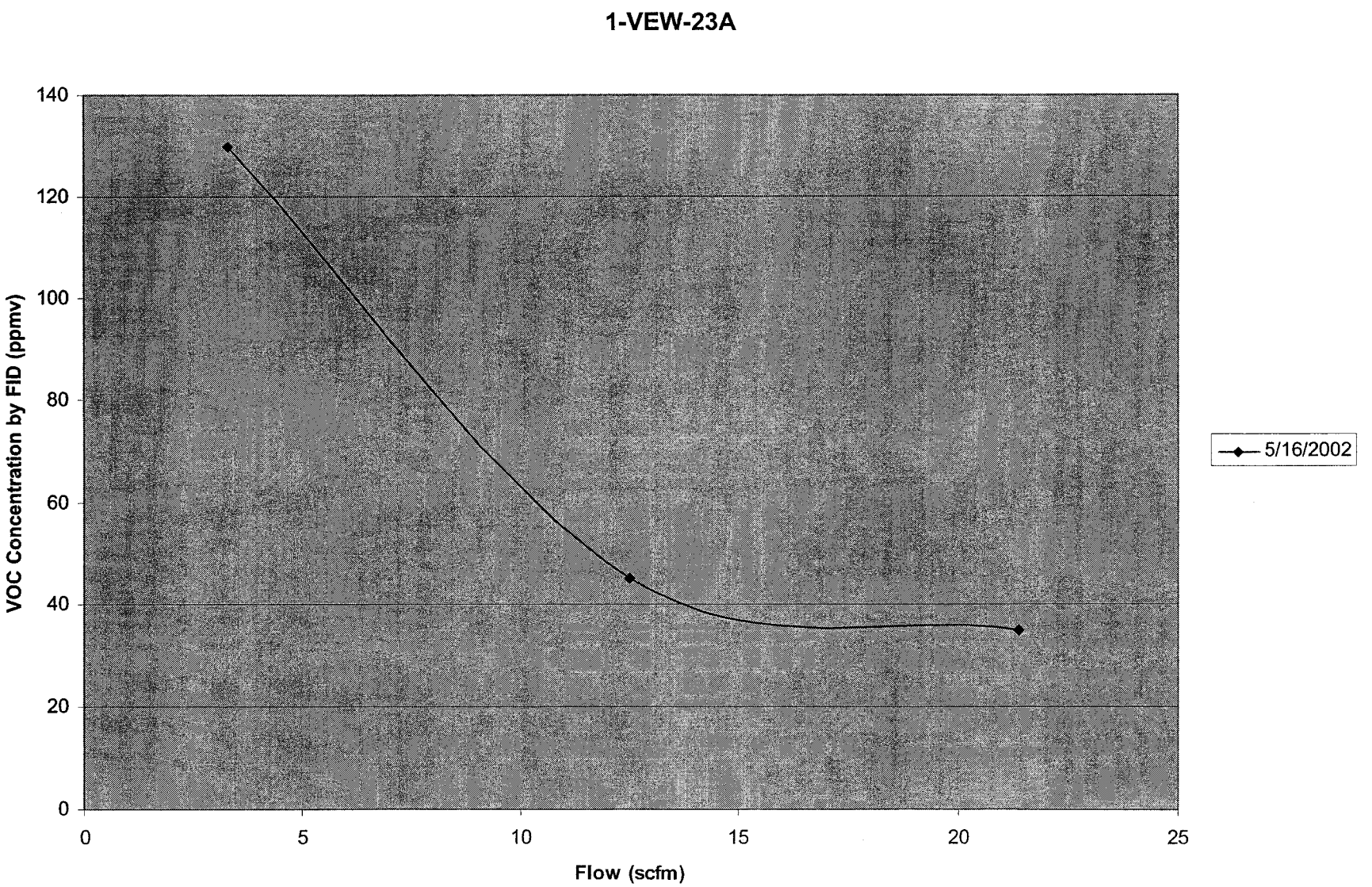

1-VEW-21A
VOC Concentration by FID (ppmv)
3250
3200
3150
3100
3050
3000
2950
2900
2850
0
5
10
15
20
25
30
35
40
Flow (scfm)
5/16/2002

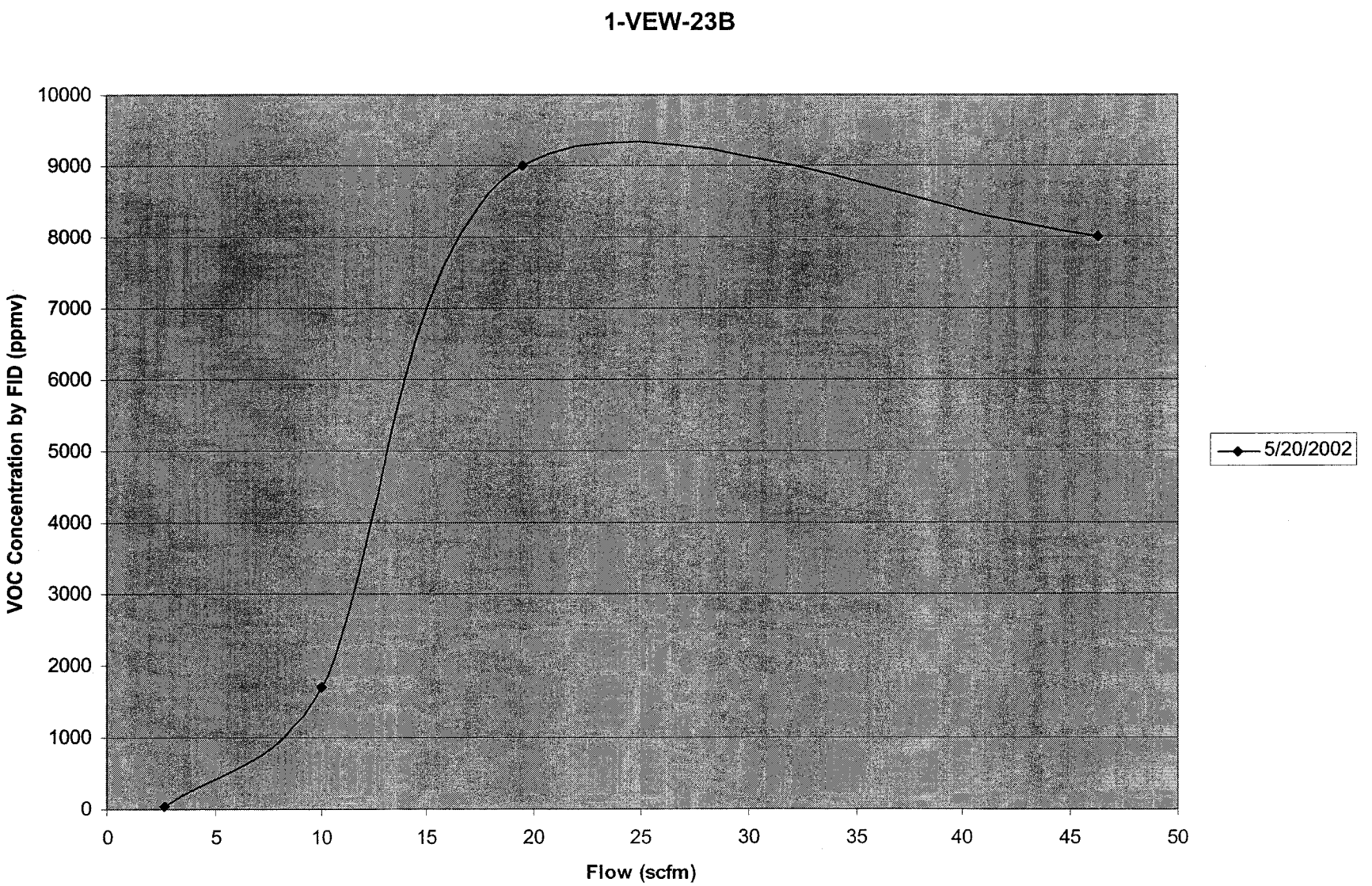


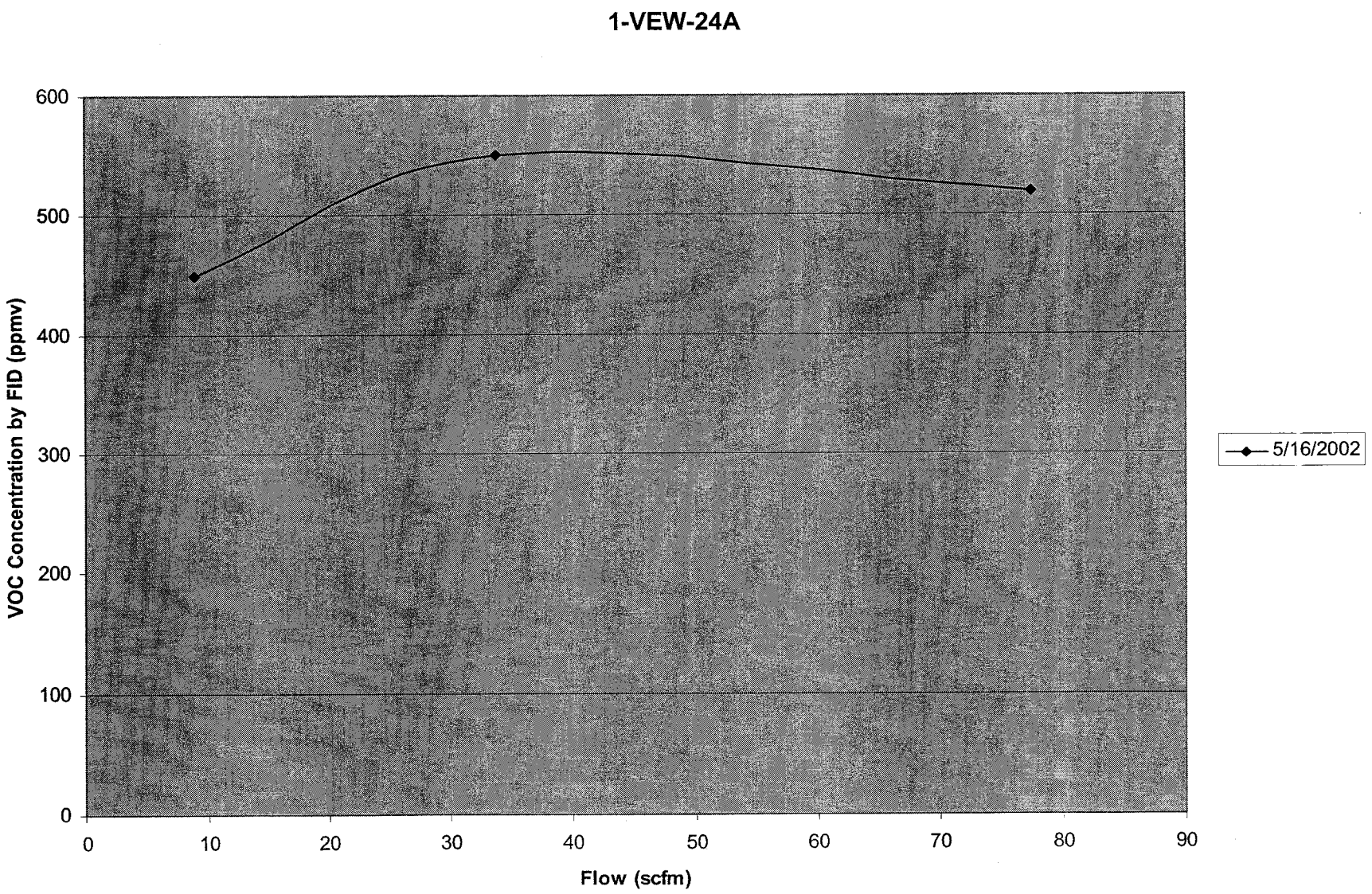
BOE-C6-0130609

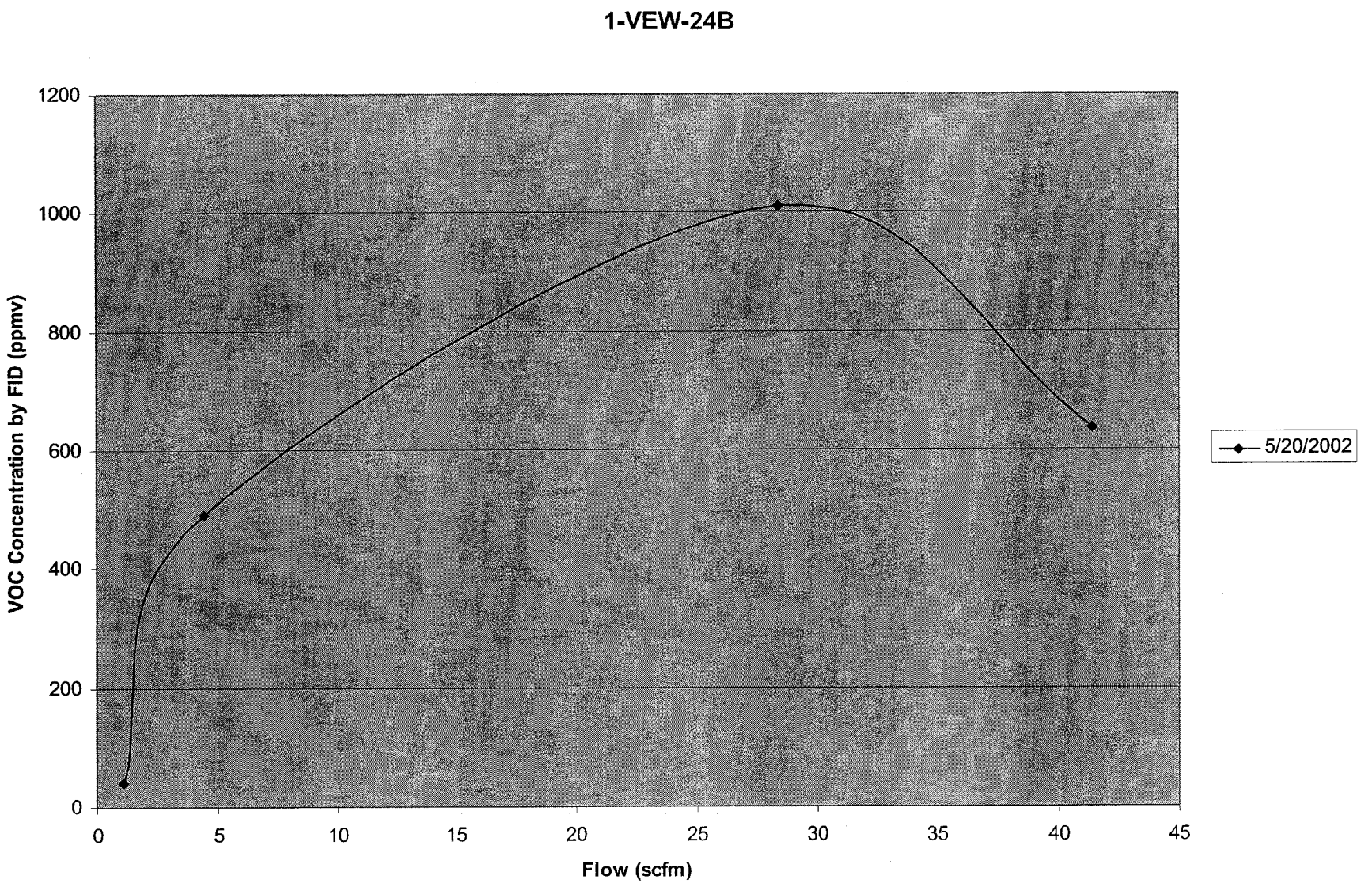

1-VEW-22A
VOC Concentration by FID (ppmv)
3000
2500
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
18
20
Flow (scfm)
5/16/2002

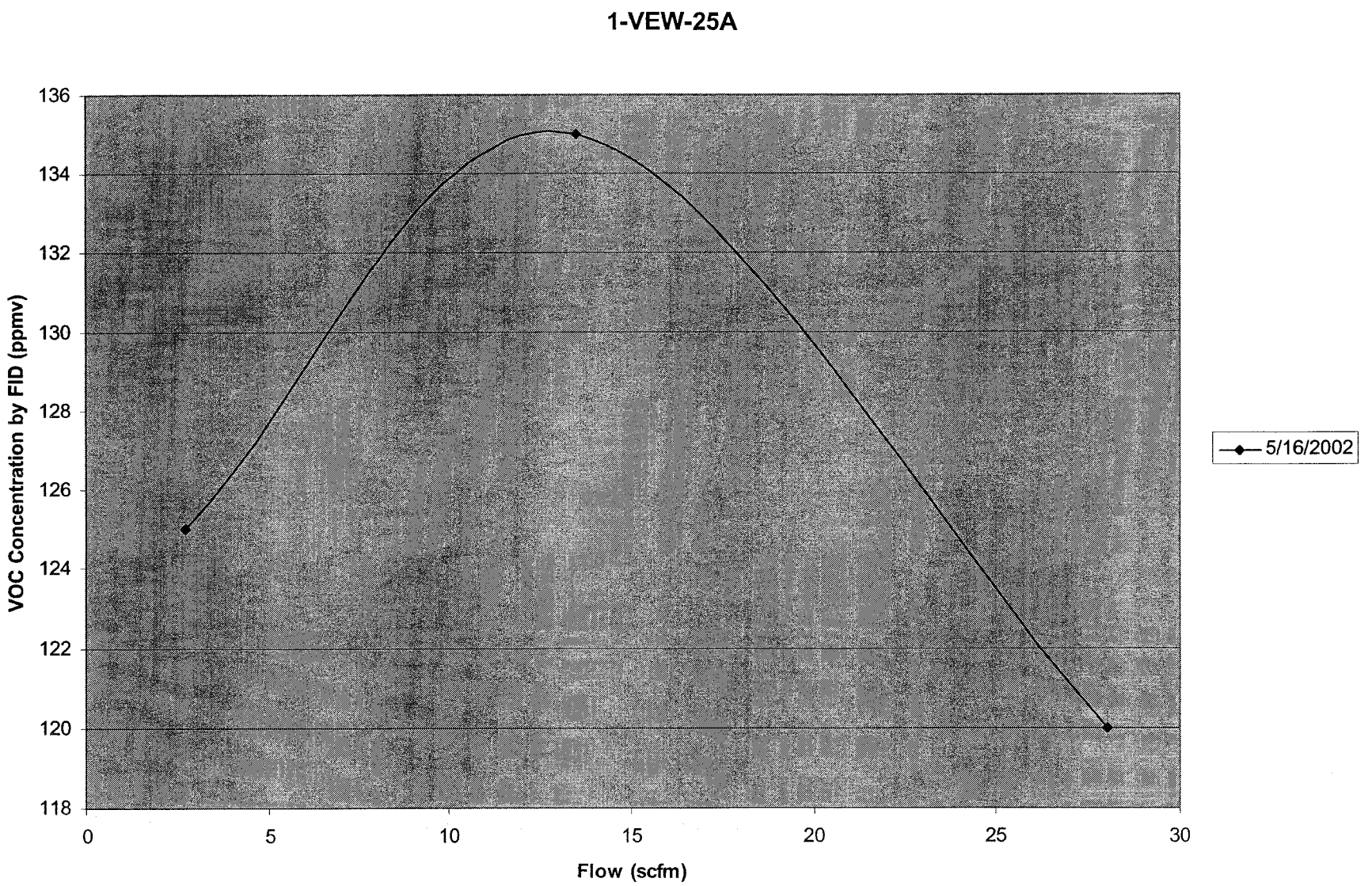

1-VEW-22B
VOC Concentration by FID (ppmv)
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
Flow (scfm)
5/20/2002

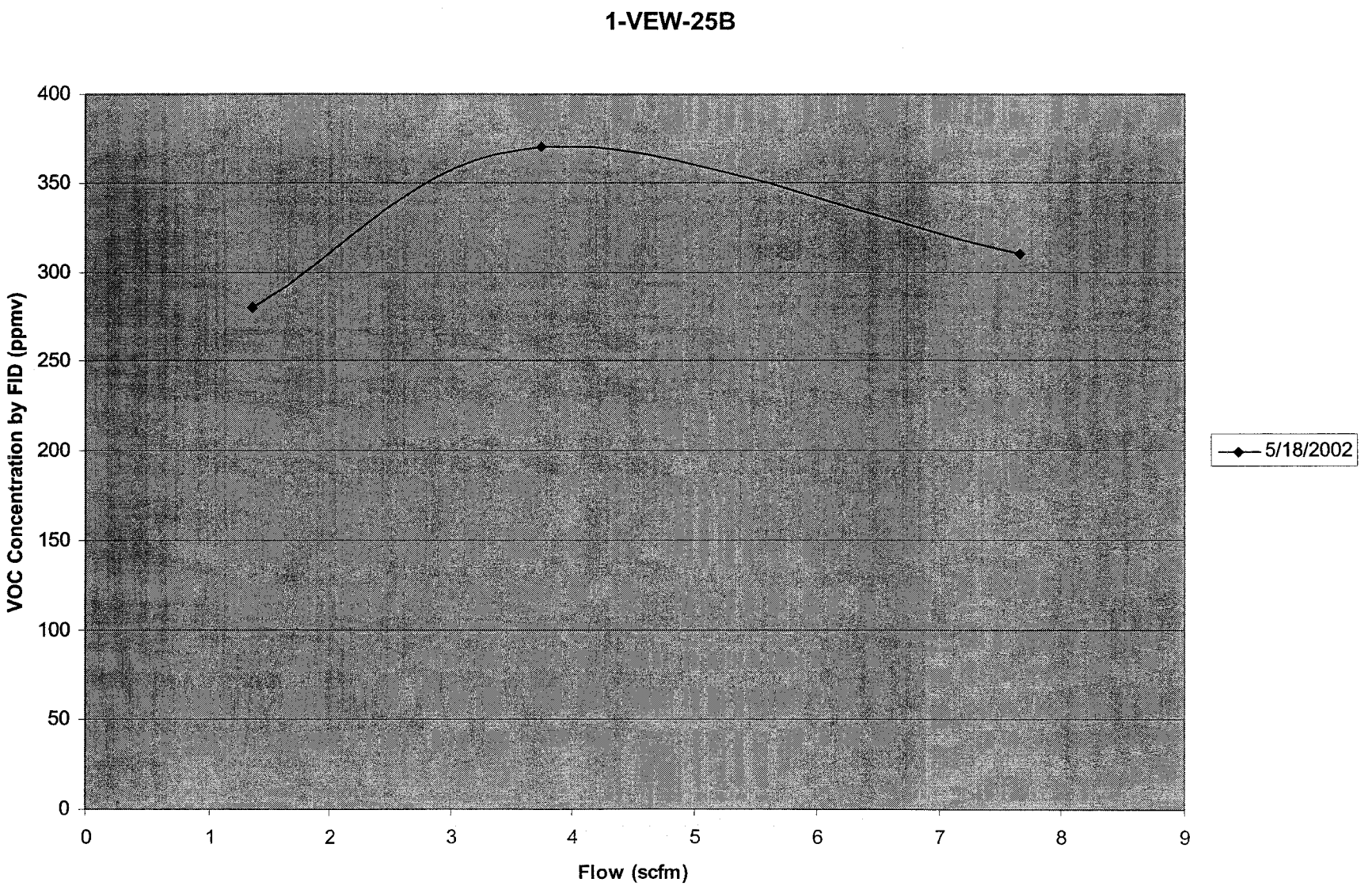

1-VEW-23A
VOC Concentration by FID (ppmv)
140
120
100
80
60
40
20
0
0
5
10
15
20
25
Flow (scfm)
5/16/2002

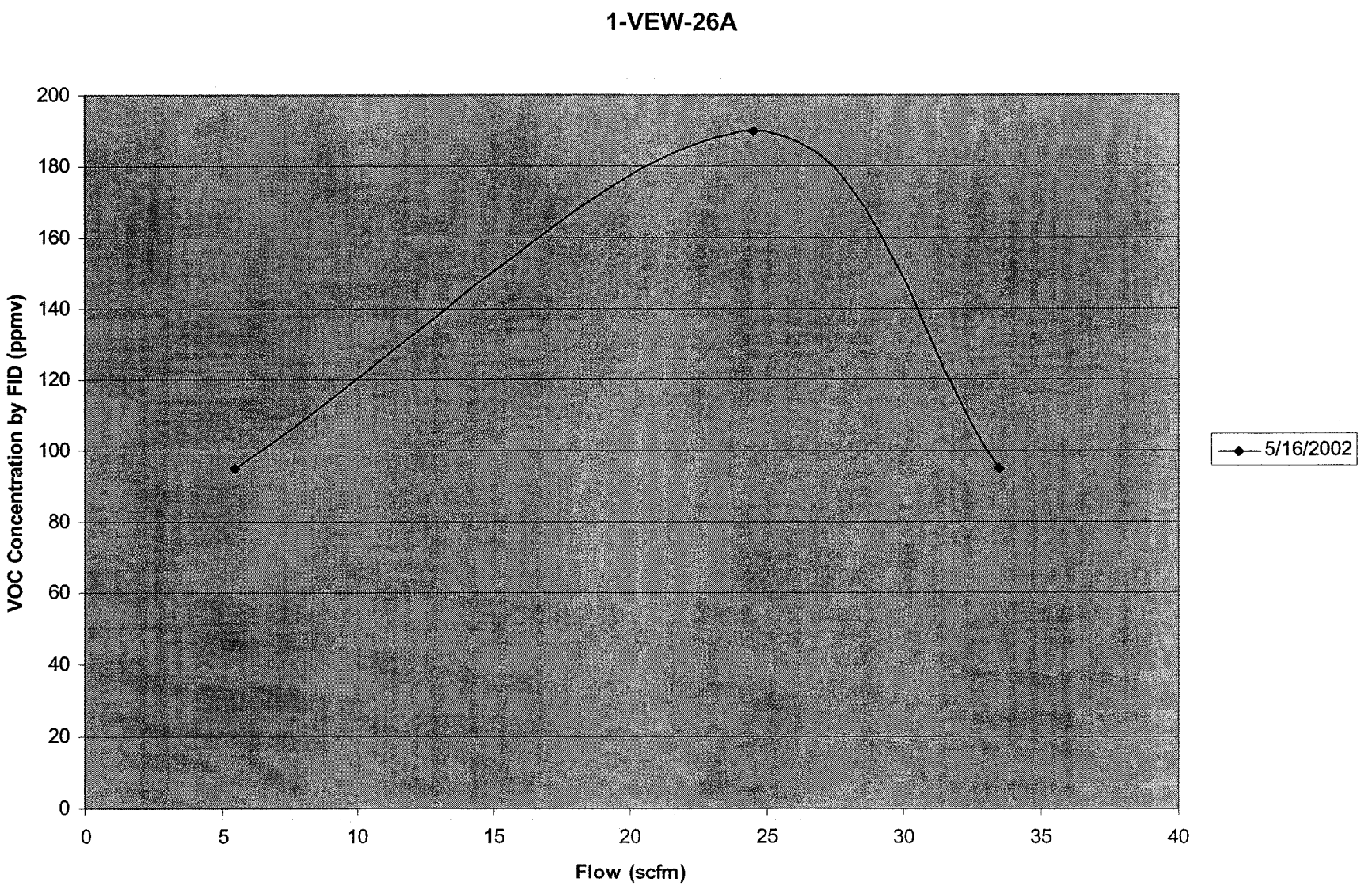

1-VEW-23B
VOC Concentration by FID (ppmv)
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
5
10
15
20
25
30
35
40
45
50
Flow (scfm)
5/20/2002

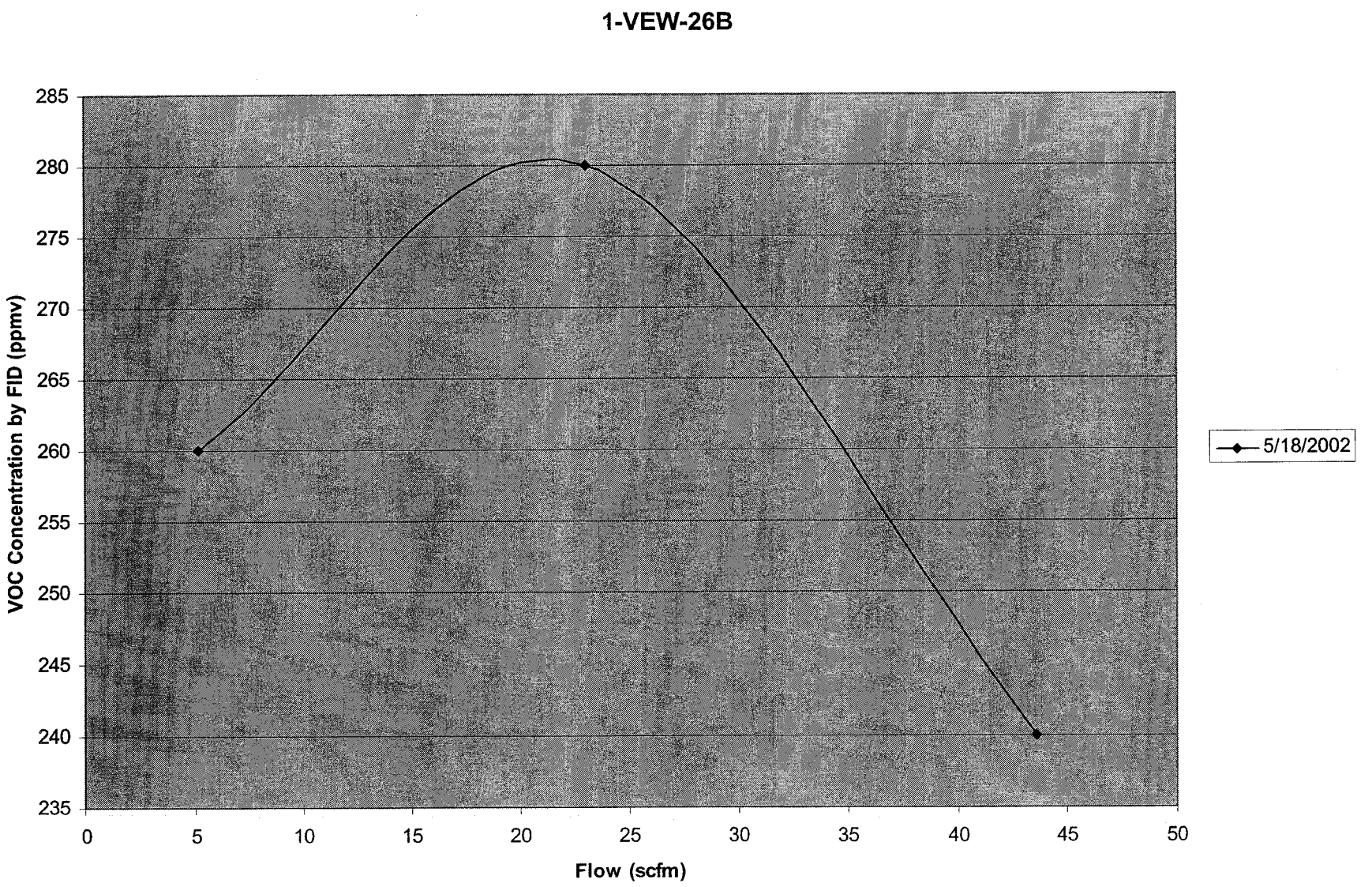

1-VEW-24A
VOC Concentration by FID (ppmv)
600
500
400
300
200
100
0
0
10
20
30
40
50
60
70
80
90
Flow (scfm)
5/16/2002


1-VEW-24B
VOC Concentration by FID (ppmv)
1200
1000
800
600
400
200
0
0
5
10
15
20
25
30
35
40
45
Flow (scfm)
5/20/2002


1-VEW-25A
VOC Concentration by FID (ppmv)
136
134
132
130
128
126
124
122
120
118
0
5
10
15
20
25
30
Flow (scfm)
5/16/2002


1-VEW-25B
VOC Concentration by FID (ppmv)
400
350
300
250
200
150
100
50
0
0
1
2
3
4
5
6
7
8
9
Flow (scfm)
5/18/2002


1-VEW-26A
VOC Concentration by FID (ppmv)
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
Flow (scfm)
5/16/2002


1-VEW-26B
VOC Concentration by FID (ppmv)
285
280
275
270
265
260
255
250
245
240
235
0
5
10
15
20
25
30
35
40
45
50
Flow (scfm)
5/18/2002

Appendix B

BOE-C6-0130620

ATTACHMENT 2

BUILDING 2
SVE OPERATIONAL DATA

TABLE 5 - BUILDING 2 SVE SYSTEM INFLUENT LABORATORY DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

COMPOUND	SAMPLE DATE	11/28/2001	12/6/2001	1/3/2002	2/6/2002	3/6/2002	4/4/2002	5/3/2002
	SAMPLE TYPE	Diluted Inlet	Diluted Inlet	Diluted Inlet	Diluted Inlet	Diluted Inlet	Diluted Inlet	Diluted Inlet
	LAB ID	DILUTED_INLET_ (11B, 14B)	DILUTED_INLET_ (11B, 14B)	DILUTED_INLET_ BLDG_2_01/03/02	DILUTED_INLET_ BLDG_2_02/06/02	DILUTED_INLET_ BLDG_2_03/06/02	GAC0002D_ AV040402_001	GAC0002D_ AV050302_001
1,1 Dichloroethene (ppbv)		220	1,600	660	2,800	1,500	1,700	1,600
cis-1,2-Dichloroethene (ppbv)		ND	ND	ND	210	120	120	63
1,1-Dichlrorethane (ppbv)		ND	ND	ND	220	86	96	57
1,1,1 Trichloroethane (ppbv)		13	92	280	800	370	310	150
Trichloroethene (ppbv)		4,600	21,000	7,500	31,000	26,000	19,000	13,000
Tetrachloroethene (ppbv)		59	260	84	210	100	180	190
Trichlorofluoromethane (ppbv)		11	59	19	ND	ND	45	44
Chloroform (ppbv)		ND	ND	ND	130	ND	260	360
Methylene Chloride (ppbv)		ND	ND	ND	ND	110	49	ND
Toluene (ppbv)		ND	ND	ND	ND	ND	ND	ND
Xylene (ppbv)		ND	ND	ND	ND	ND	ND	ND

COMPOUND	SAMPLE DATE	6/4/2002	7/3/2002	8/15/2002	9/5/2002	10/1/2002	10/16/2002	11/7/2002	11/11/2002
	SAMPLE TYPE	Inlet	Inlet	Inlet	Inlet	Inlet	Rebound Inlet	Inlet	Rebound Inlet
	LAB ID	GAC0002D_ AV060402_001	GAC0002D_ AV070302_001	GAC0002D_ AV081502_001	GAC0002U_ AV090502_001	GAC0002U_ AV100102_001	GAC0002U_ AV101602_001	GAC0002U_ AV110702_001	GAC00024_ AV111102_001
1,1 Dichloroethene (ppbv)		1,300	1,100	830	660	690	390	360	300
cis-1,2-Dichloroethene (ppbv)		38	29	25	16	13	7	14	10
1,1-Dichlrorethane (ppbv)		38	28	24	22	19	13	14	10
1,1,1 Trichloroethane (ppbv)		560	82	75	70	53	17	51	31
Trichloroethene (ppbv)		6,100	3,800	4,900	4,000	2,600	1,700	3,000	1,400
Carbon Tetrachloride (ppbv)		23	25	27	18	22	14	19	22
Benzene (ppbv)		ND	ND	ND	ND	33	3	ND	ND
Ethylbenzene (ppbv)		ND	ND	ND	ND	20	2	ND	ND
Methyl Tert-butyl Ether (ppbv)		ND	ND	ND	1	65	11	ND	3
Tetrachloroethene (ppbv)		110	80	180	120	81	100	91	97
Dichlorodifluoromethane (ppbv)		11	12	9	ND	7	3	ND	ND
Trichlorofluoromethane (ppbv)		23	30	21	17	19	19	8	10
Chloroform (ppbv)		540	640	760	610	700	330	690	750
Methylene Chloride (ppbv)		18	12	12	10	10	3	ND	3
Toluene (ppbv)		520	11	ND	11	220	9	ND	5
Xylene (ppbv)		18	ND	ND	ND	83	9	ND	3

Notes:
ppbv = parts per billion by volume
ND = Below method detction limits

TABLE 6 - BUILDING 2 SVE SYSTEM FIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

DATE	HOUR METER	TIME	UNDILUTED FLOW RATE (1) (scfm)	DILUTED INLET FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	DILUTED INFLUENT PID (2) (ppmv)	MID POINT CARBON PID (2) (ppmv)	EFFLUENT CARBON PID (2) (ppmv)	COMMENTS
11/28/01	24	13:15	75	725	28	58	0.0	0.0	
11/30/01	75	14:20	80	750	NA	60	3.6	2.0	
12/03/01	76	17:10	85	750	NA	18	0.4	0.0	
12/04/01	93	10:15	67	750	NA	98	3.0	0.0	
12/05/01	123	16:30	68	790	NA	167	1.8	0.0	
12/06/01	138	8:30	65	795	29	265	7.1	5.0	
12/07/01	161	7:30	66	795	30	245	0.5	0.2	
12/08/01	196	16:00	70	770	29	250	5.9	5.1	
12/09/01	217	13:00	190	770	30	230	4.5	0.9	
12/10/01	244	16:00	65	760	29	95	5.5	0.0	
12/11/01	263	11:00	55	760	31	310	0.2	0.0	
12/12/01	295	19:15	75	780	30	350	0.5	0.0	
12/13/01	311	11:15	69	775	30	380	0.3	0.0	
12/20/01	479	15:10	95	775	39	350	33.0	0.0	
12/28/01	647	11:00	400	770	29	480	# 8.0	0.0	GAC Changeout
1/3/2002	785	15:00	575	795	29	32	0.0	0.0	
01/10/02	953	15:00	# 150	765	25	195	51.0	0.0	GAC Changeout
01/18/02	983	18:00	350	720	53	342	0.3	0.1	
01/24/02	1124	15:10	360	735	52	380	40.2	0.0	
01/31/02	1220	15:48	400	765	38	960	NR	0.0	Data after GAC Changeout
02/01/02	1238	10:00	400	760	27	450	0.0	0.0	
02/06/02	1360	13:00	390	760	20	365	87.0	0.2	GAC Changeout
02/08/02	1385	9:20	# 190	740	45	105	43.0	0.0	
02/15/02	1553	11:00	400	730	27	270	10.7	0.0	
02/21/02	1693	8:07	400	705	41	437	71.0	0.0	GAC Changeout
02/27/02	1838	10:30	380	590	68	465	37.0	0.0	
03/06/02	2004	9:00	378	600	68	310	53.2	0.2	GAC Changeout
03/13/02	2173	14:35	375	590	67	259	28.0	0.0	
03/20/02	2334	10:45	400	655	67	220	10.3	0.2	GAC Changeout
03/29/02	2549	10:00	385	605	61	168	16.0	0.1	
04/01/02	2627	16:50	640	630	59	261	47.4	7.5	
04/02/02	2646	11:40	660	680	61	256	59.0	12.7	GAC Changeout
04/04/02	2650	17:00	675	710	54	264	0.0	0.3	
04/05/02	2668	11:25	670	685	61	256	0.8	0.0	
04/06/02	2692	11:57	630	625	57	233	0.2	0.1	
04/07/02	2714	10:56	685	670	61	212	0.3	0.1	
04/08/02	2740	12:47	660	660	61	232	0.6	0.0	
04/09/02	2759	8:45	650	635	65	252	0.3	0.1	
04/10/02	2789	14:30	650	645	57	224	3.9	0.2	
04/11/02	2817	19:35	715	740	41	129	39.0	0.2	
04/12/02	2839	18:37	710	710	57	337	6.1	0.4	

BOE-C6-0130623

TABLE 6 - BUILDING 2 SVE SYSTEM FIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

DATE	HOUR METER	TIME	UNDILUTED FLOW RATE (1) (scfm)	DILUTED INLET FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	DILUTED INFLUENT PID (2) (ppmv)	MID POINT CARBON PID (2) (ppmv)	EFFLUENT CARBON PID (2) (ppmv)	COMMENTS
04/17/02	2904	15:20	695	690	57	153	* 4.8	* 3.8	
04/23/02	3049	15:51	665	665	61	184	* 9.4	* 2.8	
05/03/02	3240	12:48	630	665	54	164	* 2.6	* 1.3	GAC Changeout
05/09/02	3391	19:10	645	640	54	158	#* 23.0	* 0.8	
05/16/02	3549	8:43	675	660	61	145	* 20.0	* 2.8	GAC Changeout
05/23/02	3722	16:20	650	620	57	15.4	* 14.0	* 9.9	
05/30/02	3887	14:00	645	610	57	19.1	* 14.0	* 13.0	
06/04/02	4005	12:00	630	620	57	* 14.0	* 19.0	* 7.0	
06/13/02	4215	8:35	655	645	58	* 18.2	* 8.4	* 2.0	GAC Changeout
06/20/02	4384	10:17	650	640	57	* 10.0	* 7.0	* 1.0	
06/27/02	4554	12:34	635	625	57	* 12.8	* 9.2	* 6.5	
07/03/02	4697	11:00	630	625	55	42.8	# 15.1	# 14.2	
07/09/02	4837	14:17	640	620	57	* 5.9	* 0.9	* 0.9	
07/15/02	4985	11:48	585	575	65	* 9.1	* 7.6	* 2.0	GAC Changeout
07/23/02	5158	9:12	625	610	54	* 13.8	* 9.7	* 0.0	
07/30/02	5328	17:25	565	535	67	* 10.0	* 4.8	* 3.4	
08/07/02	5518	15:15	555	550	54	* 13.8	* 10.0	* 2.2	
08/15/02	5710	15:30	605	590	54	* 7.0	* 5.0	* 4.0	
08/20/02	5826	11:28	590	585	59	* 7.2	* 3.2	* 5.0	
08/27/02	5992	9:40	585	585	58	* 5.6	* 3.1	* 2.5	GAC Changeout
09/05/02	6164	10:45	565	565	64	* 2.5	* 0.8	* 0.4	
09/13/02	6358	12:45	590	575	57	* 5.0	* 1.7	*2.4	
09/19/02	6503	13:20	565	570	57	* 5.8	* 2.0	* 7.8	
09/25/02	6640	7:02	635	625	53	* 8.0	* 7.0	* 6.0	GAC Changeout
10/01/02	6790	15:21	625	625	53	* 6.0	* 4.4	* 6.5	
10/09/02	6790	9:43	620	615	53	* 2.8	* 1.6	* 0.2	
10/16/02	7150	15:52	645	655	71	* 5.0	* 4.6	* 1.4	
Began Rebound Monitoring for Site Closure on Eastern Wells									
10/22/02	7152	10:39	565	565	68	* 2.8	* 5.2	* 1.4	
10/30/02	7345	8:45	560	565	68	* 7.5	* 6.0	* 4.0	
11/07/02	7538	13:15	555	565	74	* 5.6	* 4.7	* 1.4	
11/11/02	7634	14:00	645	650	41	13.3	#28.6	4.0	
Began Rebound Monitoring for Site Closure on Western Wells									

Notes:
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus
(2) Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane unless otherwise noted
Readings reading not considered representative of actual concentrations due to mositure or vacuum interference
* Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.
H2O = water
CONC = concentration
PID = photoionization detector
NA = Not applicable
NR = Not recorded

BOE-C6-0130624

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-1A	11/27/2001	13:00	39	20	1,200	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	NA	22	140	Well Opened
	1/10/2002	15:00	NA	1.3	NA	"
	1/18/2002	18:00	39	48	340	"
	1/24/2002	15:10	NA	1.7	NA	"
	1/31/2002	15:48	30	31	200	"
	2/1/2002	10:00	22	23	96	"
	2/6/2002	13:00	16	16	180	"
	2/15/2002	11:00	20	19	98	Well Closed
	3/20/2002	14:00	NA	45	12	"
	3/29/2002	14:20	3.2	9.5	NA	"
	3/30/2002	10:58	1	11	NA	"
	3/31/2002	10:31	0.5	11	NA	"
	4/1/2002	16:50	NA	11	NA	"
	4/2/2002	11:40	NA	11	NA	"
	4/4/2002	17:00	NA	8.4	NA	"
	4/5/2002	11:30	NA	10.5	NA	"
	4/6/2002	12:00	NA	10	NA	"
	4/7/2002	11:00	NA	11	NA	"
	4/8/2002	12:45	NA	10	NA	"
	4/9/2002	8:45	NA	13	NA	"
	4/10/2002	14:30	NA	12	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8	NA	"
	4/17/2002	15:20	NA	4.5	NA	"
	4/23/2002	15:51	NA	10	NA	"
	5/3/2002	12:48	NA	5	NA	"
	5/9/2002	19:10	NA	11	NA	"
	5/23/2002	16:20	NA	10.5	NA	"
	6/13/2002	8:35	NA	11	NA	"
	6/20/2002	10:17	NA	11	NA	"
	6/27/2002	12:34	NA	10	NA	"
	7/3/2002	11:00	NA	10	NA	"
	7/9/2002	14:17	NA	11	NA	"
	7/15/2002	11:48	NA	12	NA	"
	7/23/2002	9:12	NA	11	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	9	NA	"
	8/20/2002	11:28	NA	8	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	9	NA	"
	9/19/2002	13:20	NA	8	NA	"
	9/25/2002	7:02	39.2	30	3	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	11	NA	"
	10/16/2002	10:27	NA	3	NA	"
	10/22/2002	10:39	NA	NA	NA	"
	10/30/2002	8:45	NA	NA	NA	"
	11/7/2002	13:15	NA	8	NA	"
	11/11/2002	14:00	40	37	1.4	"

BOE-C6-0130625

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-1B	11/27/2001	13:00	11	17	>9,999	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	NA	29	2,800	Well Opened
	1/10/2002	15:00	NA	1.6	NA	"
	1/18/2002	18:00	NA	2.9	NA	Well Closed
	1/24/2002	15:10	17	48	>9,999	"
	1/31/2002	15:48	8	31	>9,999	"
	2/1/2002	10:00	10	23	6,500	"
	2/6/2002	13:00	5.3	16	6,800	"
	2/15/2002	11:00	5.5	19	3,980	"
	2/27/2002	10:30	14.2	52	4,230	"
	3/6/2002	9:00	8.5	48	2,790	"
	3/13/2002	14:35	9	50	4,240	"
	3/20/2002	10:45	12	50	1,300	"
	3/29/2002	10:00	10.1	54	1,800	Well Opened
	3/29/2002	14:20	18.1	46	1,350	"
	3/30/2002	10:58	9	48	1,478	"
	3/31/2002	10:31	8.4	48	1,744	"
	4/1/2002	16:50	7.4	49	1,475	"
	4/2/2002	11:40	6.8	51	1,535	"
	4/4/2002	17:00	6.8	47	1,565	"
	4/5/2002	11:30	9.4	49	1,720	"
	4/6/2002	12:00	10.8	49	1,429	"
	4/7/2002	11:00	17	50	1,474	"
	4/8/2002	12:45	9.2	50	1,434	"
	4/9/2002	8:45	6.5	51	1,684	"
	4/10/2002	14:30	6.2	49	1,635	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	9.4	49	NA	"
	4/17/2002	15:20	9	43	1,439	"
	4/23/2002	15:51	9.15	50	NA	"
	5/3/2002	12:48	11	41.5	642	"
	5/9/2002	19:10	8	43	795	"
	5/23/2002	16:20	17.1	48.5	* 25	"
	6/13/2002	8:35	9.6	48	* 48	"
	6/20/2002	10:17	48	7.8	* 50	"
	6/27/2002	12:34	9.2	48	* 49	"
	7/3/2002	11:00	7	47	489	"
	7/9/2002	14:17	10.3	49	410	"
	7/15/2002	11:48	11	54	520	"
	7/23/2002	9:12	10.8	54	444	"
	7/30/2002	13:35	12.3	62	435	"
	8/7/2002	15:15	9.7	59	436	"
	8/15/2002	15:30	9	50	462	"
	8/20/2002	11:28	10.6	60	189	"
	8/27/2002	9:40	11	59	234	"
	9/5/2002	10:45	11.2	64	260	"
	9/13/2002	12:45	10.4	60	513	"
	9/19/2002	13:20	10.1	57	223	"
	9/25/2002	7:02	9.9	52	330	"
	10/1/2002	15:51	7.4	51	239	"
	10/9/2002	9:43	9.4	51	304	"
	10/16/2002	10:27	12.5	76	202	"
	10/22/2002	10:39	13	69	250	"
	10/30/2002	8:45	13.8	69	233	"
	11/7/2002	13:15	30	69	250	"
	11/11/2002	14:00	14.5	69	245	"

BOE-C6-0130626

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-2	11/27/2001	13:00	60	25	1,300	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	70	20	740	Well Opened
	1/10/2002	15:00	NA	1.5	NA	Well Closed
	1/18/2002	18:00	NA	3.2	NA	"
	1/24/2002	15:10	NA	2	NA	"
	1/31/2002	15:48	60	31	>9,999	Well Opened
	2/1/2002	10:00	29	22	335	"
	2/6/2002	13:00	18	15	260	"
	2/15/2002	11:00	23	19	94	Well Closed
	3/20/2002	14:00	NA	47	18	"
	3/29/2002	14:20	24	19	8	"
	3/30/2002	10:58	24	21	8	Well Opened
	3/31/2002	10:31	24	20	3	"
	4/1/2002	16:50	25	21	4	"
	4/2/2002	11:40	NA	13	NA	Well Closed
	4/4/2002	17:00	NA	9	NA	"
	4/5/2002	11:30	NA	12.5	NA	"
	4/6/2002	12:00	NA	12	NA	"
	4/7/2002	11:00	NA	13	NA	"
	4/8/2002	12:45	NA	12	NA	"
	4/9/2002	8:45	NA	14	NA	"
	4/10/2002	14:30	NA	12	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8.5	NA	"
	4/17/2002	15:20	NA	4	NA	"
	4/23/2002	15:51	NA	11	NA	"
	5/3/2002	12:48	NA	6	NA	"
	5/9/2002	19:10	NA	11	NA	"
	5/23/2002	16:20	NA	11	NA	"
	6/13/2002	8:35	NA	12	NA	"
	6/20/2002	10:17	NA	12	NA	"
	6/27/2002	12:34	NA	11	NA	"
	7/3/2002	11:00	NA	12	NA	"
	7/9/2002	14:17	NA	12	NA	"
	7/15/2002	11:48	NA	12	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	10	NA	"
	8/20/2002	11:28	NA	10	NA	"
	8/27/2002	9:40	NA	9	NA	"
	9/5/2002	10:45	NA	9	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	9	NA	"
	9/25/2002	7:02	55.5	30	3	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	10	NA	"
	10/16/2002	10:27	NA	3	NA	"
	10/22/2002	10:39	NA	NA	NA	Vent
	10/30/2002	8:45	NA	NA	NA	"
	11/7/2002	13:15	NA	NA	NA	"
	11/11/2002	14:00	75	39	3	"

BOE-C6-0130627

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-3A	11/27/2001	13:00	20	20	710	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	12	22	160	Well Opened
	1/10/2002	15:00	NA	1.3	NA	"
	1/18/2002	18:00	23	50	560	"
	1/24/2002	15:10	11	49	470	"
	1/31/2002	15:48	17	32	360	"
	2/1/2002	10:00	7	23	250	"
	2/6/2002	13:00	7	17	210	"
	2/15/2002	11:00	6.5	19	85	Well Closed
	3/20/2002	14:00	NA	50	NA	"
	3/29/2002	10:00	94	54	31	Well Opened
	3/29/2002	14:20	1	9	NA	Well Closed
	3/30/2002	10:58	0.6	11	NA	"
	3/31/2002	10:31	0.5	10	NA	"
	4/1/2002	16:50	NA	10	NA	"
	4/2/2002	11:40	NA	12	NA	"
	4/4/2002	17:00	NA	8	NA	"
	4/5/2002	11:30	NA	11.5	NA	"
	4/6/2002	12:00	NA	10.5	NA	"
	4/7/2002	11:00	NA	11	NA	"
	4/8/2002	12:45	NA	12	NA	"
	4/9/2002	8:45	NA	13	NA	"
	4/10/2002	14:30	NA	10	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8	NA	"
	4/17/2002	15:20	NA	4	NA	"
	4/23/2002	15:51	NA	10	NA	"
	5/3/2002	12:48	NA	5.5	NA	"
	5/9/2002	19:10	NA	10	NA	"
	5/23/2002	16:20	NA	10	NA	"
	6/13/2002	8:35	NA	12	NA	"
	6/20/2002	10:17	NA	12	NA	"
	6/27/2002	12:34	NA	11	NA	"
	7/3/2002	11:00	NA	10	NA	"
	7/9/2002	14:17	NA	11	NA	"
	7/15/2002	11:48	NA	12	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	8	NA	"
	8/20/2002	11:28	NA	8	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	8	NA	"
	9/19/2002	13:20	NA	8	NA	"
	9/25/2002	7:02	7.55	30	4	"
	10/1/2002	15:51	NA	8	NA	"
	10/9/2002	9:43	NA	9	NA	"
	10/16/2002	10:27	NA	3	NA	"
	10/22/2002	10:39	NA	10	NA	"
	10/30/2002	8:45	NA	10	NA	"
	11/7/2002	13:15	NA	9	NA	"
	11/11/2002	14:00	14	36	2	"

BOE-C6-0130628

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-3B	11/27/2001	13:00	11	25.0	2,250	Initial Startup
	11/28/2001	13:15	NA	0.1	NA	Well Closed
	11/30/2001	14:20	NA	0.7	NA	"
	12/3/2001	17:10	NA	0.2	NA	"
	12/4/2001	10:15	NA	0.9	NA	"
	12/5/2001	16:30	NA	0.6	NA	"
	12/6/2001	8:30	NA	0.8	NA	"
	12/7/2001	7:30	NA	1.2	NA	"
	12/8/2001	16:00	NA	0.1	NA	"
	12/9/2001	13:00	NA	0.0	NA	"
	12/10/2001	16:00	NA	0.4	NA	"
	12/11/2001	11:00	NA	1.4	NA	"
	12/12/2001	19:15	8	29.5	1,900	Well Opened
	12/13/2001	11:15	8	29.0	1,675	"
	12/20/2001	15:10	17	39.0	1,345	"
	12/28/2001	11:00	15	23.0	220	"
	1/10/2002	15:00	NA	1.5	NA	Well Closed
	1/18/2002	18:00	NA	3.3	NA	"
	1/24/2002	15:10	NA	3.0	NA	"
	1/31/2002	15:48	7	32.0	390	Well Opened
	2/1/2002	10:00	10	23.0	220	"
	2/6/2002	13:00	7	17.0	230	"
	2/15/2002	11:00	5.7	19	320	"
	3/20/2002	14:00	NA	47	203	"
	3/29/2002	14:20	18	46	296	"
	3/30/2002	10:58	8.4	48	226	"
	3/31/2002	10:31	9	48	231	"
	4/1/2002	16:50	9.3	48	197	"
	4/2/2002	11:40	11.3	52	172	"
	4/4/2002	17:00	10.1	47	262	"
	4/5/2002	11:30	13.8	50	142	"
	4/6/2002	12:00	49	14.1	116	"
	4/7/2002	11:00	15.1	56	105	"
	4/8/2002	12:45	17.1	51	87	"
	4/9/2002	8:45	16.9	52	106	"
	4/10/2002	14:30	19.2	49	88	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	19	49	NA	"
	4/17/2002	15:20	23	43	156	"
	4/23/2002	15:51	26.3	50	NA	"
	5/3/2002	12:48	28	42	51	"
	5/9/2002	19:10	24	42	42	"
	5/23/2002	16:20	48	28.6	* 4.8	"
	6/13/2002	8:35	31.5	48	* 7.0	"
	6/20/2002	10:17	28.4	48	* 7.0	"
	6/27/2002	12:34	31.3	48	* 5.2	"
	7/3/2002	11:00	28	47	67	"
	7/9/2002	14:17	31	48	19	"
	7/15/2002	11:48	35	54	80	"
	7/23/2002	9:12	36.8	54	20	"

BOE-C6-0130629

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
	7/30/2002	13:35	NA	NA	NA	Well Closed
2-VEW-3B	8/7/2002	15:15	NA	NA	NA	"
CONTINUED	8/15/2002	15:30	NA	10	NA	"
	8/20/2002	11:28	NA	9	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	9	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	9	NA	"
	9/25/2002	7:02	12.2	30	24	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	10	NA	"
	10/16/2002	10:27	NA	NA	NA	Vent
	10/22/2002	10:39	NA	NA	NA	"
	10/30/2002	8:45	NA	NA	NA	"
	11/7/2002	13:15	NA	NA	NA	"
	11/11/2002	14:00	39	38	9	"

BOE-C6-0130630

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-4	11/27/2001	13:00	30	25	1,250	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	15	450	Well Opened
	1/10/2002	15:00	NA	1.8	NA	"
	1/18/2002	18:00	NA	3.8	NA	"
	1/24/2002	15:10	NA	2.3	NA	"
	1/31/2002	15:48	33	31	940	"
	2/1/2002	10:00	23	23.5	565	"
	2/6/2002	13:00	21	17	680	"
	2/15/2002	11:00	20.5	19	400	Well Closed
	3/20/2002	14:00	NA	41	17	"
	3/29/2002	14:20	59	45	60	Well Opened
	3/30/2002	10:58	51.5	48	167	"
	3/31/2002	10:31	55.5	47	235	"
	4/1/2002	16:50	51.5	48	270	"
	4/2/2002	11:40	56	50	257	"
	4/4/2002	17:00	55	46	276	"
	4/5/2002	11:30	58	48.5	264	"
	4/6/2002	12:00	56	48	232	"
	4/7/2002	11:00	54.5	49.5	223	"
	4/8/2002	12:45	59.5	47	232	"
	4/9/2002	8:45	58	50	272	"
	4/10/2002	14:30	55.5	47	234	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	48	61	NA	"
	4/17/2002	15:20	58.5	41	252	"
	4/23/2002	15:51	61.5	49	NA	"
	5/3/2002	12:48	57	41	209	"
	5/9/2002	19:10	48	43	179	"
	5/23/2002	16:20	56	47	* 17.2	"
	6/13/2002	8:35	58	46	* 13.8	"
	6/20/2002	10:17	54.5	48	* 15.0	"
	6/27/2002	12:34	61.5	47	* 12.2	"
	7/3/2002	11:00	54	46	79	"
	7/9/2002	14:17	59.5	48	64	"
	7/15/2002	11:48	63	52	72	"
	7/23/2002	9:12	70	53	39	"
	7/30/2002	13:35	NA	NA	NA	Well Closed
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	65	50	NA	"
	8/20/2002	11:28	78.5	58	119	"
	8/27/2002	9:40	82	57	37	"
	9/5/2002	10:45	82	57	37	"
	9/13/2002	12:45	81.5	58	62	"
	9/19/2002	13:20	75	56	34	"
	9/25/2002	7:02	67.5	51	36	"
	10/1/2002	15:51	64	50	41	"
	10/9/2002	9:43	65.5	50	49	"
	10/16/2002	10:27	NA	NA	NA	Vent
	10/22/2002	10:39	151	61	7	Well Opened
	10/30/2002	8:45	158	62	15	"
	11/7/2002	13:15	154	61	13	"
	11/11/2002	14:00	155	62	18	"

BOE-C6-0130631

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-5	11/27/2001	13:00	90	25	1,075	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	17	800	Well Opened
	1/10/2002	15:00	NA	2.8	NA	"
	1/18/2002	18:00	NA	3.4	NA	"
	1/24/2002	15:10	NA	2.5	NA	"
	1/31/2002	15:48	65	30	1,150	"
	2/1/2002	10:00	47	20	700	"
	2/6/2002	13:00	32	16	910	"
	2/15/2002	11:00	36	19	570	Well Closed
	3/20/2002	14:00	NA	43	75	"
	3/29/2002	14:20	81	39	76	"
	3/30/2002	10:58	80.5	41	99	Well Opened
	3/31/2002	10:31	80.5	41	102	"
	4/1/2002	16:50	80	41	107	"
	4/2/2002	11:40	86	43	91	"
	4/4/2002	17:00	83.5	38	104	"
	4/5/2002	11:30	86	42	80	"
	4/6/2002	12:00	85	41	69	"
	4/7/2002	11:00	94.5	41.5	63	"
	4/8/2002	12:45	87	40	61	"
	4/9/2002	8:45	87	42	78	"
	4/10/2002	14:30	85.5	40	69	"
	4/11/2002	19:35	NA	NA	NA	Well Closed
	4/12/2002	18:37	NA	11	NA	"
	4/17/2002	15:20	NA	6	NA	"
	4/23/2002	15:51	NA	13.5	NA	"
	5/3/2002	12:48	NA	7	NA	"
	5/9/2002	19:10	NA	14	NA	"
	5/23/2002	16:20	NA	15	NA	"
	6/13/2002	8:35	NA	15	NA	"
	6/20/2002	10:17	NA	15.5	NA	"
	6/27/2002	12:34	NA	14.5	NA	"
	7/3/2002	11:00	NA	15	NA	"
	7/9/2002	14:17	NA	15	NA	"
	7/15/2002	11:48	NA	16	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	12	NA	"
	8/20/2002	11:28	NA	11	NA	"
	8/27/2002	9:40	NA	12	NA	"
	9/5/2002	10:45	NA	NA	NA	Vent
	9/13/2002	12:45	NA	NA	NA	"
	9/19/2002	13:20	NA	NA	NA	"
	9/25/2002	7:02	79.5	29	3	"
	10/1/2002	15:51	NA	NA	NA	"
	10/9/2002	9:43	NA	NA	NA	"
	10/16/2002	10:27	NA	NA	NA	"
	10/22/2002	10:39	NA	NA	NA	"
	10/30/2002	8:45	NA	NA	NA	"
	11/7/2002	13:15	NA	NA	NA	"
	11/11/2002	14:00	83	40	3	"

BOE-C6-0130632

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-6	11/27/2001	13:00	52	25	>9,999	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	NA	15	625	Well Opened
	1/10/2002	15:00	NA	2.3	NA	Well Closed
	1/18/2002	18:00	NA	3.6	NA	"
	1/24/2002	15:10	NA	2.5	NA	"
	1/31/2002	15:48	40	30	3,130	Well Opened
	2/1/2002	10:00	27	20	1,500	"
	2/6/2002	13:00	21	16	1,530	"
	2/15/2002	11:00	25	19	945	Well Closed
	2/27/2002	10:30	68	35	520	"
	3/6/2002	9:00	81	33	433	"
	3/13/2002	14:35	81	34	335	"
	3/20/2002	10:45	62	30	280	"
	3/29/2002	10:00	56	28	241	Well Opened
	3/29/2002	14:20	85	46	246	"
	3/30/2002	10:58	78.5	44	263	"
	3/31/2002	10:31	87	42	262	"
	4/1/2002	16:50	81	43	245	"
	4/2/2002	11:40	86	45	208	"
	4/4/2002	17:00	87	40	222	"
	4/5/2002	11:30	98	43	209	"
	4/6/2002	12:00	94.5	42.5	172	"
	4/7/2002	11:00	93.5	43.5	168	"
	4/8/2002	12:45	96.5	43	165	"
	4/9/2002	8:45	95.5	44	208	"
	4/10/2002	14:30	87	42	165	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	104	44	NA	"
	4/17/2002	15:20	107	37	158	"
	4/23/2002	15:51	108	44	NA	"
	5/3/2002	12:48	98	37	110	"
	5/9/2002	19:10	83	39	105	"
	5/23/2002	16:20	88.5	44	8	"
	6/13/2002	8:35	89	45	10	"
	6/20/2002	10:17	84.5	44	8	"
	6/27/2002	12:34	86.5	43	7	"
	7/3/2002	11:00	81	43	40	"
	7/9/2002	14:17	92.5	44	25	"
	7/15/2002	11:48	95	48	55	"
	7/23/2002	9:12	106.5	48	18	"
	7/30/2002	13:35	NA	NA	NA	Well Closed
	8/7/2002	15:15	NA	NA	NA	Vent
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	NA	NA	"
	9/13/2002	12:45	156	52	19	Well Opened
	9/19/2002	13:20	144	53	18	"
	9/25/2002	7:02	130	46	14	"
	10/1/2002	15:51	129	45	21	"
	10/9/2002	9:43	133	45	16	"
	10/16/2002	10:27	189	62	10	"
	10/22/2002	10:39	155	55	11	"
	10/30/2002	8:45	154	57	14	"
	11/7/2002	13:15	142	57	13	"
	11/11/2002	14:00	80	35	15	"

BOE-C6-0130633

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-7A	11/27/2001	13:00	13	25	360	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	20	100	Well Opened
	1/10/2002	15:00	NA	1.4	NA	"
	1/18/2002	18:00	17	50	600	"
	1/24/2002	15:10	15	48	940	"
	1/31/2002	15:48	8	30	1,100	"
	2/1/2002	10:00	6	21	730	"
	2/6/2002	13:00	16	4.5	775	"
	2/15/2002	11:00	6	18	333	Well Closed
	3/20/2002	14:00	NA	53	17	"
	3/29/2002	14:20	11.6	41	25	Well Opened
	3/30/2002	10:58	12	44	39	"
	3/31/2002	10:31	13.6	43.5	54	"
	4/1/2002	16:50	14.1	43	73	"
	4/2/2002	11:40	13	46	73	"
	4/4/2002	17:00	11.8	41.5	81	"
	4/5/2002	11:30	15.4	45	59	"
	4/6/2002	12:00	14.4	44	51	"
	4/7/2002	11:00	14.4	45	51	"
	4/8/2002	12:45	14.4	45	47	"
	4/9/2002	8:45	13.7	45	55	"
	4/10/2002	14:30	13.3	44	53	"
	4/11/2002	19:35	NA	NA	NA	Well Closed
	4/12/2002	18:37	104	9	NA	"
	4/17/2002	15:20	107	5	NA	"
	4/23/2002	15:51	108	12	NA	"
	5/3/2002	12:48	98	6	NA	"
	5/9/2002	19:10	83	11	NA	"
	5/23/2002	16:20	NA	12	NA	"
	6/13/2002	8:35	NA	13	NA	"
	6/20/2002	10:17	NA	12	NA	"
	6/27/2002	12:34	NA	12	NA	"
	7/3/2002	11:00	NA	12	NA	"
	7/9/2002	14:17	NA	13	NA	"
	7/15/2002	11:48	NA	13	NA	"
	7/23/2002	9:12	NA	11.5	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	9	NA	"
	8/20/2002	11:28	NA	8	NA	"
	8/27/2002	9:40	NA	8	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	8	NA	"
	9/19/2002	13:20	NA	9	NA	"
	9/25/2002	7:02	11.8	29	4	"
	10/1/2002	15:51	NA	9	NA	"
	10/9/2002	9:43	NA	10	NA	"
	10/16/2002	10:27	NA	4	NA	"
	10/22/2002	10:39	NA	11	NA	"
	10/30/2002	8:45	NA	12	NA	"
	11/7/2002	13:15	NA	11	NA	"
	11/11/2002	14:00	14	36	6	"

BOE-C6-0130634

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-7B	11/27/2001	13:00	60	25.0	600	Initial Startup
	11/28/2001	13:15	NA	0.3	NA	Well Closed
	11/30/2001	14:20	NA	0.9	NA	"
	12/3/2001	17:10	NA	0.2	NA	"
	12/4/2001	10:15	NA	1.2	NA	"
	12/5/2001	16:30	NA	0.8	NA	"
	12/6/2001	8:30	NA	1.0	NA	"
	12/7/2001	7:30	NA	1.4	NA	"
	12/8/2001	16:00	NA	0.1	NA	"
	12/9/2001	13:00	NA	0.0	NA	"
	12/10/2001	16:00	NA	0.5	NA	"
	12/11/2001	11:00	NA	1.6	NA	"
	12/12/2001	19:15	75	27.0	5,450	Well Opened
	12/13/2001	11:15	85	29.0	4,380	"
	12/20/2001	15:10	95	34.0	>9,999	"
	12/28/2001	11:00	75	20.0	100	"
	1/3/2002	15:00	75	20.0	100	"
	1/10/2002	15:00	NA	1.9	NA	Well Closed
	1/18/2002	18:00	NA	3.5	NA	"
	1/24/2002	15:10	NA	2.4	NA	"
	1/31/2002	15:48	57	29.0	1,060	Well Opened
	2/1/2002	10:00	40	21.0	920	"
	2/6/2002	13:00	34	17.0	850	"
	2/15/2002	11:00	34	18	850	"
	2/27/2002	10:30	70	36	800	"
	3/6/2002	9:00	65	34	677	"
	3/13/2002	14:35	78	35	495	"
	3/20/2002	10:45	91	35	420	"
	3/29/2002	10:00	64	44	422	"
	3/29/2002	14:20	77.5	40	385	"
	3/30/2002	10:58	58.5	42	406	"
	3/31/2002	10:31	59	41.5	431	"
	4/1/2002	16:50	78	42	375	"
	4/2/2002	11:40	81	44	351	"
	4/4/2002	17:00	85	39.5	421	"
	4/5/2002	11:30	107	42.5	390	"
	4/6/2002	12:00	104	42	323	"
	4/7/2002	11:00	102	43	310	"
	4/8/2002	12:45	101	44	310	"
	4/9/2002	8:45	106	44	352	"
	4/10/2002	14:30	80	42	319	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	114	43	NA	"
	4/17/2002	15:20	114.5	36	305	"
	4/23/2002	15:51	109	44	NA	"
	5/3/2002	12:48	58	36.5	178	"
	5/9/2002	19:10	73	39	164	"
	5/23/2002	16:20	87.5	43	* 11	"
	6/13/2002	8:35	86.5	44	* 9.5	"
	6/20/2002	10:17	39.5	44	* 9.0	"
	6/27/2002	12:34	86.5	43	* 6.5	"
	7/3/2002	11:00	78	42	44	"
	7/9/2002	14:17	107	44	32	"
	7/15/2002	11:48	96	48	47	"
	7/23/2002	9:12	121	48	19	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	128	52	44	"
	8/15/2002	15:30	96	46	NA	"

BOE-C6-0130635

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
	8/20/2002	11:28	NA	10	NA	Well Closed
2-VEW-7B	8/27/2002	9:40	NA	10	NA	"
CONTINUED	9/5/2002	10:45	NA	10	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	11	NA	"
	9/25/2002	7:02	62.5	29	16.9	"
	10/1/2002	15:51	NA	11	NA	"
	10/9/2002	9:43	NA	12	NA	"
	10/16/2002	10:27	NA	NA	NA	Vent
	10/22/2002	10:39	151	51	8.2	Well Opened
	10/30/2002	8:45	147	54	24.2	"
	11/7/2002	13:15	195	54	23.5	"
	11/11/2002	14:00	95	34	24	"

BOE-C6-0130636

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-8A	11/27/2001	13:00	14	25	1,675	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	10	20	240	Well Opened
	1/10/2002	15:00	NA	2.5	NA	"
	1/18/2002	18:00	24	50	855	"
	1/24/2002	15:10	14	48	1,030	"
	1/31/2002	15:48	6	30	980	"
	2/1/2002	10:00	7	21	1,010	"
	2/6/2002	13:00	6	16	1,400	"
	2/15/2002	11:00	6.5	18	480	Well Closed
	3/20/2002	14:00	NA	55	24	"
	3/29/2002	14:20	7	43	59	Well Opened
	3/30/2002	10:58	7	43	76	"
	3/31/2002	10:31	9.8	43	81	"
	4/1/2002	16:50	9.4	45	79	"
	4/2/2002	11:40	9.5	46	117	"
	4/4/2002	17:00	8.8	42	130	"
	4/5/2002	11:30	11.4	45	78	"
	4/6/2002	12:00	10.8	44.5	63	"
	4/7/2002	11:00	10.4	44	59	"
	4/8/2002	12:45	11	45	58	"
	4/9/2002	8:45	10.1	47	69	"
	4/10/2002	14:30	9.7	44	69	"
	4/11/2002	19:35	NA	NA	NA	Well Closed
	4/12/2002	18:37	NA	11	NA	"
	4/17/2002	15:20	NA	6	NA	"
	4/23/2002	15:51	NA	13	NA	"
	5/3/2002	12:48	NA	1	NA	"
	5/9/2002	19:10	NA	2	NA	"
	5/23/2002	16:20	NA	14	NA	"
	6/13/2002	8:35	NA	15	NA	"
	6/20/2002	10:17	NA	15	NA	"
	6/27/2002	12:34	NA	14	NA	"
	7/3/2002	11:00	NA	15	NA	"
	7/9/2002	14:17	NA	14.5	NA	"
	7/15/2002	11:48	NA	15	NA	"
	7/23/2002	9:12	NA	15	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	12	NA	"
	8/20/2002	11:28	NA	11	NA	"
	8/27/2002	9:40	NA	11	NA	"
	9/5/2002	10:45	NA	11	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	12	NA	"
	9/25/2002	7:02	62.5	29	17	"
	10/1/2002	15:51	NA	12	NA	"
	10/9/2002	9:43	NA	12	NA	"
	10/16/2002	10:27	NA	6	NA	"
	10/22/2002	10:39	NA	13	NA	"
	10/30/2002	8:45	NA	13	NA	"
	11/7/2002	13:15	NA	12	NA	
	11/11/2002	14:00	21	37	5	

BOE-C6-0130637

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-8B	11/27/2001	13:00	56	30	3,750	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	50	20	990	Well Opened
	1/10/2002	15:00	64	21	2,750	"
	1/18/2002	18:00	NA	3.7	NA	Well Closed
	1/24/2002	15:10	NA	2.8	NA	"
	1/31/2002	15:48	46	29	1,300	Well Opened
	2/1/2002	10:00	30	21	1,370	"
	2/6/2002	13:00	22	16	790	"
	2/15/2002	11:00	22	19	1,830	"
	2/27/2002	10:30	76	44	1,185	"
	3/6/2002	9:00	54	42	930	"
	3/13/2002	14:35	90	42	715	"
	3/20/2002	10:45	103	41	510	"
	3/29/2002	10:00	62	44	472	"
	3/29/2002	14:20	60	42	500	"
	3/30/2002	10:58	62.5	44	712	"
	3/31/2002	10:31	60.5	44.5	724	"
	4/1/2002	16:50	60	43	740	"
	4/2/2002	11:40	64	46	664	"
	4/4/2002	17:00	68	41	660	"
	4/5/2002	11:30	64	43.5	704	"
	4/6/2002	12:00	61.5	43.5	668	"
	4/7/2002	11:00	63.5	45.5	681	"
	4/8/2002	12:45	66	44	669	"
	4/9/2002	8:45	65.5	45	787	"
	4/10/2002	14:30	65	43	719	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	41.8	26	NA	"
	4/17/2002	15:20	51.5	19.5	276	"
	4/23/2002	15:51	50.5	28.5	NA	"
	5/3/2002	12:48	31.1	22	281	"
	5/9/2002	19:10	23	21	362	"
	5/23/2002	16:20	38.4	29	* 39	"
	6/13/2002	8:35	25.2	30	* 20	"
	6/20/2002	10:17	40.9	30	* 25	"
	6/27/2002	12:34	28.6	29	* 17	"
	7/3/2002	11:00	18	28	121	"
	7/9/2002	14:17	65	29	83	"
	7/15/2002	11:48	40	30	133	"
	7/23/2002	9:12	51.5	31	117	"
	7/30/2002	13:35	151	55	86	"
	8/7/2002	15:15	121	51	69	"
	8/15/2002	15:30	93	46	NA	"
	8/20/2002	11:28	95	54	53	"
	8/27/2002	9:40	132	53	29	"
	9/5/2002	10:45	157	57	17	"
	9/13/2002	12:45	NA	NA	NA	Vent
	9/19/2002	13:20	102	50	33	Well Opened
	9/25/2002	7:02	78.5	46	30	"
	10/1/2002	15:51	98.5	46	45	"
	10/9/2002	9:43	141	46	35	"
	10/16/2002	10:27	NA	NA	NA	Vent
	10/22/2002	10:39	177	55	9	Well Opened
	10/30/2002	8:45	127	57	31	"
	11/7/2002	13:15	131	57	30	"
	11/11/2002	14:00	127	58	37	"

BOE-C6-0130638

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-9	11/27/2001	13:00	38	30	2,550	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	19	390	Well Opened
	1/10/2002	15:00	NA	3.2	NA	Well Closed
	1/18/2002	18:00	NA	4.8	NA	"
	1/24/2002	15:10	NA	4.2	NA	"
	1/31/2002	15:48	24	29	1,970	Well Opened
	2/1/2002	10:00	17	21	1,100	"
	2/6/2002	13:00	14	17	750	"
	2/15/2002	11:00	14	20	795	"
	2/27/2002	10:30	98	60	355	"
	3/6/2002	9:00	94	56	350	"
	3/13/2002	14:35	91	56	305	"
	3/20/2002	10:45	93	58	243	"
	3/29/2002	10:00	77	50	241	"
	3/29/2002	14:20	52.5	44	334	"
	3/30/2002	10:58	51	45	532	"
	3/31/2002	10:31	53	45	1,325	"
	4/1/2002	16:50	52	45	610	"
	4/2/2002	11:40	56	48	542	"
	4/4/2002	17:00	60	44	568	"
	4/5/2002	11:30	57.5	45.5	479	"
	4/6/2002	12:00	57	46	546	"
	4/7/2002	11:00	56	47	506	"
	4/8/2002	12:45	56.5	47	497	"
	4/9/2002	8:45	55	47	472	"
	4/10/2002	14:30	57	46	530	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	49.3	44	NA	"
	4/17/2002	15:20	52.5	38	283	"
	4/23/2002	15:51	47.1	44.5	NA	"
	5/3/2002	12:48	54	34	239	"
	5/9/2002	19:10	43	40	300	"
	5/23/2002	16:20	47.3	44	* 25	"
	6/13/2002	8:35	47.8	46	* 23	"
	6/20/2002	10:17	45.4	47	* 20	"
	6/27/2002	12:34	49.7	45	* 19	"
	7/3/2002	11:00	48	45	112	"
	7/9/2002	14:17	48.6	46	82	"
	7/15/2002	11:48	60	52	116	"
	7/23/2002	9:12	63	91	65	"
	7/30/2002	13:35	83.5	60	36	"
	8/7/2002	15:15	69.5	55	28	"
	8/15/2002	15:30	60	48	NA	"
	8/20/2002	11:28	NA	20	NA	Well Closed
	8/27/2002	9:40	NA	20	NA	"
	9/5/2002	10:45	NA	19	NA	"
	9/13/2002	12:45	NA	17	NA	"
	9/19/2002	13:20	NA	18	NA	"
	9/25/2002	7:02	42.9	28	16	"
	10/1/2002	15:51	NA	17	NA	"
	10/9/2002	9:43	NA	17	NA	"
	10/16/2002	10:27	NA	8	NA	"
	10/22/2002	10:39	NA	4	NA	"
	10/30/2002	8:45	1.3	4.5	3	"
	11/7/2002	13:15	NA	5	NA	"
	11/11/2002	14:00	NA	NA	3	"

BOE-C6-0130639

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-10A	11/27/2001	13:00	20	30	1,400	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	22	45	Well Opened
	1/10/2002	15:00	NA	2.3	NA	
	1/18/2002	18:00	33	48	2,750	"
	1/24/2002	15:10	45	45	1,890	"
	1/31/2002	15:48	18	28	1,450	"
	2/1/2002	10:00	13	20	1,350	"
	2/6/2002	13:00	11	17	1,250	Well Closed
	2/15/2002	11:00	12.5	19	1,085	Well Opened
	3/20/2002	14:00	NA	57	38	"
	3/29/2002	14:20	13	22	15	"
	3/30/2002	10:58	13	24	23	"
	3/31/2002	10:31	13	24	30	"
	4/1/2002	16:50	13.6	24	49	"
	4/2/2002	11:40	10	23	60	"
	4/4/2002	17:00	9.8	18	82	"
	4/5/2002	11:30	11.9	21	50	"
	4/6/2002	12:00	10.5	21.5	56	"
	4/7/2002	11:00	10.9	22	57	"
	4/8/2002	12:45	10.9	22	147	"
	4/9/2002	8:45	10.5	21	74	"
	4/10/2002	14:30	12.4	22	65	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	11.8	21	NA	"
	4/17/2002	15:20	11.9	16	68	"
	4/23/2002	15:51	10.5	23.5	NA	"
	5/3/2002	12:48	11.4	16	49	"
	5/9/2002	19:10	NA	12	NA	"
	5/23/2002	16:20	24.8	35	* 6.4	"
	6/13/2002	8:35	26.4	36	* 10	"
	6/20/2002	10:17	24.4	36	* 11	"
	6/27/2002	12:34	27.3	35	* 8.0	"
	7/3/2002	11:00	25	32	59	"
	7/9/2002	14:17	27	36	35	"
	7/15/2002	11:48	32	37	64	"
	7/23/2002	9:12	33	37	23	"
	7/30/2002	13:35	NA	NA	NA	Well Closed
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	12	NA	"
	8/20/2002	11:28	NA	12	NA	"
	8/27/2002	9:40	NA	12	NA	"
	9/5/2002	10:45	NA	12	NA	"
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	10	NA	"
	9/25/2002	7:02	26.9	29	3	"
	10/1/2002	15:51	NA	10	NA	"
	10/9/2002	9:43	NA	10	NA	"
	10/16/2002	10:27	NA	8	NA	"
	10/22/2002	10:39	NA	3	NA	"
	10/30/2002	8:45	NA	4	NA	"
	11/7/2002	13:15	NA	5	NA	"
	11/11/2002	14:00	NA	NA	NA	"

BOE-C6-0130640

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-10B	11/27/2001	13:00	45	30	1,620	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	32	18	700	Well Opened
	1/10/2002	15:00	NA	4.2	NA	Well Closed
	1/18/2002	18:00	NA	4.4	NA	"
	1/24/2002	15:10	NA	4	NA	"
	1/31/2002	15:48	26	28	6,000	Well Opened
	2/1/2002	10:00	15	21	3,710	"
	2/6/2002	13:00	11	17	3,000	"
	2/15/2002	11:00	14	19	2,580	"
	2/27/2002	10:30	43	37	1,400	"
	3/6/2002	9:00	39	35	1,080	"
	3/13/2002	14:35	39	32	788	"
	3/20/2002	10:45	49	29	690	"
	3/29/2002	10:00	36	29	488	"
	3/29/2002	14:20	15	25	350	"
	3/30/2002	10:58	15	27	533	"
	3/31/2002	10:31	16	28	670	"
	4/1/2002	16:50	15	28	690	"
	4/2/2002	11:40	11	27	287	"
	4/4/2002	17:00	10.9	21.5	297	"
	4/5/2002	11:30	12.1	26.5	364	"
	4/6/2002	12:00	10.6	26	362	"
	4/7/2002	11:00	12.1	27	324	"
	4/8/2002	12:45	11	28	327	"
	4/9/2002	8:45	11.1	26	383	"
	4/10/2002	14:30	12.6	26	370	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	52.5	26.5	NA	"
	4/17/2002	15:20	65.5	39	780	"
	4/23/2002	15:51	67.5	47	NA	"
	5/3/2002	12:48	74	37	447	"
	5/9/2002	19:10	63	40	345	"
	5/23/2002	16:20	69	44	* 36	"
	6/13/2002	8:35	69.5	45	* 42	"
	6/20/2002	10:17	65	46	* 35	"
	6/27/2002	12:34	70.5	44	* 27	"
	7/3/2002	11:00	65	44	148	"
	7/9/2002	14:17	71	45	133	"
	7/15/2002	11:48	82	50	130	"
	7/23/2002	9:12	84.5	50	85	"
	7/30/2002	13:35	116.5	58	76	"
	8/7/2002	15:15	105	54	76	"
	8/15/2002	15:30	81	48	NA	"
	8/20/2002	11:28	100	57	158	"
	8/27/2002	9:40	102	55	52	"
	9/5/2002	10:45	111	60	46	"
	9/13/2002	12:45	110	56	79	"
	9/19/2002	13:20	102.5	54	46	"
	9/25/2002	7:02	93.5	49	35	"
	10/1/2002	15:51	94.5	48	47	"
	10/9/2002	9:43	91.5	49	53	"
	10/16/2002	10:27	60.5	33	47	"
	10/22/2002	10:39	NA	4	NA	"
	10/30/2002	8:45	1.6	4.5	0.3	"
	11/7/2002	13:15	NA	5	NA	"
	11/11/2002	14:00	NA	NA	0.6	"

BOE-C6-0130641

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-11A	11/27/2001	13:00	27	25	1,700	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	21	110	Well Opened
	1/10/2002	15:00	NA	22	725	"
	1/18/2002	18:00	52	47	620	"
	1/24/2002	15:10	79	43	350	"
	1/31/2002	15:48	39	29	280	"
	2/1/2002	10:00	28	20	175	"
	2/6/2002	13:00	24	16	100	"
	2/15/2002	11:00	27	19	90	Well Closed
	3/20/2002	14:00	NA	46	20	"
	3/29/2002	14:20	24	8	NA	"
	3/30/2002	10:58	1	9	NA	"
	3/31/2002	10:31	0.4	10	NA	"
	4/1/2002	16:50	NA	9	NA	"
	4/2/2002	11:40	NA	10	NA	"
	4/4/2002	17:00	NA	7	NA	"
	4/5/2002	11:30	NA	9	NA	"
	4/6/2002	12:00	NA	9	NA	"
	4/7/2002	11:00	NA	9.5	NA	"
	4/8/2002	12:45	NA	10	NA	"
	4/9/2002	8:45	NA	10	NA	"
	4/10/2002	14:30	NA	10	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	8	NA	"
	4/17/2002	15:20	NA	5	NA	"
	4/23/2002	15:51	NA	9.5	NA	"
	5/3/2002	12:48	NA	4	NA	"
	5/9/2002	19:10	NA	8	NA	"
	5/23/2002	16:20	NA	10	NA	"
	6/13/2002	8:35	NA	10	NA	"
	6/20/2002	10:17	NA	10	NA	"
	6/27/2002	12:34	NA	9	NA	"
	7/3/2002	11:00	NA	10	NA	"
	7/9/2002	14:17	NA	8.5	NA	"
	7/15/2002	11:48	NA	8	NA	"
	7/23/2002	9:12	NA	7	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	8	NA	"
	8/20/2002	11:28	NA	5	NA	"
	8/27/2002	9:40	NA	7	NA	"
	9/5/2002	10:45	NA	8	NA	"
	9/13/2002	12:45	NA	6	NA	"
	9/19/2002	13:20	NA	6	NA	"
	9/25/2002	7:02	56	27	2	"
	10/1/2002	15:51	NA	5	NA	"
	10/9/2002	9:43	NA	5	NA	"
	10/16/2002	10:27	NA	2	NA	"
	10/22/2002	10:39	NA	0	NA	"
	10/30/2002	8:45	NA	1.4	NA	"
	11/7/2002	13:15	NA	2	NA	"
	11/11/2002	14:00	NA	NA	NA	"

BOE-C6-0130642

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-11B	11/27/2001	13:00	19	30.0	1,040	Initial Startup
	11/28/2001	13:15	NA	27.5	3,100	Well Opened
	11/30/2001	14:20	NA	27.0	NA	"
	12/3/2001	17:10	NA	26.5	NA	"
	12/4/2001	10:15	NA	27.5	1,510	"
	12/5/2001	16:30	NA	29.0	3,200	"
	12/6/2001	8:30	NA	28.8	3,015	"
	12/7/2001	7:30	NA	29.0	3,600	"
	12/8/2001	16:00	NA	29.0	3,100	"
	12/9/2001	13:00	NA	27.0	NA	"
	12/10/2001	16:00	NA	28.5	4,700	"
	12/11/2001	11:00	NA	30.0	4,100	Well Closed
	12/12/2001	19:15	NA	2.1	NA	"
	12/13/2001	11:15	NA	0.9	NA	"
	12/20/2001	15:10	NA	1.7	NA	"
	12/28/2001	11:00	15	22.0	520	Well Opened
	1/3/2002	15:00	15	22.0	520	"
	1/10/2002	15:00	NA	4.0	NA	"
	1/18/2002	18:00	NA	4.8	NA	"
	1/24/2002	15:10	NA	4.5	NA	"
	1/31/2002	15:48	12	29.0	850	"
	2/1/2002	10:00	6	21.0	590	"
	2/6/2002	13:00	5	16.0	340	"
	2/15/2002	11:00	5.5	19	415	Well Closed
	3/20/2002	14:00	NA	53	303	"
	3/29/2002	14:20	18	39	586	Well Opened
	3/30/2002	10:58	16	41	531	"
	3/31/2002	10:31	17.5	42	1,651	"
	4/1/2002	16:50	17	41	565	"
	4/2/2002	11:40	17	44	515	"
	4/4/2002	17:00	19.6	38.5	536	"
	4/5/2002	11:30	18.4	42	484	"
	4/6/2002	12:00	18.6	42.5	464	"
	4/7/2002	11:00	16.5	43.5	461	"
	4/8/2002	12:45	18.4	44	474	"
	4/9/2002	8:45	17	43	471	"
	4/10/2002	14:30	17	42	463	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	23.7	47	NA	"
	4/17/2002	15:20	28.4	41	465	"
	4/23/2002	15:51	19.7	47	NA	"
	5/3/2002	12:48	25.3	36.5	NA	"
	5/9/2002	19:10	15	41	383	"
	5/23/2002	16:20	16.6	45	* 41	"
	6/13/2002	8:35	15.7	46	* 35	"
	6/20/2002	10:17	15.3	47	* 29	"
	6/27/2002	12:34	16.7	45	* 28	"
	7/3/2002	11:00	16	45	178	"
	7/9/2002	14:17	16.1	46	129	"

BOE-C6-0130643

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
	7/15/2002	11:48	21	52	202	Well Opened
2-VEW-11B	7/23/2002	9:12	23.5	52	97	"
CONTINUED	7/30/2002	13:35	29.5	60	92	"
	8/7/2002	15:15	30	57	87	"
	8/15/2002	15:30	20	49	NA	"
	8/20/2002	11:28	25	60	132	"
	8/27/2002	9:40	27	58	51	"
	9/5/2002	10:45	28	63	59	"
	9/13/2002	12:45	27.7	58	69	"
	9/19/2002	13:20	27.3	56	43	"
	9/25/2002	7:02	27.3	51	88	"
	10/1/2002	15:51	26.3	50	47	"
	10/9/2002	9:43	28.7	50	40	"
	10/16/2002	10:27	12	33	53	"
	10/22/2002	10:39	NA	2	NA	"
	10/30/2002	8:45	NA	3.6	15	"
	11/7/2002	13:15	NA	4	NA	"
	11/11/2002	14:00	NA	NA	9	"

BOE-C6-0130644

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-12	11/27/2001	13:00	82	30	2,500	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	75	19	390	Well Opened
	1/10/2002	15:00	NA	3.4	NA	Well Closed
	1/18/2002	18:00	NA	5.5	NA	"
	1/24/2002	15:10	NA	4.8	NA	"
	1/31/2002	15:48	75	28	815	Well Opened
	2/1/2002	10:00	49	20	540	"
	2/6/2002	13:00	39	17	325	"
	2/15/2002	11:00	44	19	350	Well Closed
	3/20/2002	14:00	NA	40	61	"
	3/29/2002	14:20	117	41	67	Well Opened
	3/30/2002	10:58	120	42	92	"
	3/31/2002	10:31	121	43	539	"
	4/1/2002	16:50	121	43	154	"
	4/2/2002	11:40	125	45	145	"
	4/4/2002	17:00	124	41	180	"
	4/5/2002	11:30	124	42.5	108	"
	4/6/2002	12:00	121	43.5	110	"
	4/7/2002	11:00	125	44.5	101	"
	4/8/2002	12:45	120	44	100	"
	4/9/2002	8:45	122	44	88	"
	4/10/2002	14:30	125	43	132	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	122	43	NA	"
	4/17/2002	15:20	117	38	55	"
	4/23/2002	15:51	117	44	NA	"
	5/3/2002	12:48	119	34	36	"
	5/9/2002	19:10	107	37	35	"
	5/23/2002	16:20	113	41.5	* 2.0	"
	6/13/2002	8:35	121	43	* 7.0	"
	6/20/2002	10:17	115	44	* 7.0	"
	6/27/2002	12:34	120	42	* 6.8	"
	7/3/2002	11:00	116	42	35	"
	7/9/2002	14:17	117	46	11	"
	7/15/2002	11:48	NA	15	NA	"
	7/23/2002	9:12	NA	16	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	16	NA	"
	8/20/2002	11:28	NA	15	NA	"
	8/27/2002	9:40	NA	17	NA	"
	9/5/2002	10:45	NA	14	NA	"
	9/13/2002	12:45	NA	12	NA	"
	9/19/2002	13:20	NA	12	NA	"
	9/25/2002	7:02	79.5	28	3	"
	10/1/2002	15:51	NA	12	NA	"
	10/9/2002	9:43	NA	12	NA	"
	10/16/2002	10:27	98	32	6	"
	10/22/2002	10:39	NA	NA	NA	"
	10/30/2002	8:45	NA	3.4	NA	"
	11/7/2002	13:15	NA	4	NA	"
	11/11/2002	14:00	NA	NA	NA	"

BOE-C6-0130645

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-13A	11/27/2001	13:00	17	25	1,700	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	10	23	95	Well Opened
	1/10/2002	15:00	12	32	380	"
	1/18/2002	18:00	22	48	375	"
	1/24/2002	15:10	45	44	420	"
	1/31/2002	15:48	23	29	500	"
	2/1/2002	10:00	18	20	390	"
	2/6/2002	13:00	16	17	375	"
	2/15/2002	11:00	15	19	189	"
	3/20/2002	14:00	NA	47	161	"
	3/29/2002	14:20	1	6.5	NA	Well Closed
	3/30/2002	10:58	0.3	7.5	NA	"
	3/31/2002	10:31	0.7	8	NA	"
	4/1/2002	16:50	NA	9	NA	"
	4/2/2002	11:40	NA	10	NA	"
	4/4/2002	17:00	NA	6	NA	"
	4/5/2002	11:30	NA	8	NA	"
	4/6/2002	12:00	NA	8	NA	"
	4/7/2002	11:00	NA	9	NA	"
	4/8/2002	12:45	NA	10	NA	"
	4/9/2002	8:45	NA	10	NA	"
	4/10/2002	14:30	NA	9	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	7	NA	"
	4/17/2002	15:20	NA	4.5	NA	"
	4/23/2002	15:51	NA	10	NA	"
	5/3/2002	12:48	NA	5	NA	"
	5/9/2002	19:10	NA	9	NA	"
	5/23/2002	16:20	NA	11	NA	"
	6/13/2002	8:35	NA	11	NA	"
	6/20/2002	10:17	NA	11	NA	"
	6/27/2002	12:34	NA	9	NA	"
	7/3/2002	11:00	NA	8	NA	"
	7/9/2002	14:17	NA	8	NA	"
	7/15/2002	11:48	NA	7	NA	"
	7/23/2002	9:12	NA	6	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	6	NA	"
	8/20/2002	11:28	NA	6	NA	"
	8/27/2002	9:40	NA	6	NA	"
	9/5/2002	10:45	NA	4	NA	"
	9/13/2002	12:45	NA	4	NA	"
	9/19/2002	13:20	NA	4	NA	"
	9/25/2002	7:02	54.5	28	3	"
	10/1/2002	15:51	NA	3	NA	"
	10/9/2002	9:43	NA	3	NA	"
	10/16/2002	10:27	61	32	9	"
	10/22/2002	10:39	NA	0	NA	"
	10/30/2002	8:45	NA	1.1	NA	"
	11/7/2002	13:15	NA	2.5	NA	
	11/11/2002	14:00	NA	NA	NA	

BOE-C6-0130646

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-13B	11/27/2001	13:00	40	25	1,850	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	35	21	990	Well Opened
	1/10/2002	15:00	NA	5	NA	"
	1/18/2002	18:00	NA	4.7	NA	"
	1/24/2002	15:10	NA	5.1	NA	"
	1/31/2002	15:48	22	29	3,550	"
	2/1/2002	10:00	12	20	2,500	"
	2/6/2002	13:00	12	17	1,900	"
	2/15/2002	11:00	9.6	19	1,590	Well Closed
	3/20/2002	14:00	NA	53	303	"
	3/29/2002	14:20	6	24.5	170	Well Opened
	3/30/2002	10:58	8	26	289	"
	3/31/2002	10:31	5.6	26	327	"
	4/1/2002	16:50	5.8	27	291	"
	4/2/2002	11:40	7.6	30	621	"
	4/4/2002	17:00	10	23	632	"
	4/5/2002	11:30	8.6	28	605	"
	4/6/2002	12:00	8.5	28	626	"
	4/7/2002	11:00	8	28.5	582	"
	4/8/2002	12:45	7.5	29	794	"
	4/9/2002	8:45	8	29	697	"
	4/10/2002	14:30	8.3	26	623	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	31.1	47	NA	"
	4/17/2002	15:20	38.2	40.5	567	"
	4/23/2002	15:51	27.5	47	NA	"
	5/3/2002	12:48	33.5	37.5	388	"
	5/9/2002	19:10	27	41	340	"
	5/23/2002	16:20	32.4	45	* 25	"
	6/13/2002	8:35	38	45.5	* 42	"
	6/20/2002	10:17	38	46.5	* 25	"
	6/27/2002	12:34	44.4	45.5	* 14	"
	7/3/2002	11:00	44	44	85	"
	7/9/2002	14:17	46.6	46	78	"
	7/15/2002	11:48	59	51	76	"
	7/23/2002	9:12	63.5	51	47	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	77.5	56	73	"
	8/15/2002	15:30	61	48	NA	"
	8/20/2002	11:28	72	58	75	"
	8/27/2002	9:40	74	56	28	"
	9/5/2002	10:45	NA	16	NA	Well Closed
	9/13/2002	12:45	NA	15	NA	"
	9/19/2002	13:20	NA	16	NA	"
	9/25/2002	7:02	33.6	28	6	"
	10/1/2002	15:51	NA	16	NA	"
	10/9/2002	9:43	NA	16	NA	"
	10/16/2002	10:27	34	33	14	"
	10/22/2002	10:39	NA	2	NA	"
	10/30/2002	8:45	NA	3.7	NA	"
	11/7/2002	13:15	NA	4.5	NA	
	11/11/2002	14:00	NA	NA	NA	

BOE-C6-0130647

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-14A	11/27/2001	13:00	18	25	1,300	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	19	23	390	Well Opened
	1/10/2002	15:00	NA	22	700	"
	1/18/2002	18:00	40	48	520	"
	1/24/2002	15:10	75	42	415	"
	1/31/2002	15:48	52	28	140	"
	2/1/2002	10:00	43	20	140	"
	2/6/2002	13:00	44	17	102	"
	2/15/2002	11:00	46	18	50	"
	3/20/2002	14:00	NA	42	58	"
	3/29/2002	14:20	18	44	NA	Well Closed
	3/30/2002	10:58	0.3	6	NA	"
	3/31/2002	10:31	0.1	7	NA	"
	4/1/2002	16:50	NA	7	NA	"
	4/2/2002	11:40	NA	8	NA	"
	4/4/2002	17:00	NA	6.5	NA	"
	4/5/2002	11:30	NA	9	NA	"
	4/6/2002	12:00	NA	9	NA	"
	4/7/2002	11:00	NA	9.5	NA	"
	4/8/2002	12:45	NA	10.5	NA	"
	4/9/2002	8:45	NA	10	NA	"
	4/10/2002	14:30	NA	10	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	20	20	NA	"
	4/17/2002	15:20	33	16	27	"
	4/23/2002	15:51	24	22	NA	"
	5/3/2002	12:48	26.6	14	23	"
	5/9/2002	19:10	NA	8	NA	"
	5/23/2002	16:20	NA	9	NA	"
	6/13/2002	8:35	NA	9	NA	"
	6/20/2002	10:17	NA	9	NA	"
	6/27/2002	12:34	NA	8.5	NA	"
	7/3/2002	11:00	NA	9	NA	"
	7/9/2002	14:17	NA	8.5	NA	"
	7/15/2002	11:48	NA	8	NA	"
	7/23/2002	9:12	NA	7	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	6	NA	"
	8/20/2002	11:28	NA	7	NA	"
	8/27/2002	9:40	NA	6	NA	"
	9/5/2002	10:45	NA	6	NA	"
	9/13/2002	12:45	NA	5	NA	"
	9/19/2002	13:20	NA	5	NA	"
	9/25/2002	7:02	47.4	26	2	"
	10/1/2002	15:51	NA	4	NA	"
	10/9/2002	9:43	NA	5	NA	"
	10/16/2002	10:27	63.5	30	2.3	"
	10/22/2002	10:39	NA	0	NA	"
	10/30/2002	8:45	NA	1.4	NA	"
	11/7/2002	13:15	NA	2	NA	
	11/11/2002	14:00	NA	NA	NA	

BOE-C6-0130648

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-14B	11/27/2001	13:00	33	25.0	1,750	Initial Startup
	11/28/2001	13:15	NA	27.5	3,000	Well Opened
	11/30/2001	14:20	NA	27.0	NA	"
	12/3/2001	17:10	NA	26.0	NA	"
	12/4/2001	10:15	NA	28.0	960	"
	12/5/2001	16:30	NA	28.0	2,400	"
	12/6/2001	8:30	NA	28.2	2,930	"
	12/7/2001	7:30	NA	29.5	3,875	"
	12/8/2001	16:00	NA	29.0	2,650	"
	12/9/2001	13:00	NA	24.0	NA	"
	12/10/2001	16:00	NA	28.0	4,075	"
	12/11/2001	11:00	NA	30.0	3,850	Well Closed
	12/12/2001	19:15	NA	1.9	NA	"
	12/13/2001	11:15	NA	0.8	NA	"
	12/20/2001	15:10	NA	1.6	NA	"
	12/28/2001	11:00	40	21.0	830	Well Opened
	1/3/2002	15:00	40	21.0	830	"
	1/10/2002	15:00	NA	4.2	NA	"
	1/18/2002	18:00	NA	5.9	NA	"
	1/24/2002	15:10	NA	5.2	NA	"
	1/31/2002	15:48	21	28.0	1,015	"
	2/1/2002	10:00	16	20.0	765	"
	2/6/2002	13:00	NA	17.0	600	"
	2/15/2002	11:00	13	18	520	Well Closed
	3/20/2002	14:00	NA	47	79	"
	3/29/2002	14:20	24.5	27	163	Well Opened
	3/30/2002	10:58	16.7	28.5	94	"
	3/31/2002	10:31	17	29	191	"
	4/1/2002	16:50	16	29	208	"
	4/2/2002	11:40	16	30	190	"
	4/4/2002	17:00	16.4	29.5	240	"
	4/5/2002	11:30	17.3	28.5	206	"
	4/6/2002	12:00	16.9	29	200	"
	4/7/2002	11:00	17.6	29.5	191	"
	4/8/2002	12:45	17.8	30.5	189	"
	4/9/2002	8:45	16.7	29	207	"
	4/10/2002	14:30	17.6	28	210	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	11	26	NA	"
	4/17/2002	15:20	11.3	20	210	"
	4/23/2002	15:51	10.5	28	NA	"
	5/3/2002	12:48	10.9	16	129	"
	5/9/2002	19:10	11	23	58	"
	5/23/2002	16:20	10.8	9	NA	"
	6/13/2002	8:35	11	26	* 5.2	"
	6/20/2002	10:17	10.4	27	*7.0	"
	6/27/2002	12:34	12.2	25.5	* 4.0	"
	7/3/2002	11:00	11	25	32	"
	7/9/2002	14:17	11.5	26	11	"

BOE-C6-0130649

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
	7/15/2002	11:48	NA	16	NA	Well Closed
2-VEW-14B	7/23/2002	9:12	NA	16	NA	"
CONTINUED	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	15	NA	"
	8/20/2002	11:28	NA	16	NA	"
	8/27/2002	9:40	NA	16	NA	"
	9/5/2002	10:45	NA	14	NA	"
	9/13/2002	12:45	NA	13	NA	"
	9/19/2002	13:20	NA	13	NA	"
	9/25/2002	7:02	17.7	28	4	"
	10/1/2002	15:51	NA	12	NA	"
	10/9/2002	9:43	NA	13	NA	"
	10/16/2002	10:27	14.7	24	1.7	"
	10/22/2002	10:39	NA	2	NA	"
	10/30/2002	8:45	NA	2.9	NA	"
	11/7/2002	13:15	NA	4	NA	"
	11/11/2002	14:00	NA	NA	NA	"

BOE-C6-0130650

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-15A	11/27/2001	13:00	41	30	1,170	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	23	18	67	Well Opened
	1/10/2002	15:00	NA	1.9	NA	"
	1/18/2002	18:00	61	47	810	"
	1/24/2002	15:10	83	43	585	"
	1/31/2002	15:48	37	28	500	"
	2/1/2002	10:00	27	20	300	"
	2/6/2002	13:00	23	16	290	"
	2/15/2002	11:00	29	18	150	"
	3/29/2002	14:20	1	5	NA	Well Closed
	3/30/2002	10:58	0.5	6	NA	"
	3/31/2002	10:31	4	6	NA	"
	4/1/2002	16:50	NA	7	NA	"
	4/2/2002	11:40	NA	8	NA	"
	4/4/2002	17:00	NA	4	NA	"
	4/5/2002	11:30	NA	6	NA	"
	4/6/2002	12:00	NA	6.5	NA	"
	4/7/2002	11:00	NA	7	NA	"
	4/8/2002	12:45	NA	8	NA	"
	4/9/2002	8:45	NA	8	NA	"
	4/10/2002	14:30	NA	7	NA	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	NA	6	NA	"
	4/17/2002	15:20	NA	3.5	NA	"
	4/23/2002	15:51	NA	7	NA	"
	5/3/2002	12:48	NA	3	NA	"
	5/9/2002	19:10	NA	6	NA	"
	5/23/2002	16:20	NA	7	NA	"
	6/13/2002	8:35	NA	7	NA	"
	6/20/2002	10:17	NA	7	NA	"
	6/27/2002	12:34	NA	7	NA	"
	7/3/2002	11:00	NA	7	NA	"
	7/9/2002	14:17	NA	7	NA	"
	7/15/2002	11:48	NA	7	NA	"
	7/23/2002	9:12	NA	6	NA	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	6	NA	"
	8/20/2002	11:28	NA	7	NA	"
	8/27/2002	9:40	NA	6	NA	"
	9/5/2002	10:45	NA	6	NA	"
	9/13/2002	12:45	NA	6	NA	"
	9/19/2002	13:20	NA	5	NA	"
	9/25/2002	7:02	62	28	55	"
	10/1/2002	15:51	NA	4	NA	"
	10/9/2002	9:43	NA	5	NA	"
	10/16/2002	10:27	83	31	3	"
	10/22/2002	10:39	NA	0	NA	"
	10/30/2002	8:45	NA	1.1	NA	"
	11/7/2002	13:15	NA	3	NA	"
	11/11/2002	14:00	NA	NA	NA	"

BOE-C6-0130651

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-15B	11/27/2001	13:00	22	25	1,120	Well Closed 11/28/01-1/2/02
	1/3/2002	15:00	20	21	575	Well Opened
	1/10/2002	15:00	23	22	2,100	"
	1/18/2002	18:00	61	47	810	"
	1/24/2002	15:10	NA	5.1	NA	"
	1/31/2002	15:48	10	28	1,400	"
	2/1/2002	10:00	7	21	925	"
	2/6/2002	13:00	6	16	765	"
	2/15/2002	11:00	6	18	665	Well Closed
	3/20/2002	14:00	NA	51	113	"
	3/29/2002	14:20	19	39	300	Well Opened
	3/30/2002	10:58	18	41	414	"
	3/31/2002	10:31	18	41	412	"
	4/1/2002	16:50	16	29	208	"
	4/2/2002	11:40	18	44	360	"
	4/4/2002	17:00	18.8	39	385	"
	4/5/2002	11:30	20.5	40.5	315	"
	4/6/2002	12:00	18.5	42	311	"
	4/7/2002	11:00	17.6	43	276	"
	4/8/2002	12:45	20	44	289	"
	4/9/2002	8:45	18.7	44	284	"
	4/10/2002	14:30	18.2	42	277	"
	4/11/2002	19:35	NA	NA	NA	"
	4/12/2002	18:37	18.4	48	NA	"
	4/17/2002	15:20	24.5	41	254	"
	4/23/2002	15:51	18	48	NA	"
	5/3/2002	12:48	20.3	37	148	"
	5/9/2002	19:10	18	40	169	"
	5/23/2002	16:20	18.6	45	* 13	"
	6/13/2002	8:35	21.7	47	* 14	"
	6/20/2002	10:17	19	46	* 18	"
	6/27/2002	12:34	21.2	45	* 11	"
	7/3/2002	11:00	29	45	72	"
	7/9/2002	14:17	26	47	55	"
	7/15/2002	11:48	30	51	81	"
	7/23/2002	9:12	33	51	49	"
	7/30/2002	13:35	NA	NA	NA	"
	8/7/2002	15:15	37.5	56	80	"
	8/15/2002	15:30	30	48	NA	"
	8/20/2002	11:28	36	59	97	"
	8/27/2002	9:40	45	57	34	"
	9/5/2002	10:45	45	61	29	"
	9/13/2002	12:45	42.5	58	52	"
	9/19/2002	13:20	43.1	54	32	"
	9/25/2002	7:02	36.3	51	51	"
	10/1/2002	15:51	35.4	50	48	"
	10/9/2002	9:43	40.2	49	43	"
	10/16/2002	10:27	18	32	37	"
	10/22/2002	10:39	NA	1	NA	Well Closed
	10/30/2002	8:45	NA	2.9	1	"
	11/7/2002	13:15	NA	3.5	NA	"
	11/11/2002	14:00	NA	NA	16	"

BOE-C6-0130652

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-16A	5/9/2002	19:10	10	41	13	Well Opened
	5/23/2002	16:20	NA	12.5	NA	Well Closed
	6/13/2002	8:35	NA	16	NA	"
	6/20/2002	10:17	NA	16	NA	"
	6/27/2002	12:34	NA	12	NA	"
	7/3/2002	11:00	NA	12	NA	"
	7/9/2002	14:17	NA	16	NA	"
	7/15/2002	11:48	NA	13	NA	"
	7/23/2002	9:12	NA	12	NA	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	9	NA	Well Closed
	9/13/2002	12:45	NA	8	NA	"
	9/19/2002	13:20	NA	8	NA	"
	9/25/2002	7:02	NA	NA	NA	Piping disconnected
	10/1/2002	15:51	NA	12	NA	Well Closed
	10/9/2002	9:43	NA	9	NA	"
	10/16/2002	10:27	NA	4	NA	"
	10/22/2002	10:39	NA	5	NA	"
	10/30/2002	8:45	NA	6	NA	"
	11/7/2002	13:15	NA	6	NA	"
	11/11/2002	14:00	NA	NA	NA	"
2-VEW-16B	5/9/2002	19:10	45	30	46	Well Opened
	5/23/2002	16:20	51.5	33	* 4.7	"
	6/13/2002	8:35	54	36	* 8.0	"
	6/20/2002	10:17	50	38	* 7.0	"
	6/27/2002	12:34	50	32.5	* 8.2	"
	7/3/2002	11:00	52	32	37	"
	7/9/2002	14:17	47	37	15	"
	7/15/2002	11:48	60	28	49	"
	7/23/2002	9:12	60.5	34	29	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	12	NA	Well Closed
	9/13/2002	12:45	NA	10	NA	"
	9/19/2002	13:20	NA	12	NA	"
	9/25/2002	7:02	NA	NA	NA	Piping disconnected
	10/1/2002	15:51	NA	12	NA	Well Closed
	10/9/2002	9:43	NA	12	NA	"
	10/16/2002	10:27	NA	6	NA	"
	10/22/2002	10:39	NA	9	NA	"
	10/30/2002	8:45	NA	9	NA	"
	11/7/2002	13:15	NA	9	NA	
	11/11/2002	14:00	NA	NA	NA	

BOE-C6-0130653

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-17A	5/9/2002	19:10	15	23	2	Well Opened
	5/23/2002	16:20	NA	6	NA	Well Closed
	6/13/2002	8:35	NA	6.5	NA	"
	6/20/2002	10:17	NA	6.5	NA	"
	6/27/2002	12:34	NA	6	NA	"
	7/3/2002	11:00	NA	6	NA	"
	7/9/2002	14:17	NA	6	NA	"
	7/15/2002	11:48	NA	7	NA	"
	7/23/2002	9:12	NA	7	NA	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	4	NA	Well Closed
	9/13/2002	12:45	NA	4	NA	"
	9/19/2002	13:20	NA	3	NA	"
	9/25/2002	7:02	NA	NA	NA	Piping disconnected
	10/1/2002	15:51	NA	4	NA	Well Closed
	10/9/2002	9:43	NA	6	NA	"
	10/16/2002	10:27	NA	NA	NA	Vent
	10/22/2002	10:39	NA	5	NA	Well Closed
	10/30/2002	8:45	NA	5	NA	"
	11/7/2002	13:15	NA	5	NA	"
	11/11/2002	14:00	NA	8	NA	"
2-VEW-17B	5/9/2002	19:10	77	42	9	Well Opened
	5/23/2002	16:20	NA	8	NA	Well Closed
	6/13/2002	8:35	NA	8.5	NA	"
	6/20/2002	10:17	NA	9	NA	"
	6/27/2002	12:34	NA	8	NA	"
	7/3/2002	11:00	NA	8	NA	"
	7/9/2002	14:17	NA	8	NA	"
	7/15/2002	11:48	NA	9	NA	"
	7/23/2002	9:12	NA	10	NA	"
	7/30/2002	13:35	NA	NA	NA	Piping disconnected
	8/7/2002	15:15	NA	NA	NA	"
	8/15/2002	15:30	NA	NA	NA	"
	8/20/2002	11:28	NA	NA	NA	"
	8/27/2002	9:40	NA	NA	NA	"
	9/5/2002	10:45	NA	NA	NA	Vent
	9/13/2002	12:45	NA	NA	NA	"
	9/19/2002	13:20	NA	NA	NA	"
	9/25/2002	7:02	NA	NA	NA	"
	10/1/2002	15:51	NA	NA	NA	"
	10/9/2002	9:43	NA	NA	NA	"
	10/16/2002	10:27	NA	2	NA	Well Closed
	10/22/2002	10:39	NA	7	NA	"
	10/30/2002	8:45	NA	7	NA	"
	11/7/2002	13:15	NA	6	NA	"
	11/11/2002	14:00	NA	10	NA	"

BOE-C6-0130654

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-18	8/15/2002	15:30	42	49	NA	Well Opened
	8/20/2002	11:28	21	59	97	"
	8/27/2002	9:40	50.5	58	31	"
	9/5/2002	10:45	58	61	26	"
	9/13/2002	12:45	56	56	51	"
	9/19/2002	13:20	52.5	56	35	"
	9/25/2002	7:02	51	52	34	"
	10/1/2002	15:51	48.8	50	32	"
	10/9/2002	9:43	54.5	501	39	"
	10/16/2002	10:27	31.1	35	32	"
	10/22/2002	10:39	NA	4	NA	Well Closed
	10/30/2002	8:45	NA	5	NA	"
	11/7/2002	13:15	NA	6	NA	"
	11/11/2002	14:00	NA	NA	NA	"
2-VEW-19	8/15/2002	15:30	42	49	NA	Well Opened
	8/20/2002	11:28	71	59	82	"
	8/27/2002	9:40	77	58	24	"
	9/5/2002	10:45	85	62	32	"
	9/13/2002	12:45	82.5	58	38.3	"
	9/19/2002	13:20	80.5	56	11.6	"
	9/25/2002	7:02	72.5	52	46.6	"
	10/1/2002	15:51	73	50	28.7	"
	10/9/2002	9:43	77.5	50	26.3	"
	10/16/2002	10:27	57.5	34	27	"
	10/22/2002	10:39	NA	3	NA	"
	10/30/2002	8:45	1.4	4	6	"
	11/7/2002	13:15	NA	5	NA	Well Closed
	11/11/2002	14:00	NA	NA	4	"

BOE-C6-0130655

TABLE 7 - BUILDING 2 SVE SYSTEM WELLFIELD DATA

Site Name: BRC Former C-6 Facility
Location: Torrance, California
System: Building 2 SVE system

WELL ID	DATE	TIME	FLOW RATE (1) (scfm)	VACUUM (inches of H2O)	WELLHEAD PID (2) (ppmv)	COMMENTS
2-VEW-20	8/15/2002	15:30	65	50	NA	Well Opened
	8/20/2002	11:28	74	60	33	"
	8/27/2002	9:40	75	58	11	"
	9/5/2002	10:45	81	61	9	"
	9/13/2002	12:45	76	58	3.2	"
	9/19/2002	13:20	NA	12	NA	Well Closed
	9/25/2002	7:02	NA	14	NA	"
	10/1/2002	15:51	NA	13	NA	"
	10/9/2002	9:43	NA	13	NA	"
	10/16/2002	10:27	NA	NA	NA	"
	10/22/2002	10:39	NA	15	NA	"
	10/30/2002	8:45	NA	15	NA	"
	11/7/2002	13:15	NA	14	NA	"
	11/11/2002	14:00	43	38	1.5	"
2-VEW-21	9/25/2002	7:02	61.5	50	6.8	Well Opened
	10/1/2002	15:51	61	51	3	"
	10/9/2002	9:43	70.5	50	5.6	"
	10/16/2002	10:27	NA	3	NA	Well Closed
	10/22/2002	10:39	NA	10	NA	"
	10/30/2002	8:45	NA	10	NA	"
	11/7/2002	13:15	NA	9	NA	"
	11/11/2002	14:00	NA	NA	NA	"

Notes:
(1) Direct flow readings taken by hand-held TSI Veloci-calc Plus
(2) Measurements taken with a MiniRae 2000 PID calibrated to 100 ppmv Hexane, results as Hexane.
* Measurements taken with Foxboro OVA-128 calibrated to Hexane. Results as Hexane.
ppmv = parts per million by volume
scfm = standard cubic foot per minute (acfm corrected for vacuum and temperature)
NA = data was not recorded or available

BOE-C6-0130656

TABLE 8 - REGRESSION BASED ON UNDILUTED CONCENTRATIONS

Site Name: BRC Former C-6 Facility
Location: Los Angeles, California
System: Building 2 SVE system

12/13/2001 **Initial Date** **Cn = 3800** **Initial Concentration**

Date	DAYS	Co	Co/Cn	ln(Co/Cn)	t (days)	K	$t_{90\%}$	$t_{99\%}$	Projected 90% Concentration Reduction	Projected 99% Concentration Reduction
12/13/2001	1	3800	1.00	0.00	0					
1/3/2002	21	930	0.24	-1.41	-21	0.067	34.4	68.7	1/16/2002	2/19/2002
1/18/2002	36	770	0.20	-1.60	-36	0.044	51.9	103.8	2/2/2002	3/26/2002
2/6/2002	55	835	0.22	-1.52	-55	0.028	83.6	167.1	3/6/2002	5/29/2002
2/21/2002	70	800	0.21	-1.56	-70	0.022	103.5	206.9	3/26/2002	7/7/2002
2/27/2002	76	715	0.19	-1.67	-76	0.022	104.8	209.5	3/27/2002	7/10/2002
3/6/2002	83	605	0.16	-1.84	-83	0.022	104.0	208.0	3/27/2002	7/9/2002
3/29/2002	106	274	0.07	-2.63	-106	0.025	92.8	185.6	3/15/2002	6/16/2002
4/4/2002	112	276	0.07	-2.62	-112	0.023	98.4	196.7	3/21/2002	6/27/2002
4/17/2002	125	270	0.07	-2.64	-125	0.021	108.9	217.7	3/31/2002	7/18/2002
5/3/2002	141	178	0.05	-3.06	-141	0.022	106.1	212.1	3/29/2002	7/13/2002
6/4/2002	173	170	0.04	-3.11	-173	0.018	128.2	256.4	4/20/2002	8/26/2002
7/3/2002	202	62	0.02	-4.12	-202	0.020	113.0	226.0	4/5/2002	7/27/2002
8/7/2002	237	41	0.01	-4.52	-237	0.019	120.6	241.2	4/12/2002	8/11/2002
9/5/2002	266	28	0.01	-4.91	-266	0.018	124.8	249.6	4/16/2002	8/19/2002
10/1/2002	292	34	0.01	-4.72	-292	0.016	142.5	284.9	5/4/2002	9/23/2002
11/11/2002	333	14	0.00	-5.58	-333	0.017	137.4	274.7	4/29/2002	9/13/2002

Notes:
Co = Initial or baseline concentration
Cn = Concentration at a specifed future date
ln = natural log
t = time in days
K = calculated factor
t 90% = time at which the concentration will be reduced 90% of the initial concentration
t 99% = time at which the concentration will bereduced 99% of the initial concentration

	90% Reduction	99% Reduction
Estimated	April 2002	July-Aug 2002

BOE-C6-0130657

TABLE 9 - BUILDING 2 SVE SYSTEM EXTENDED PILOT TEST SOIL SAMPLING RESULTS

Site Name: BRC Former C-6 Facility
Location: Los Angeles, California
System: Building 2 SVE system

PRE-SVE SOIL BORING	SAMPLE DEPTH (FEET BGS)	PRE-SVE TCE CONCENTRATION (ug/kg)	AUGUST 2002 SOIL BORING	SAMPLE DEPTH (FEET BGS)	AUGUST 2002 TCE CONCENTRATION (ug/kg)	LOCATION OF AUGUST 2002 SAMPLE IN RELATION TO PRE-SVE SAMPLE	APPROXIMATE CONCENTRATION REDUCTION (%)*
C-2-143	25	160	SB1000_SSA080102_0001	25	< 2.0	5 feet west	98.75
C-2-26-1	25	160	2_VEW_19_SSC080102_0001	25	< 2.0	35 feet west	98.75
C-2-26-2	25	37	2_VEW_18_SSC080102_0001	25	< 2.0	25 feet west	94.59
S-24-3	40	220	SB1001_SSB080102_0001	40	380	20 feet northeast	**
C-2-143	50	450	SB1000_SSC080102_0001	50	3.6 J	5 feet west	99.20
C-2-26-1	50	200	2_VEW_19_SSC080102_0001	50	< 2.0	35 feet west	99.00
C-2-26-2	50	130	2_VEW_18_SSC080102_0001	50	< 2.0	25 feet west	98.46
S-24-3	50	450	SB1001_SSC080102_0001	50	7	20 feet north	98.44
S-24-5	50	82,000	SB1001_SSC080102_0002	50	< 2.0	10 feet southeast	100.00

PRE-SVE SOIL BORING	SAMPLE DEPTH (FEET BGS)	PRE-SVE TCE CONCENTRATION (ug/kg)	SEPTEMBER 2002 SOIL BORING	SAMPLE DEPTH (FEET BGS)	SEPTEMBER 2002 TCE CONCENTRATION	LOCATION OF SEPTEMBER 2002 SAMPLE IN RELATION TO PRE-SVE SAMPLE	APPROXIMATE CONCENTRATION REDUCTION (%)*
C-2-26	25	400	SB1003_SSA092302_0001	25	< 2.0	same	99.50
C-2-26-1	25	160	SB1002_SSA092302_0001	25	< 2.0	10 feet northwest	98.75
C-2-26	30	140	SB1003_SSA092302_0001	30	< 2.0	same	98.57
S-24-3	30	ND	SB1004_SSA092302_0001	30	< 2.0	10 feet northwest	NA
C-2-26	40	290	SB1003_SSA092302_0001	40	< 2.0	same	99.31
C-2-26-1	40	ND	SB1002_SSA092302_0001	40	< 2.0	10 feet northwest	NA
S-24-3	40	220	SB1004_SSA092302_0001	40	< 2.0	10 feet northwest	99.09
C-2-26	50	240	SB1003_SSA092302_0001	40	27	same	88.75
C-2-26-1	50	200	SB1002_SSA092302_0001	40	110	10 feet northwest	45.00
S-24-3	50	450	SB1004_SSA092302_0001	40	< 2.0	10 feet northwest	99.56

Notes:
J = Result is below laboratory reporting limit, result estimated.
< 2.0 = Not detected above method detection limit of 2.0 ug/kg
NA = Not applicable
BGS = Below ground surface
ug/kg = Micrograms per kilogram
* = To calculate % reduction for samples below method detection limit, the concentration is assumed to be the method detection limit (2.0 ug/kg)
** = August 2002 TCE sample result (SB1001) greater than previous sample (S-24-3) collected 20 feet to the southwest

BOE-C6-0130658

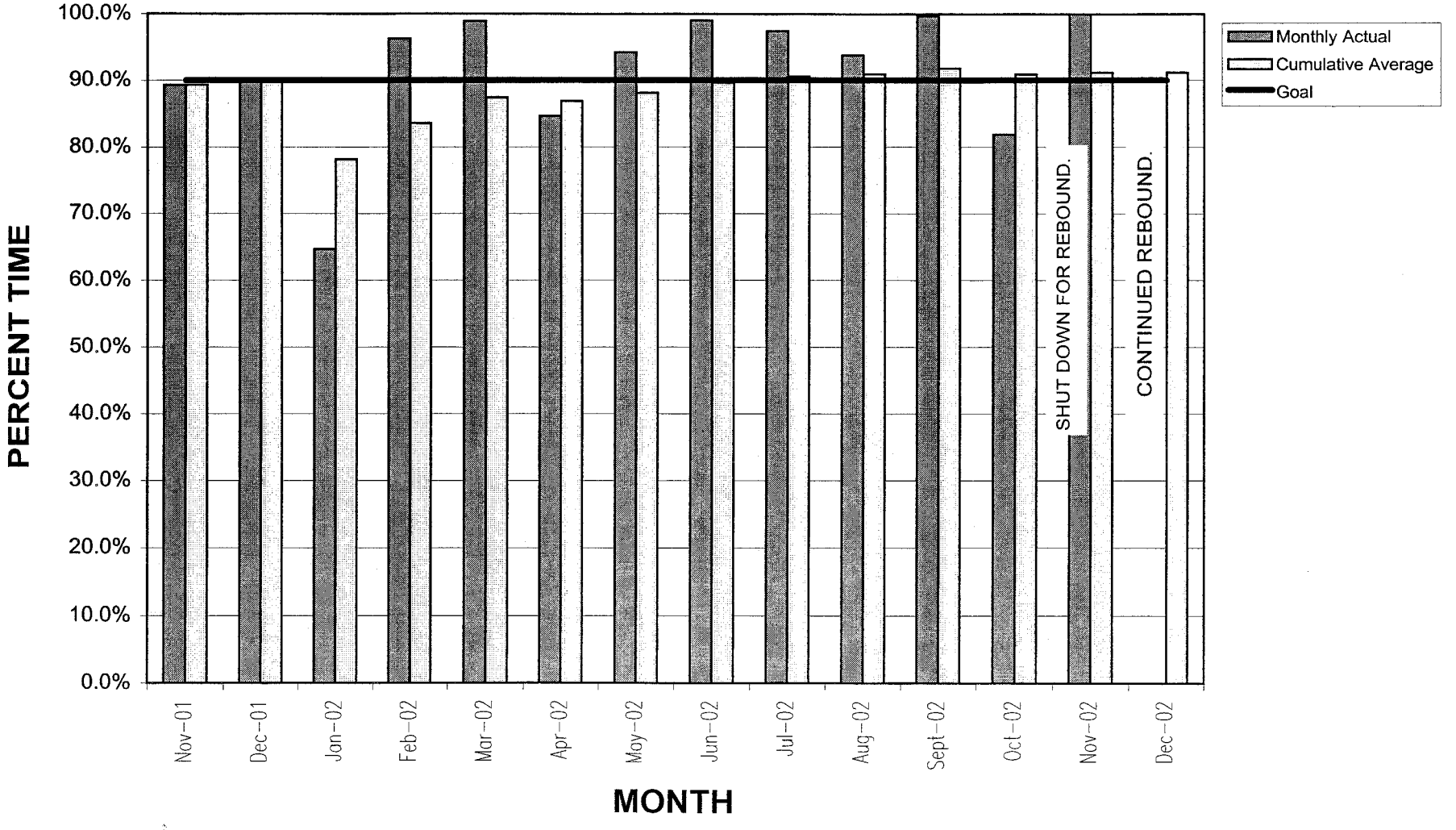
TABLE 10 - BUILDING 2 SVE REBOUND DATA

Site Name: BRC Former C-6 Facility
Location: Los Angeles, California
System: Building 2 SVE system

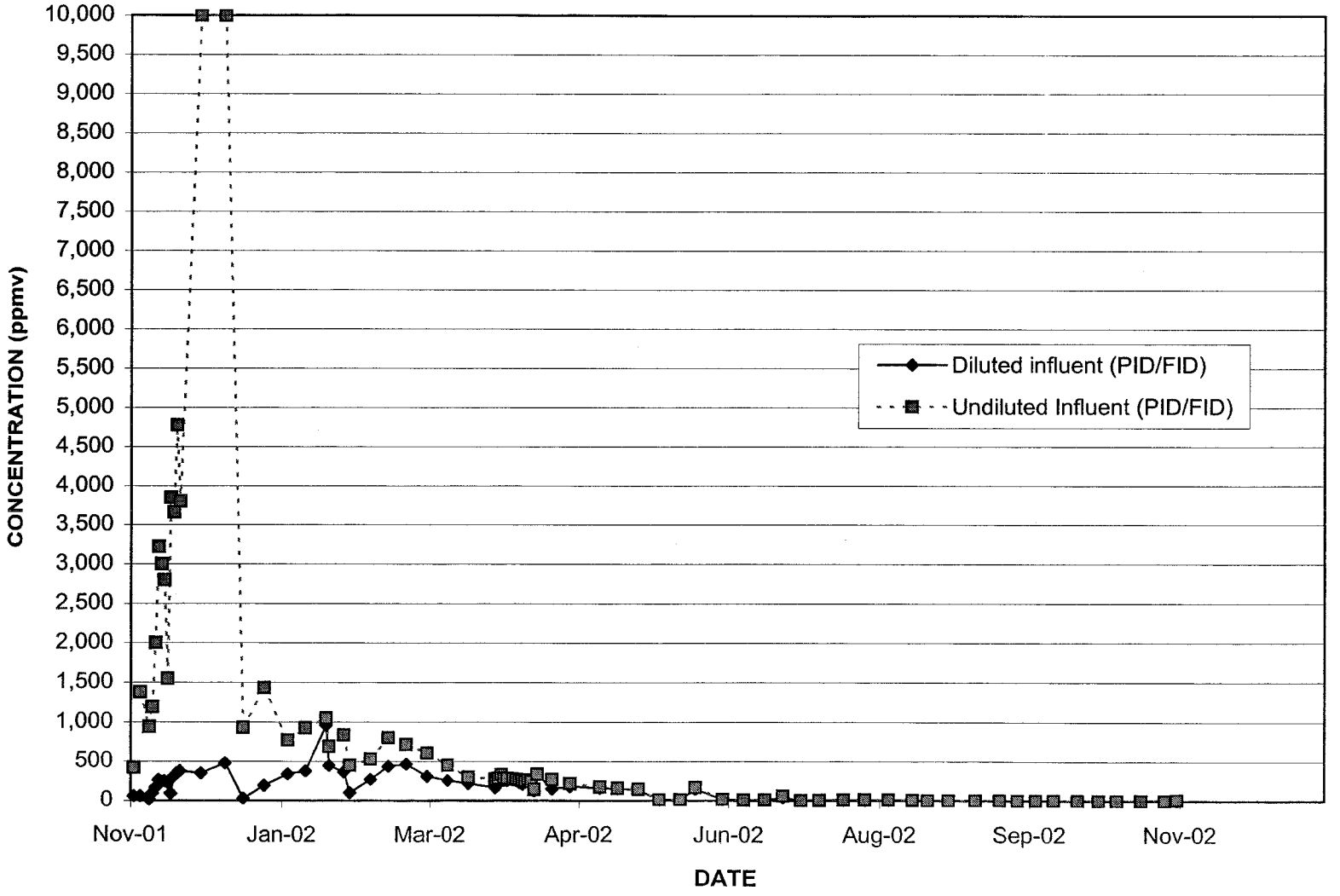
Date	Baseline 11/11/02	Week 2 11/25/02	Week 4 12/09/02	Week 6 12/23/02
Western VEW Wells	**Laboratory (ppmv)**	**FID Conc. (ppmv)**	**FID Conc. (ppmv)**	**FID Conc. (ppmv)**
2-VEW-1B	15.3	11.0	26.0	22.0
2-VEW-4	2.1	5.0	3.0	6.5
2-VEW-8B	3.9	2.0	2.0	3.1
Eastern VEW Wells	**Laboratory (ppmv)**	**FID Conc. (ppmv)**	**FID Conc. (ppmv)**	**FID Conc. (ppmv)**
2-VEW-9	2.6	3.5	4.0	9.5
2-VEW-10B	6.4	2.3	2.0	3.1
2-VEW-11B	6.8	4.7	6.0	1.5
2-VEW-15B	10.5	2.9	2.0	5.6
2-VEW-19	3.7	2.6	2.0	4.0
Western VEW Wells	**PID Conc. (ppmv)**	**PID Conc. (ppmv)**	**PID Conc. (ppmv)**	**PID Conc. (ppmv)**
2-VEW-1B	24.5	98.5	415.0	102.0
2-VEW-4	17.5	11.6	17.2	16.0
2-VEW-8B	37.1	6.8	18.7	8.1
Eastern VEW Wells	**PID Conc. (ppmv)**	**PID Conc. (ppmv)**	**PID Conc. (ppmv)**	**PID Conc. (ppmv)**
2-VEW-9	18.7	38.2	34.4	50.0
2-VEW-10B	32.5	17.3	14.1	20.0
2-VEW-11B	39.6	53.0	57.8	5.5
2-VEW-15B	28.7	23.5	14.7	24.0
2-VEW-19	20.1	22.4	19.3	20.0

Notes:
ppmv = parts per million by volume
PID = photoionization detector
FID = flame ionization detector

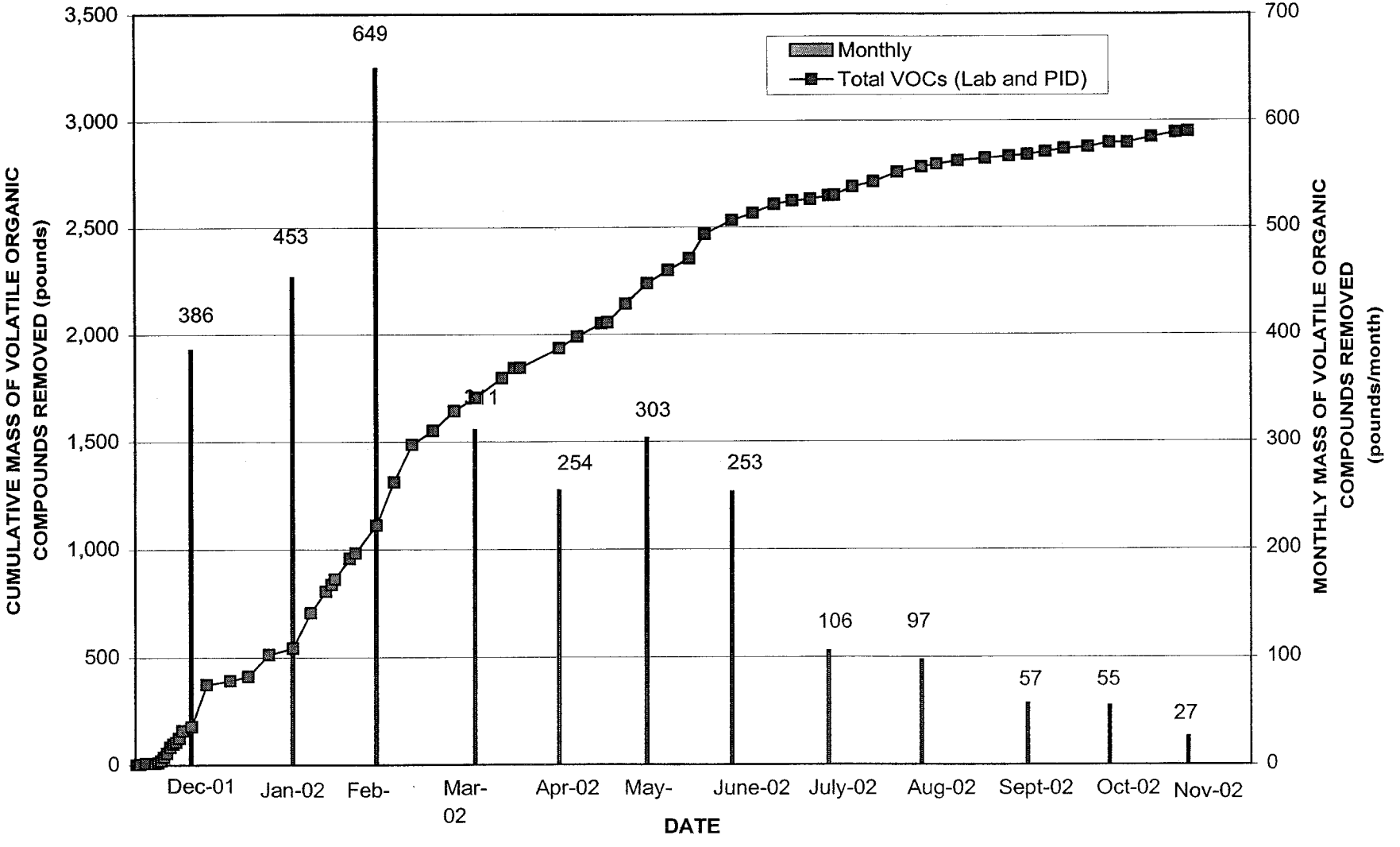
GRAPH 4
BUILDING 2 MONTHLY PERCENT OPERATION



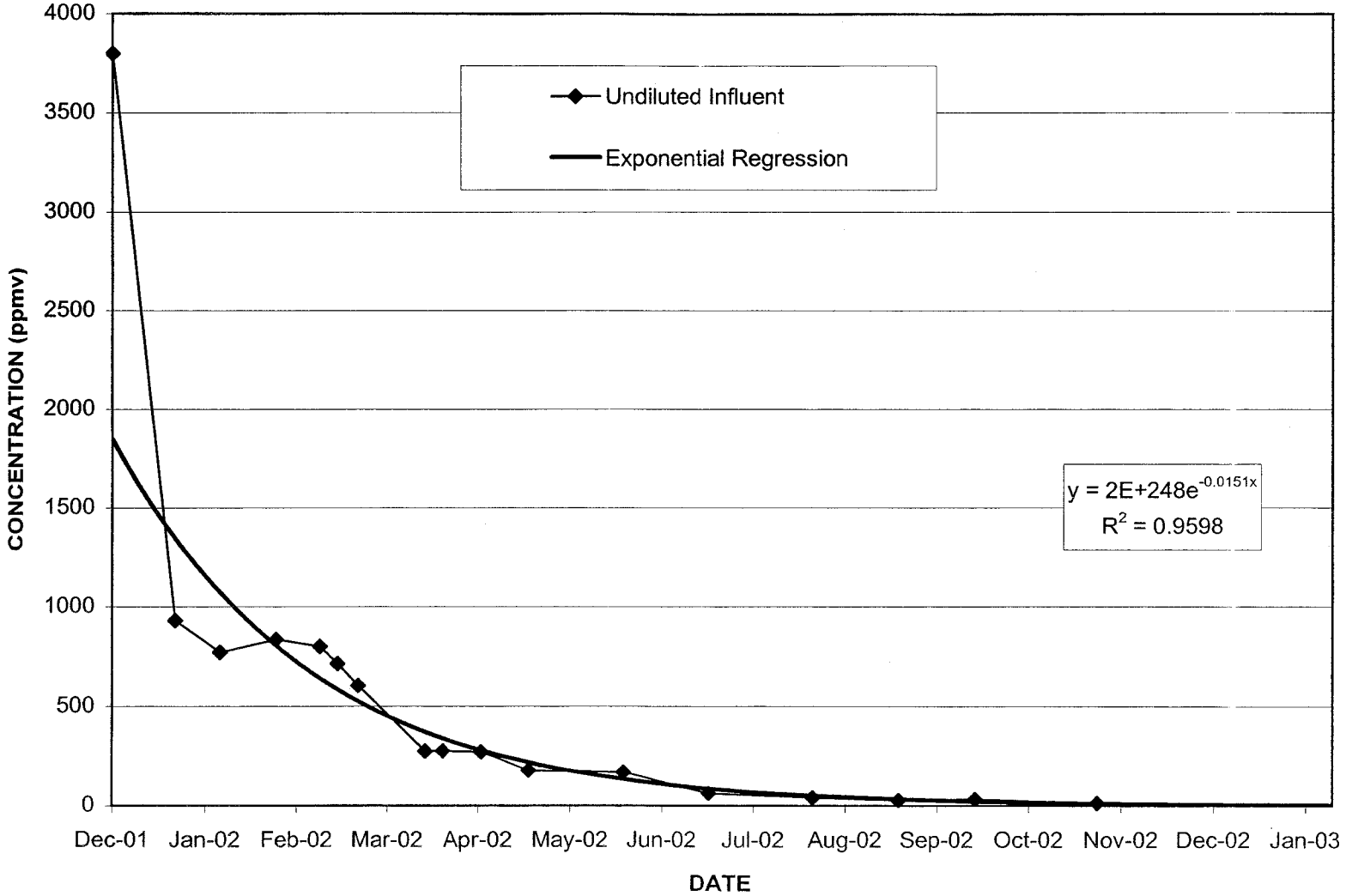
GRAPH 5
BUILDING 2 SVE SYSTEM TOTAL VOC INFLUENT CONCENTRATIONS



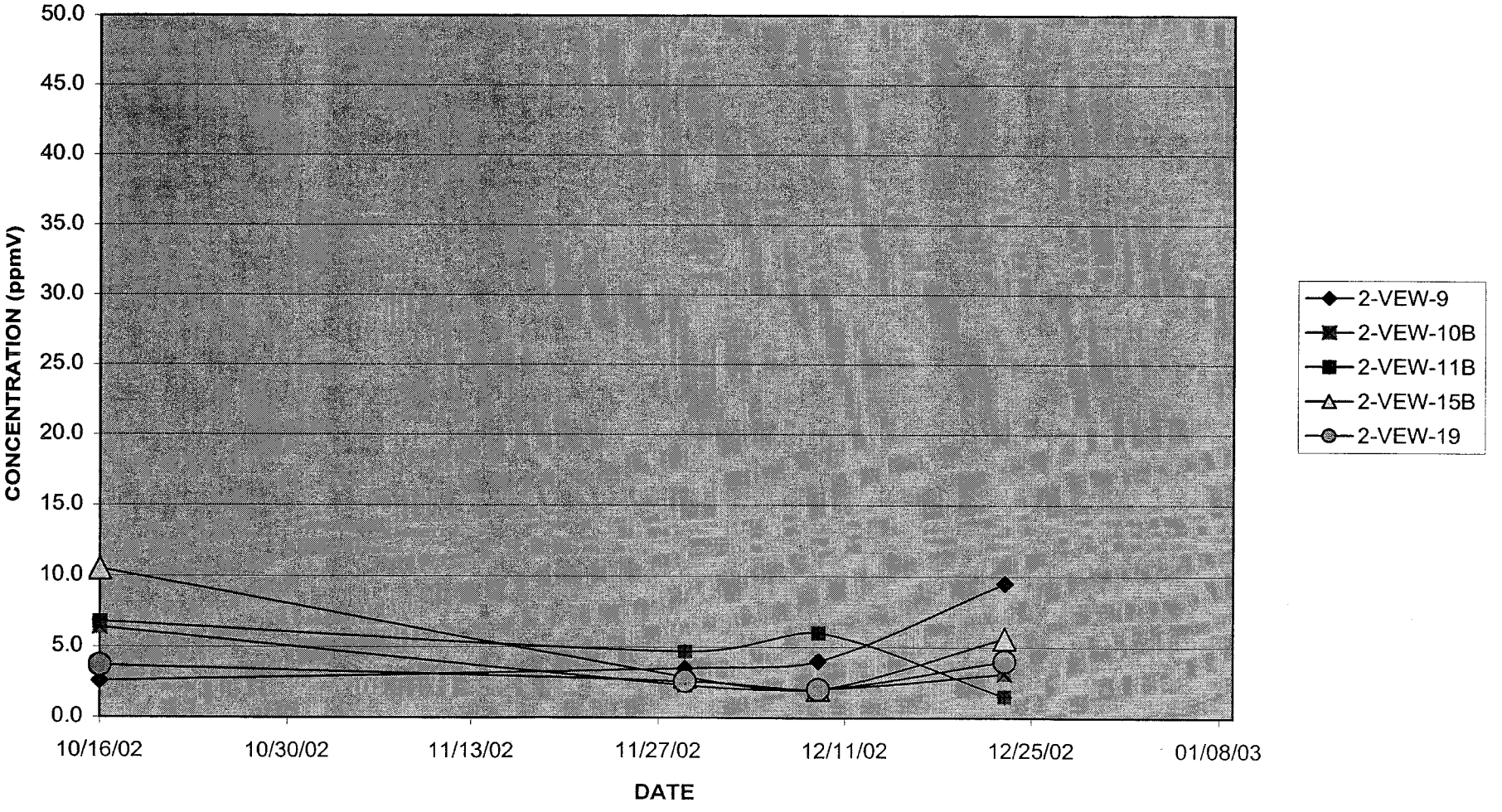
GRAPH 6
BUILDING 2 CUMULATIVE VOLATILE ORGANIC COMPOUND MASS REMOVED



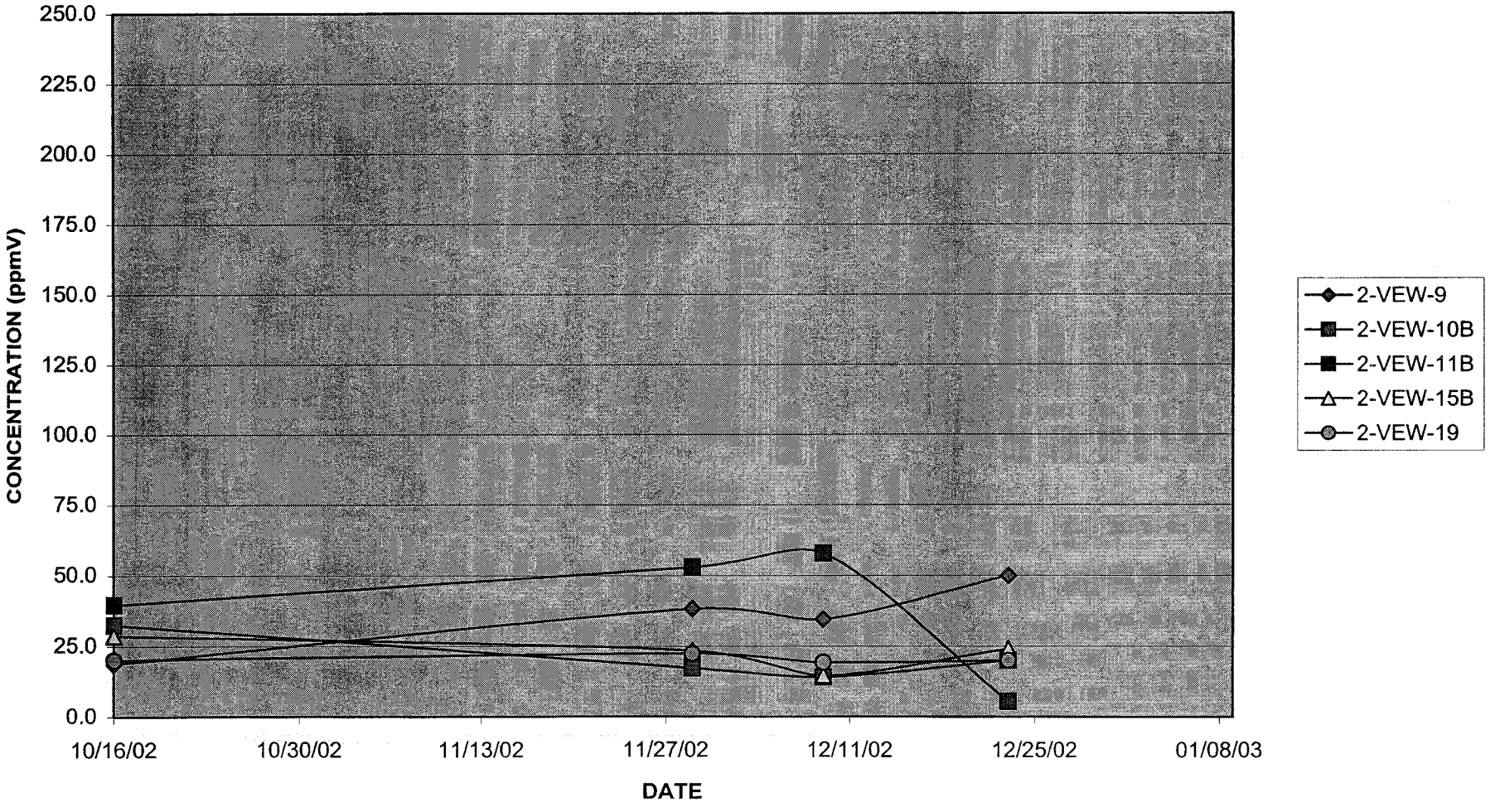
GRAPH 7
BUILDING 2 SVE SYSTEM REGRESSION ANALYSIS
CONCENTRATION REDUCTION



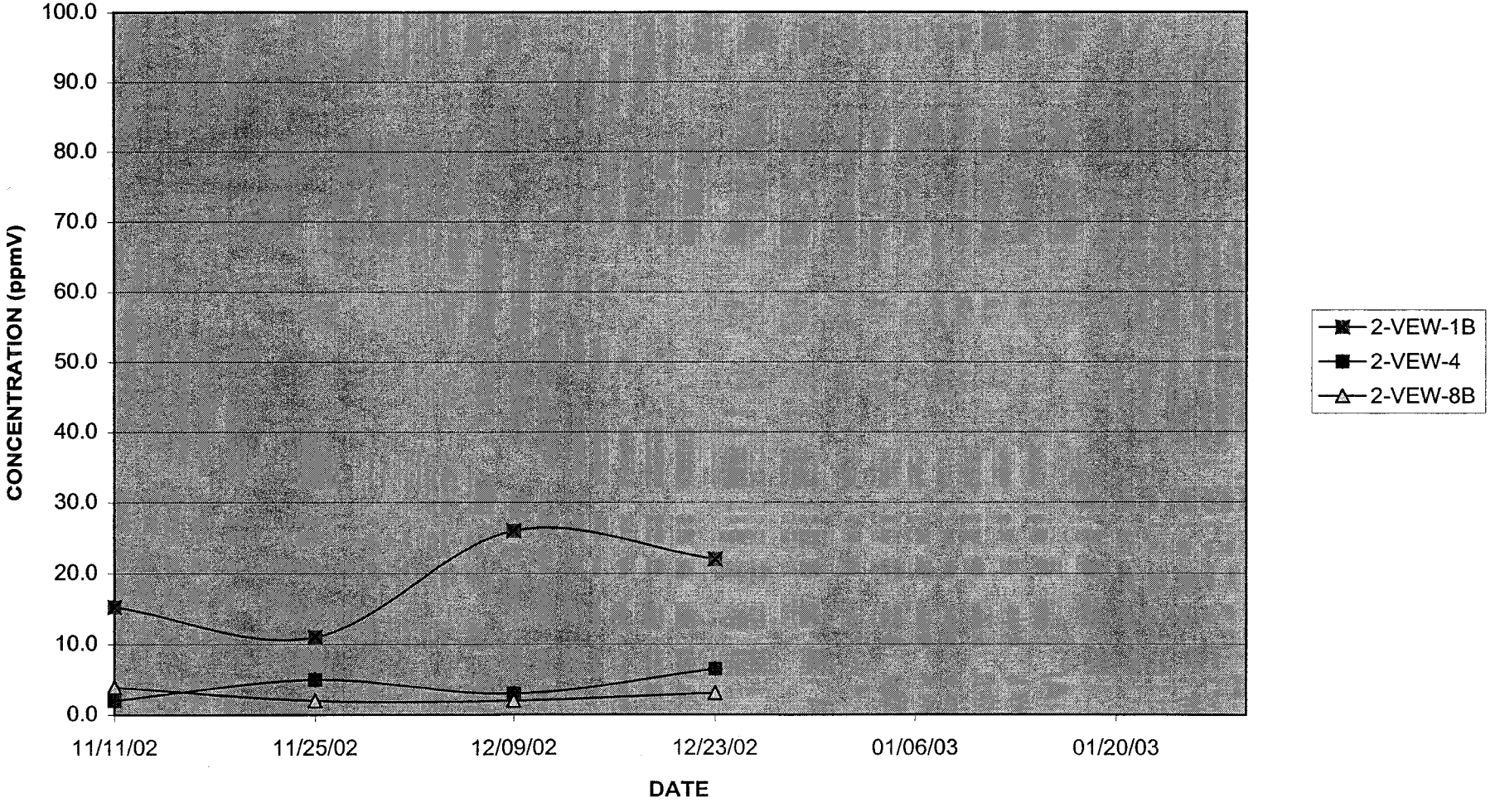
GRAPH 8
EASTERN WELLS
FID CONCENTRATIONS vs. TIME



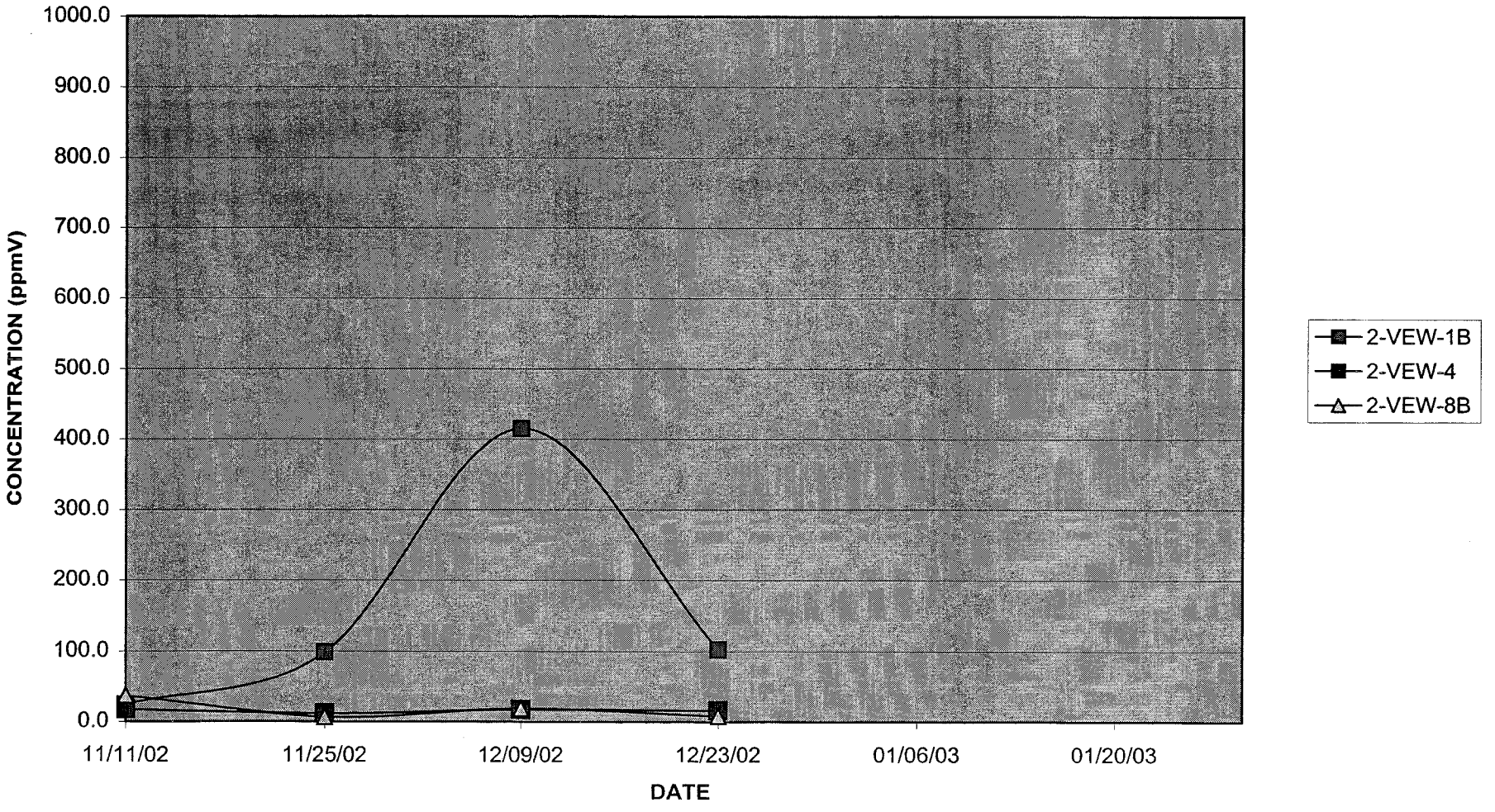
GRAPH 9
EASTERN WELLS
PID CONCENTRATIONS vs. TIME



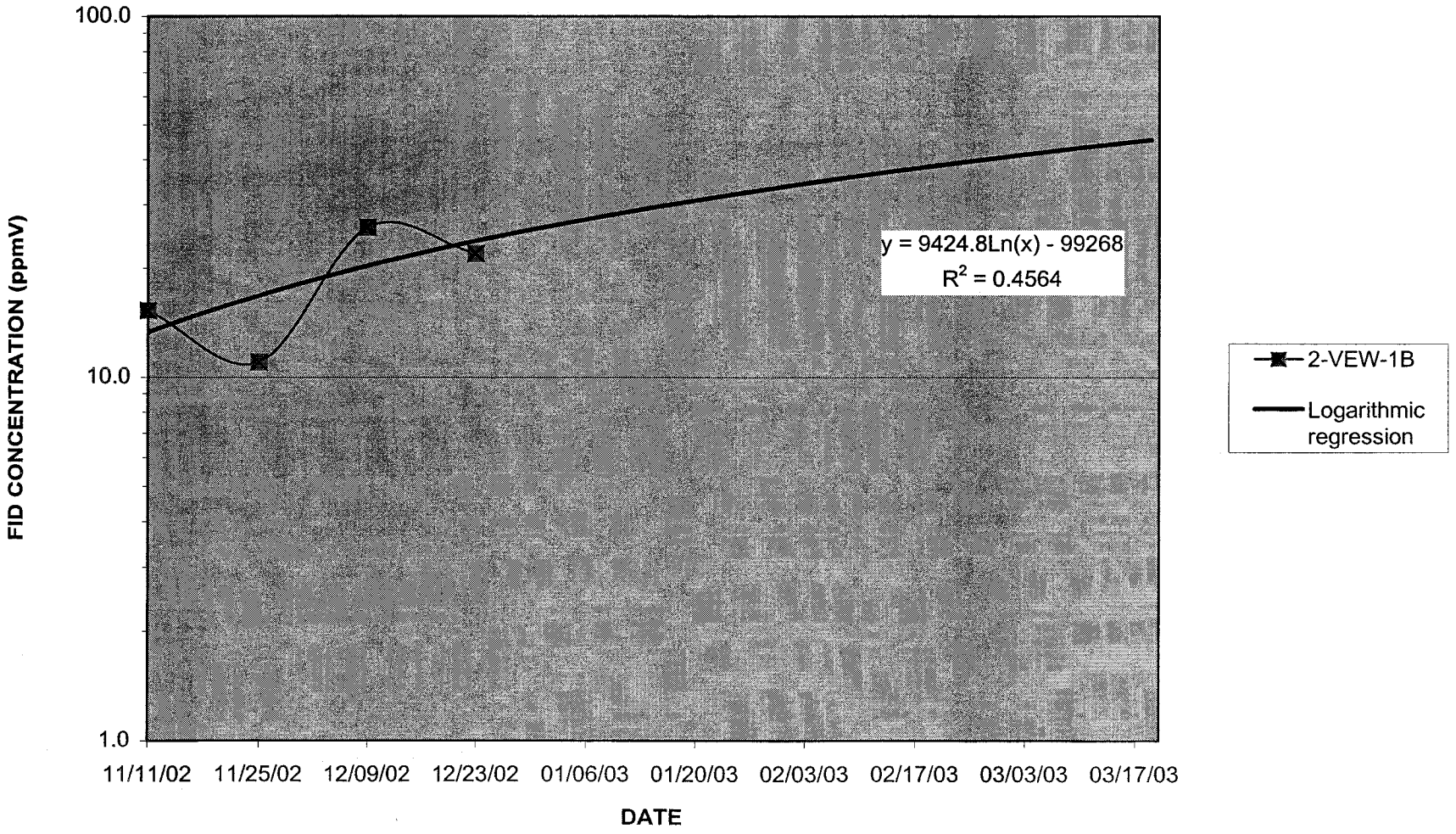
GRAPH 10
WESTERN WELLS
FID CONCENTRATIONS vs. TIME



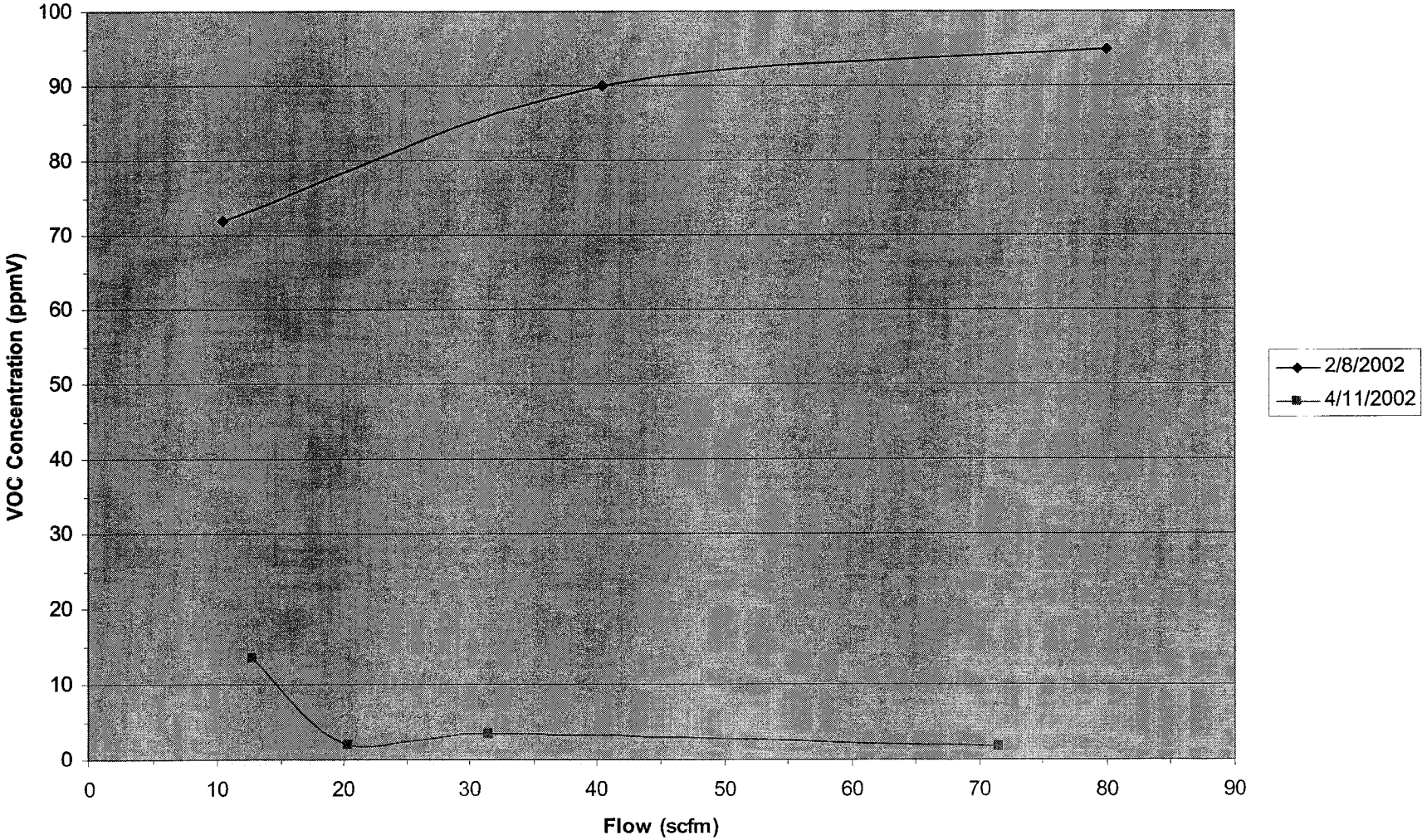
GRAPH 11
WESTERN WELLS
PID CONCENTRATIONS vs. TIME



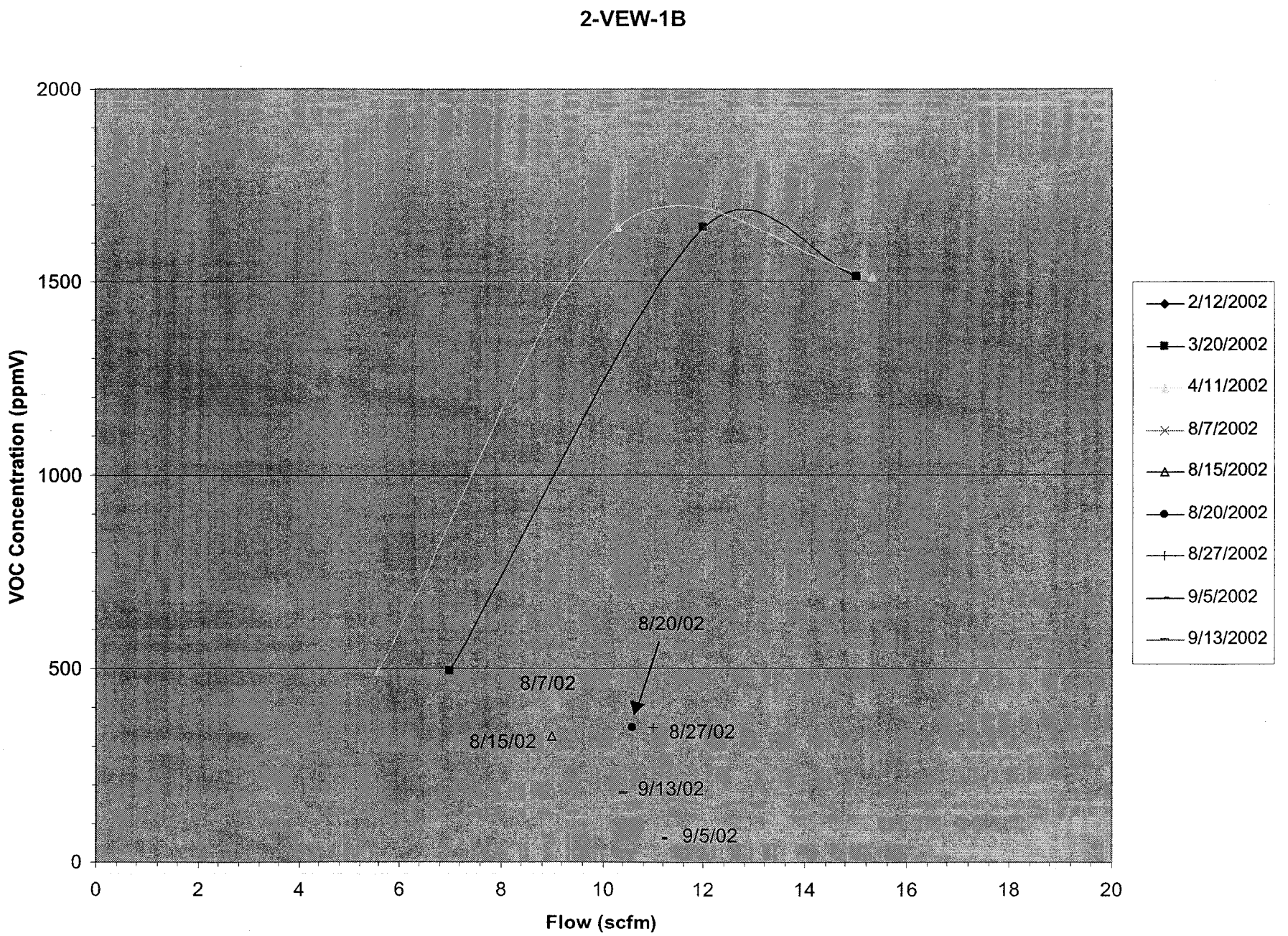
GRAPH 12
LOGARITHMIC REGRESSION
2-VEW-1B



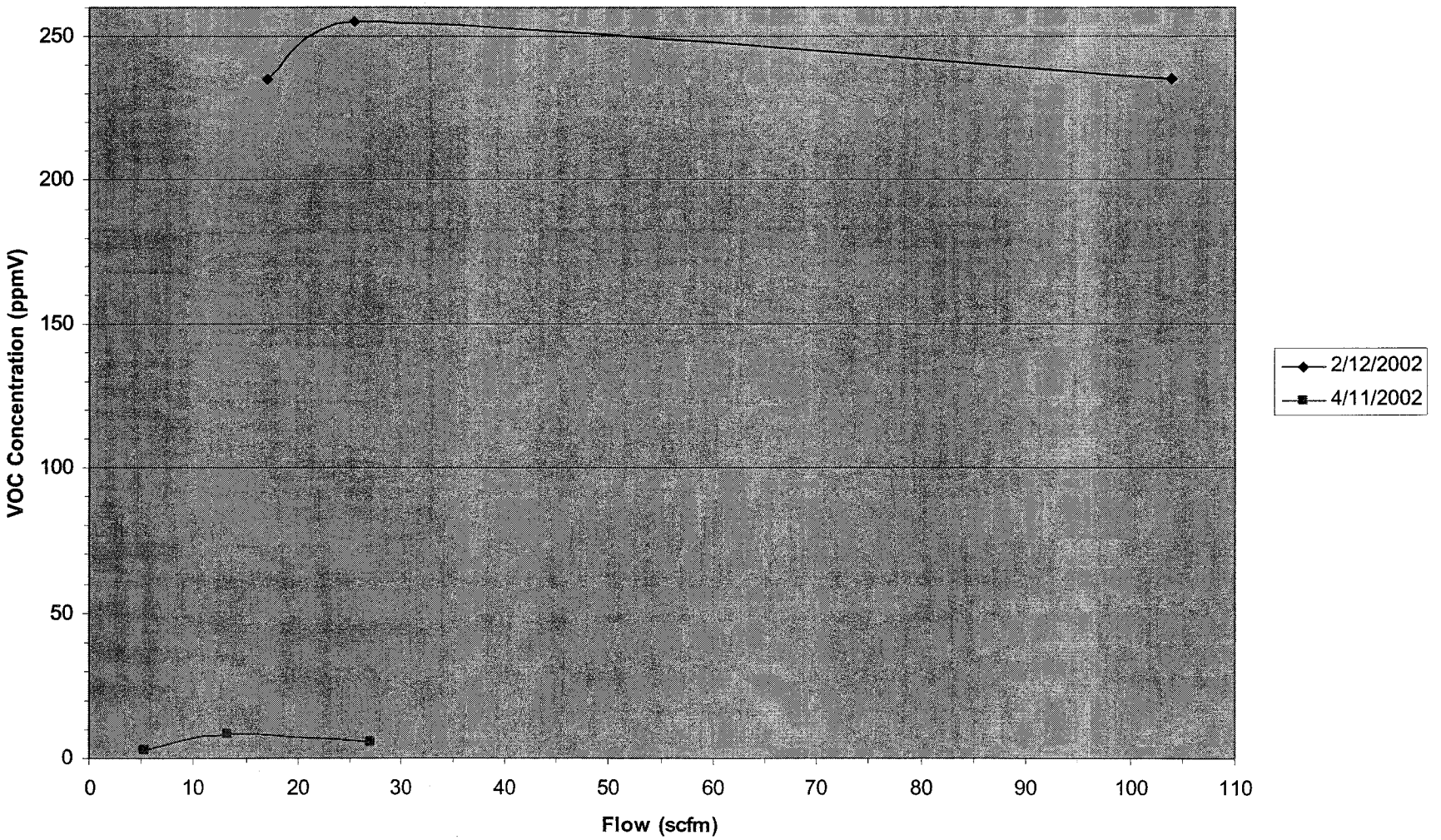
2-VEW-1A

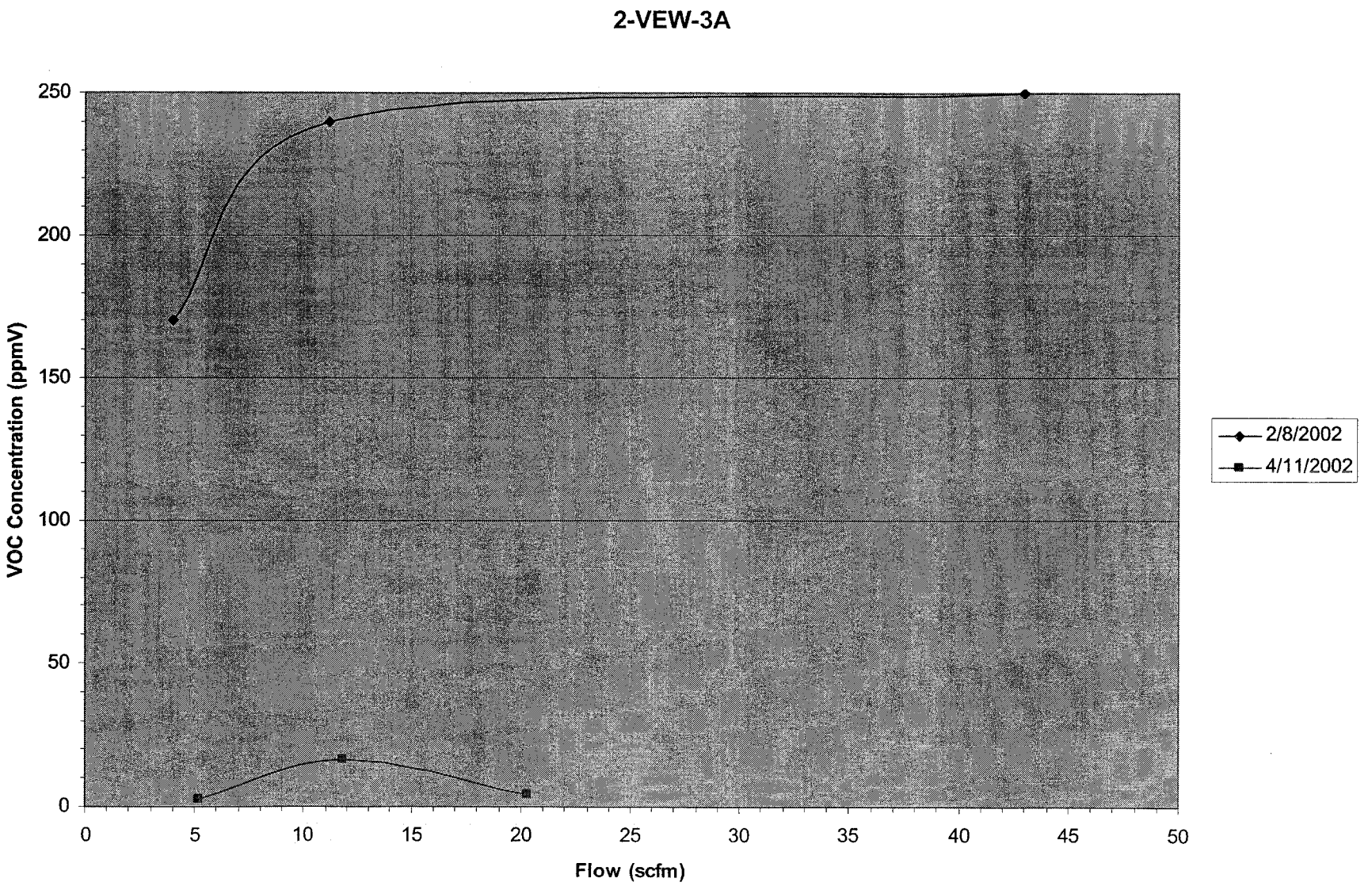


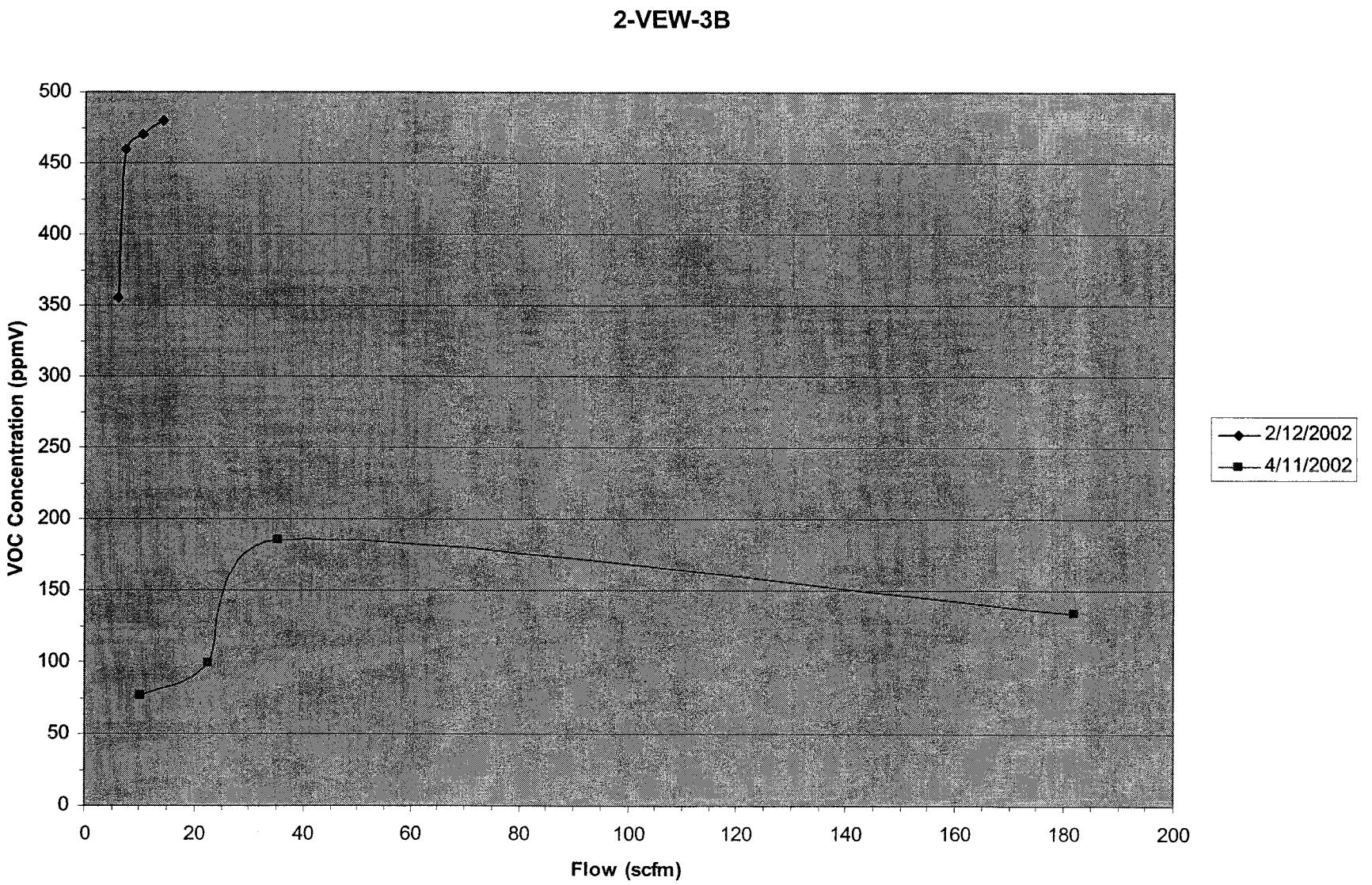
BOE-C6-0130669

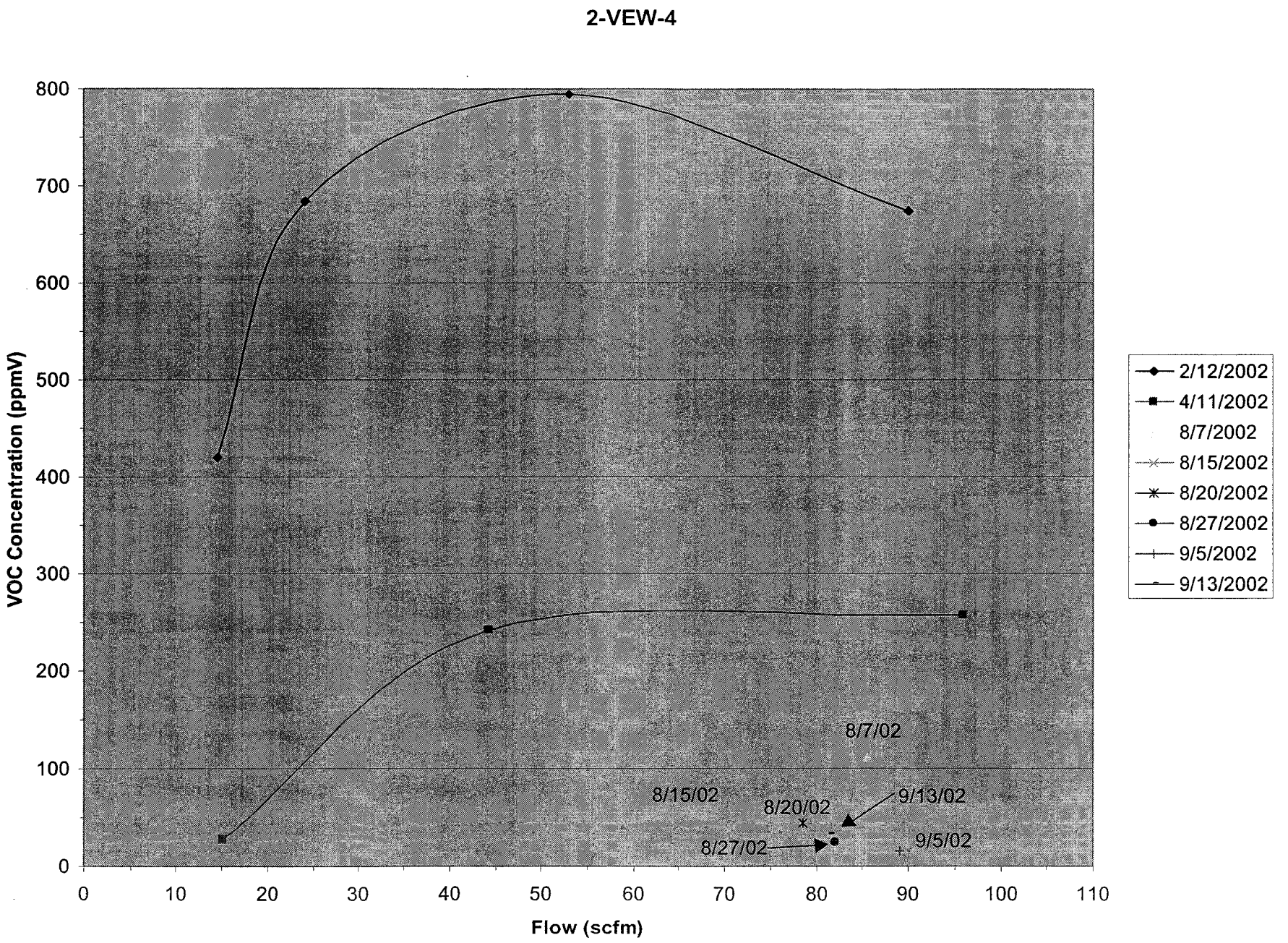

2-VEW-1B
VOC Concentration (ppmV)
Flow (scfm)
2000
1500
1000
500
0
0
2
4
6
8
10
12
14
16
18
20
8/20/02
8/7/02
8/15/02
8/27/02
9/13/02
9/5/02
2/12/2002
3/20/2002
4/11/2002
8/7/2002
8/15/2002
8/20/2002
8/27/2002
9/5/2002
9/13/2002

2-VEW-2

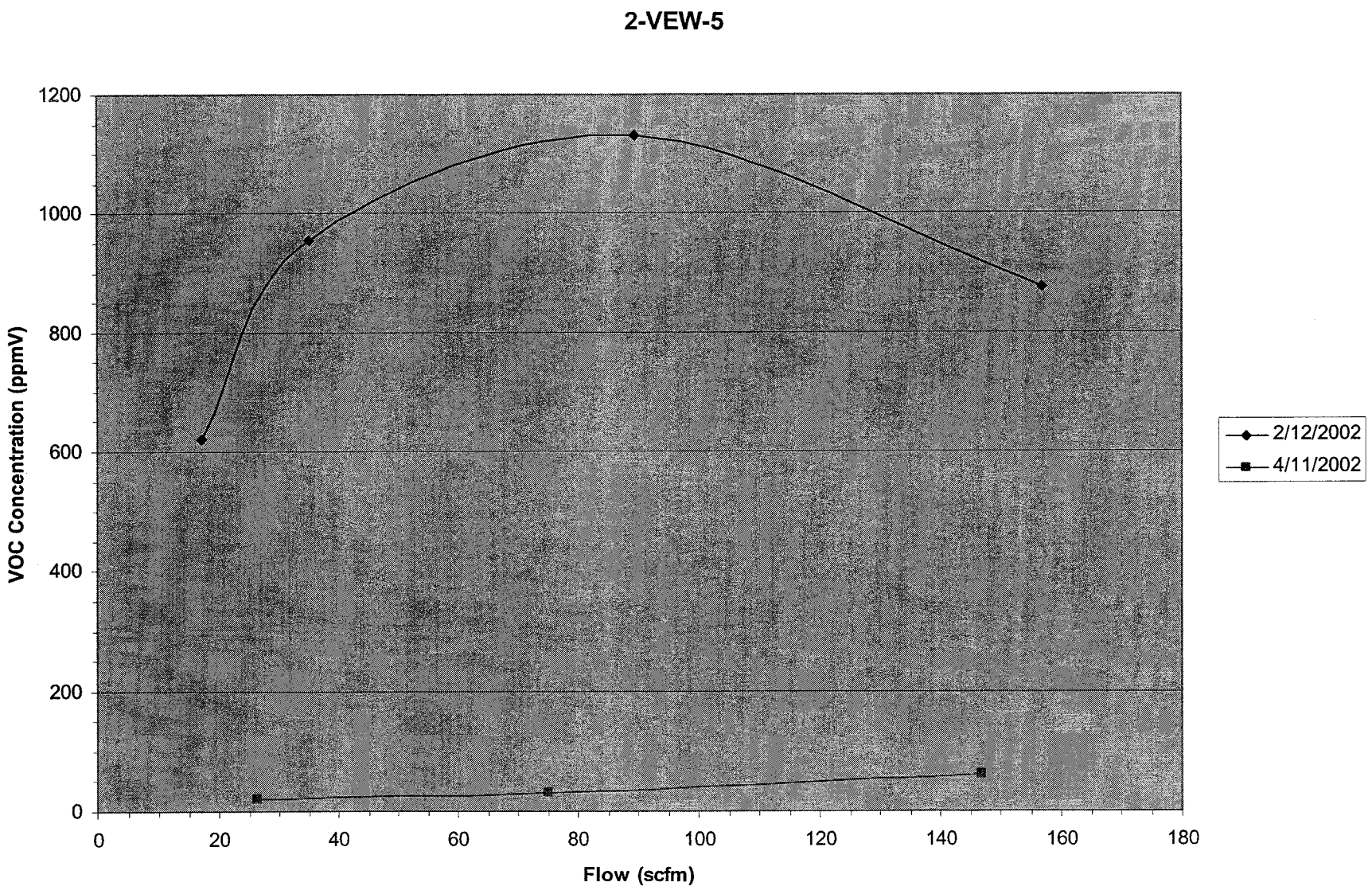

VOC Concentration (ppmV)
250
200
150
100
50
0
0
10
20
30
40
50
60
70
80
90
100
110
Flow (scfm)
2/12/2002
4/11/2002


2-VEW-3A
VOC Concentration (ppmV)
250
200
150
100
50
0
0
5
10
15
20
25
30
35
40
45
50
Flow (scfm)
2/8/2002
4/11/2002

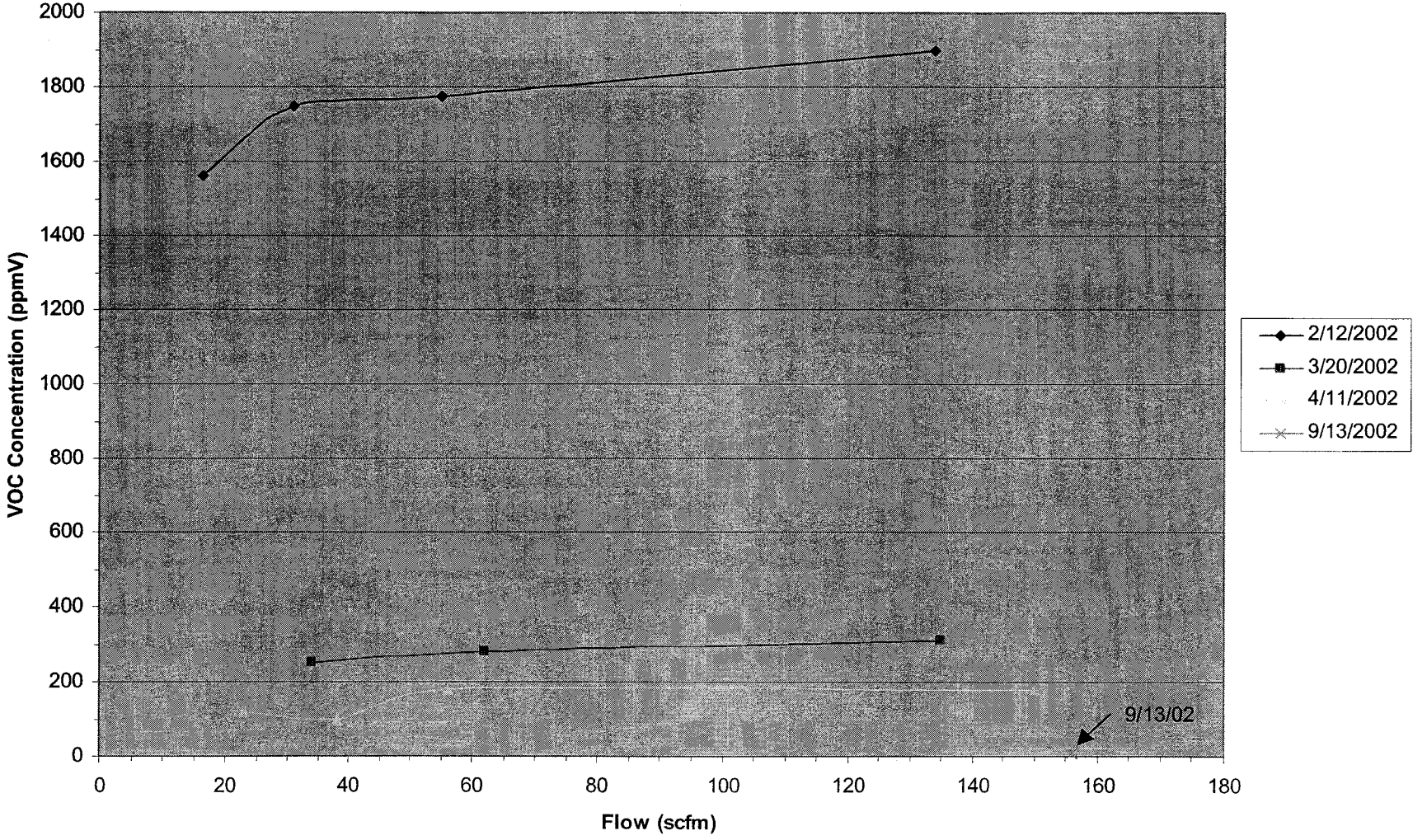

2-VEW-3B
VOC Concentration (ppmV)
500
450
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100
120
140
160
180
200
Flow (scfm)
2/12/2002
4/11/2002

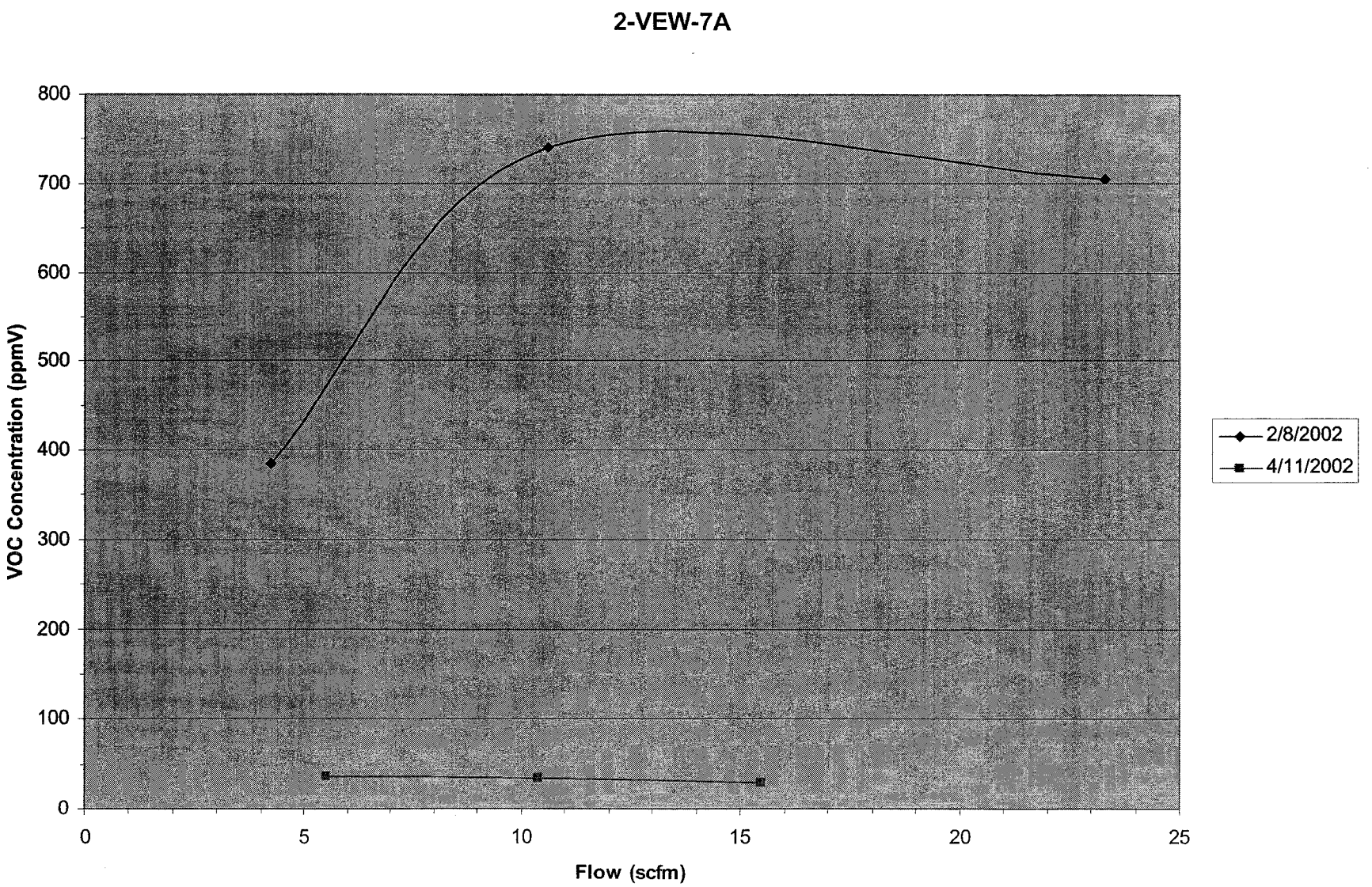


BOE-C6-0130674

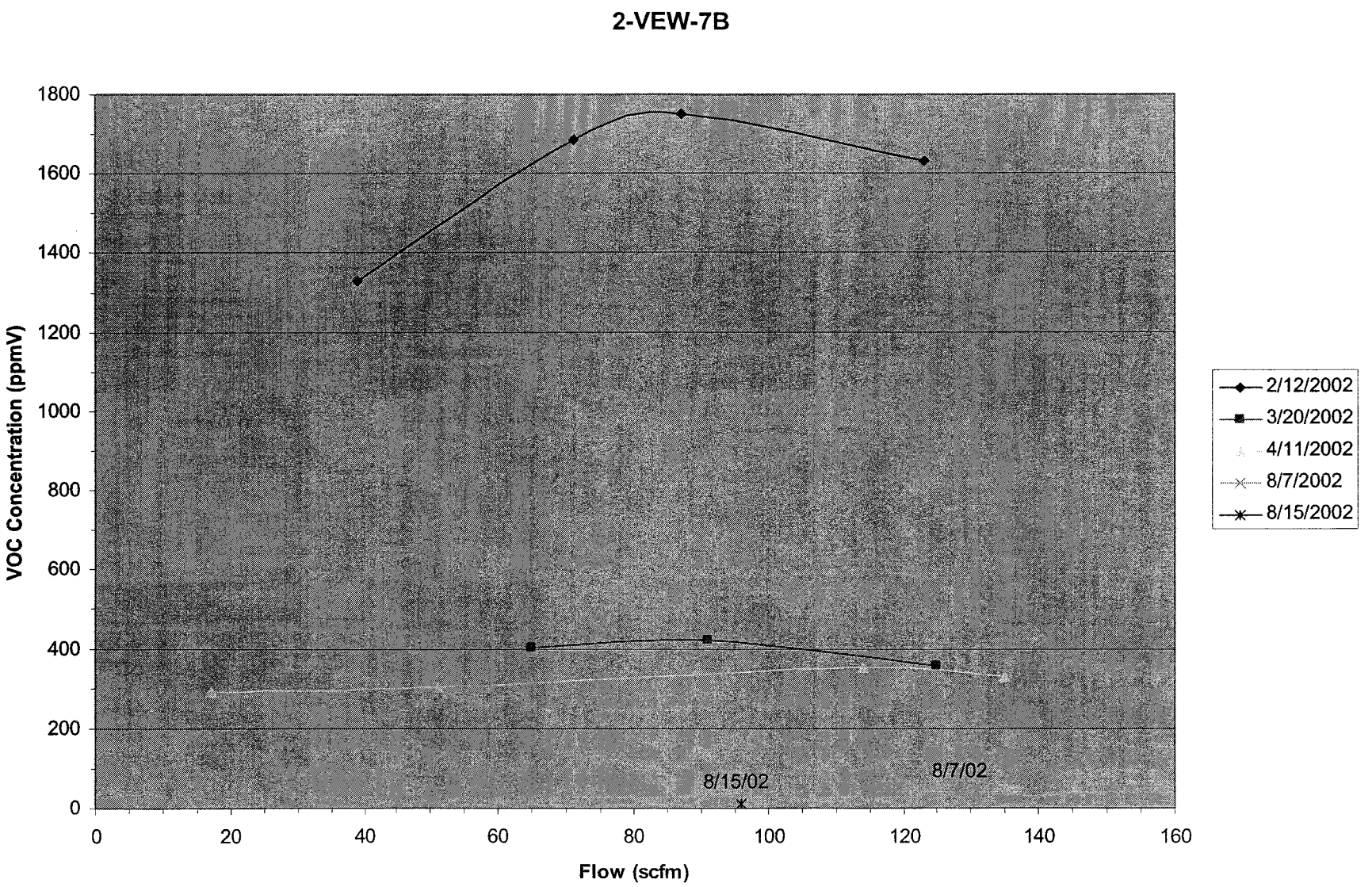

2-VEW-5
VOC Concentration (ppmV)
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
180
Flow (scfm)
2/12/2002
4/11/2002

2-VEW-6

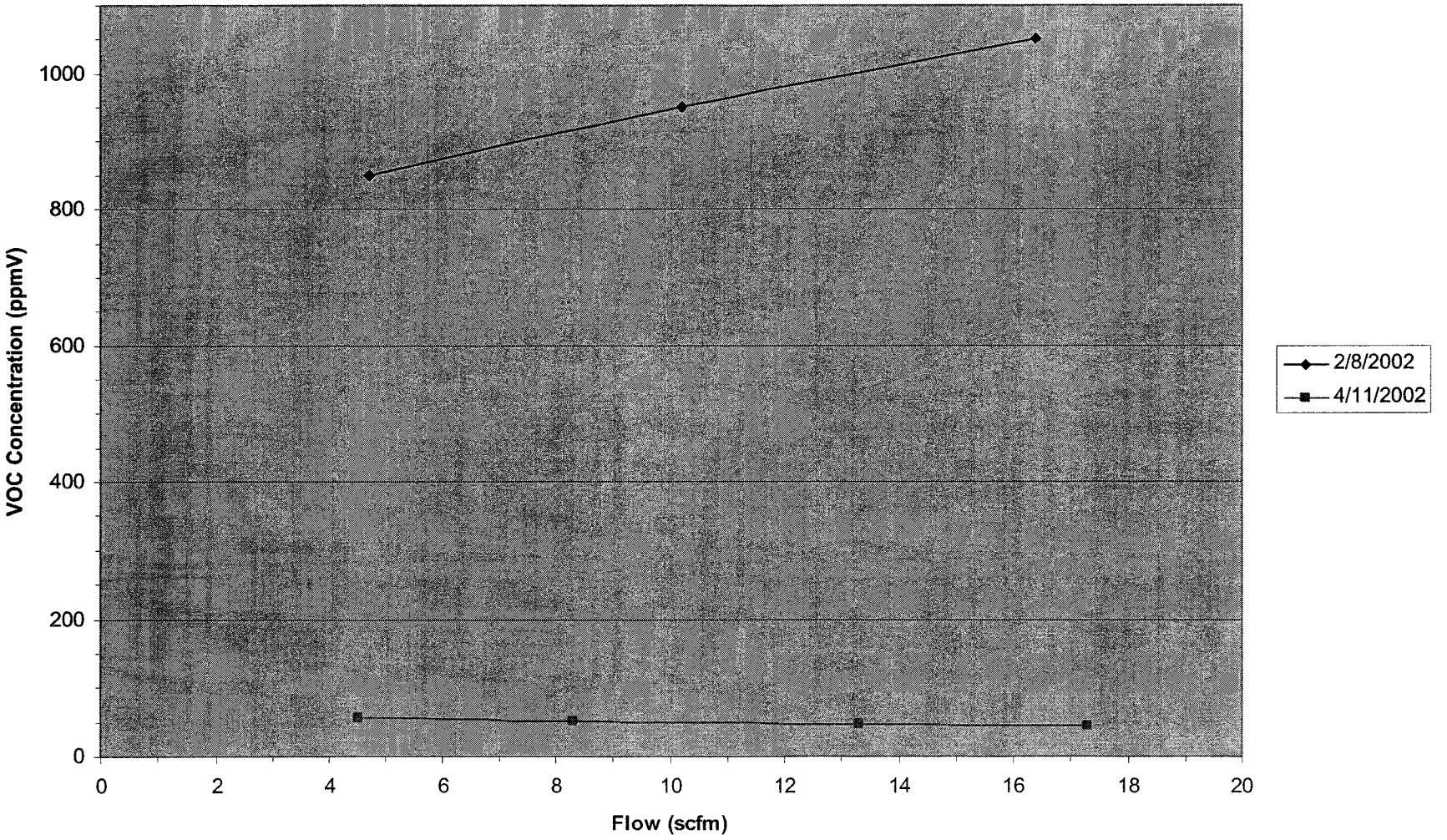

VOC Concentration (ppmV)
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
180
Flow (scfm)
9/13/02
2/12/2002
3/20/2002
4/11/2002
9/13/2002

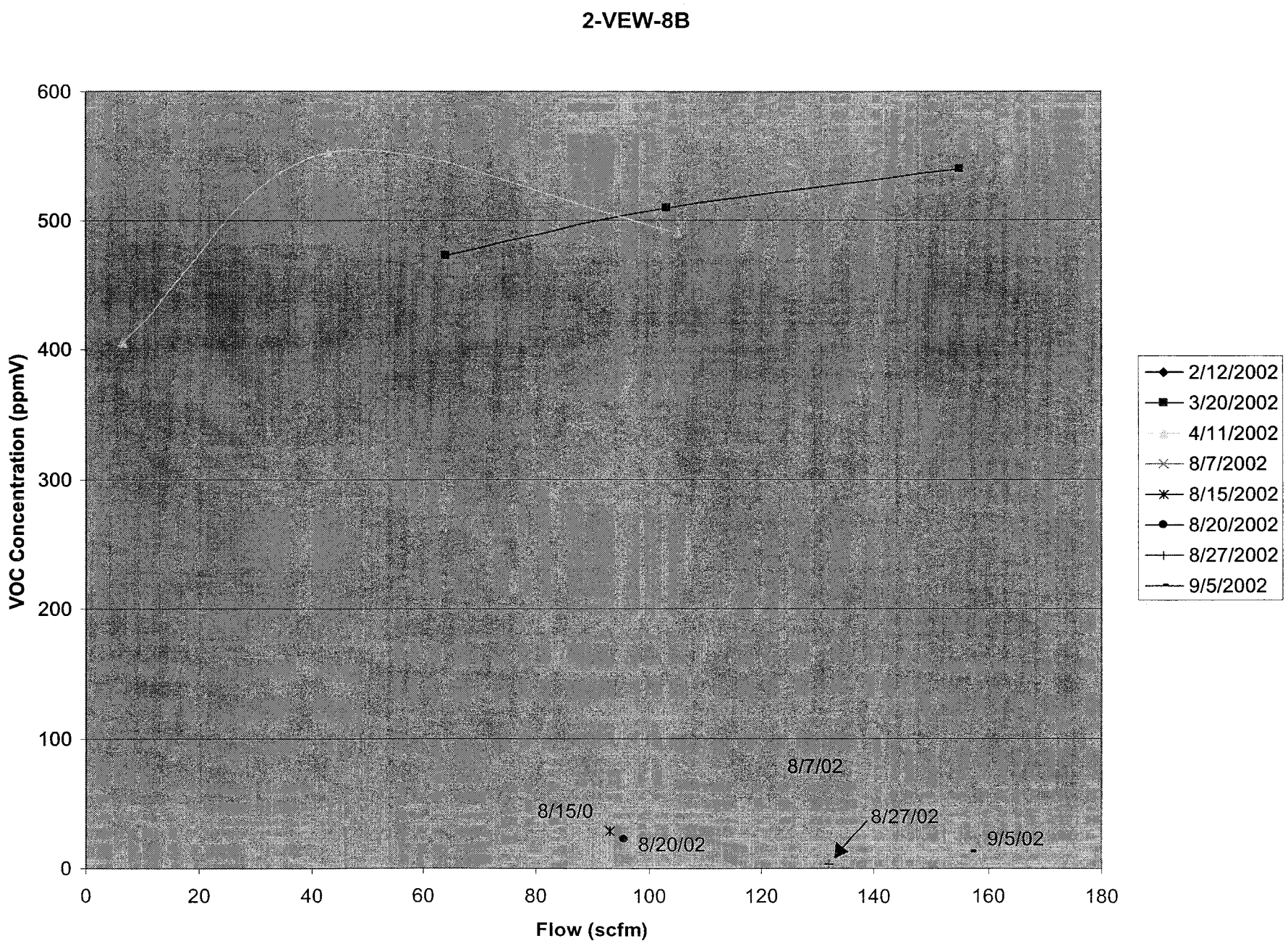


BOE-C6-0130677

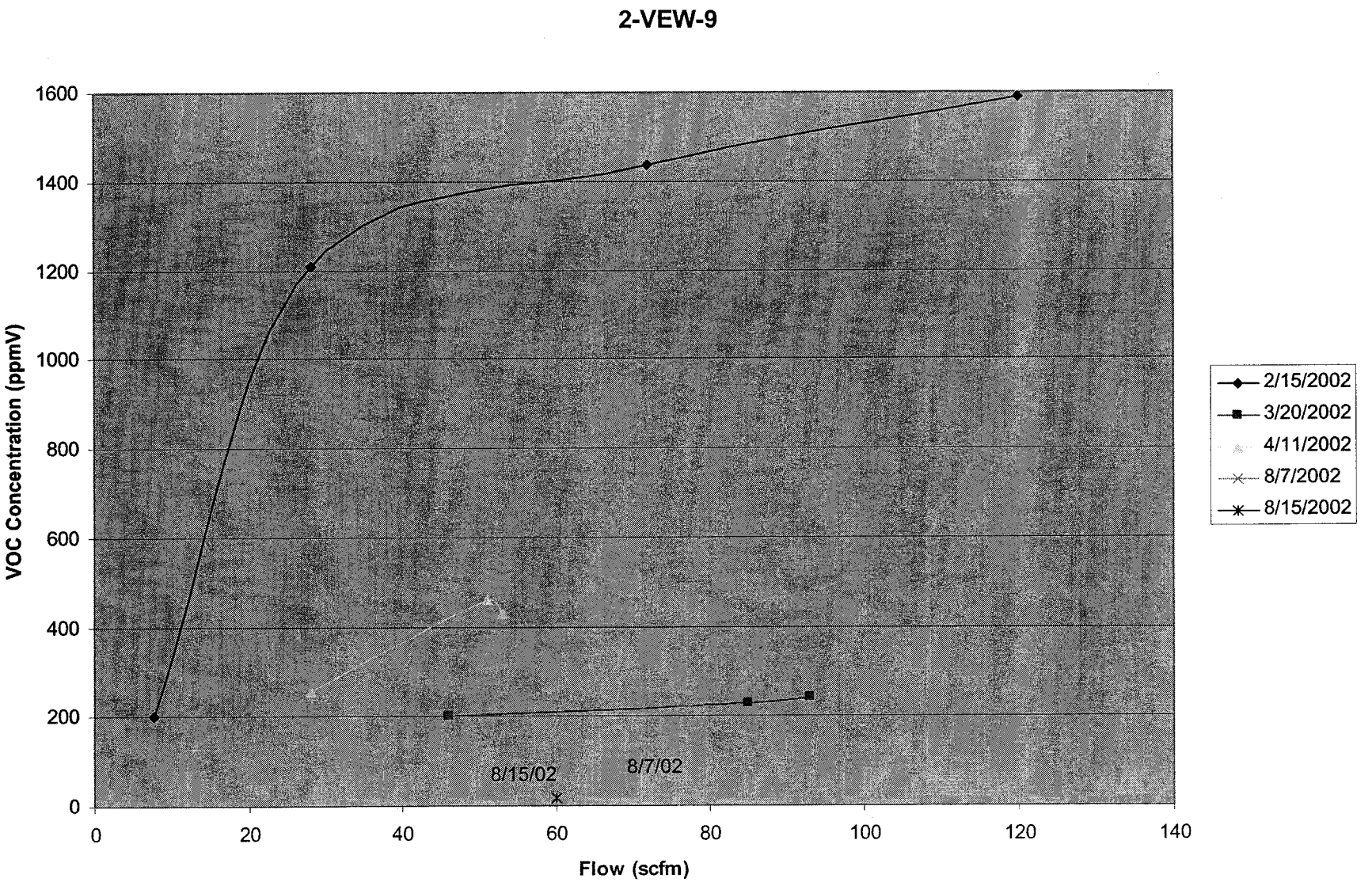

2-VEW-7B
VOC Concentration (ppmV)
1800
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
160
Flow (scfm)
8/15/02
8/7/02
2/12/2002
3/20/2002
4/11/2002
8/7/2002
8/15/2002

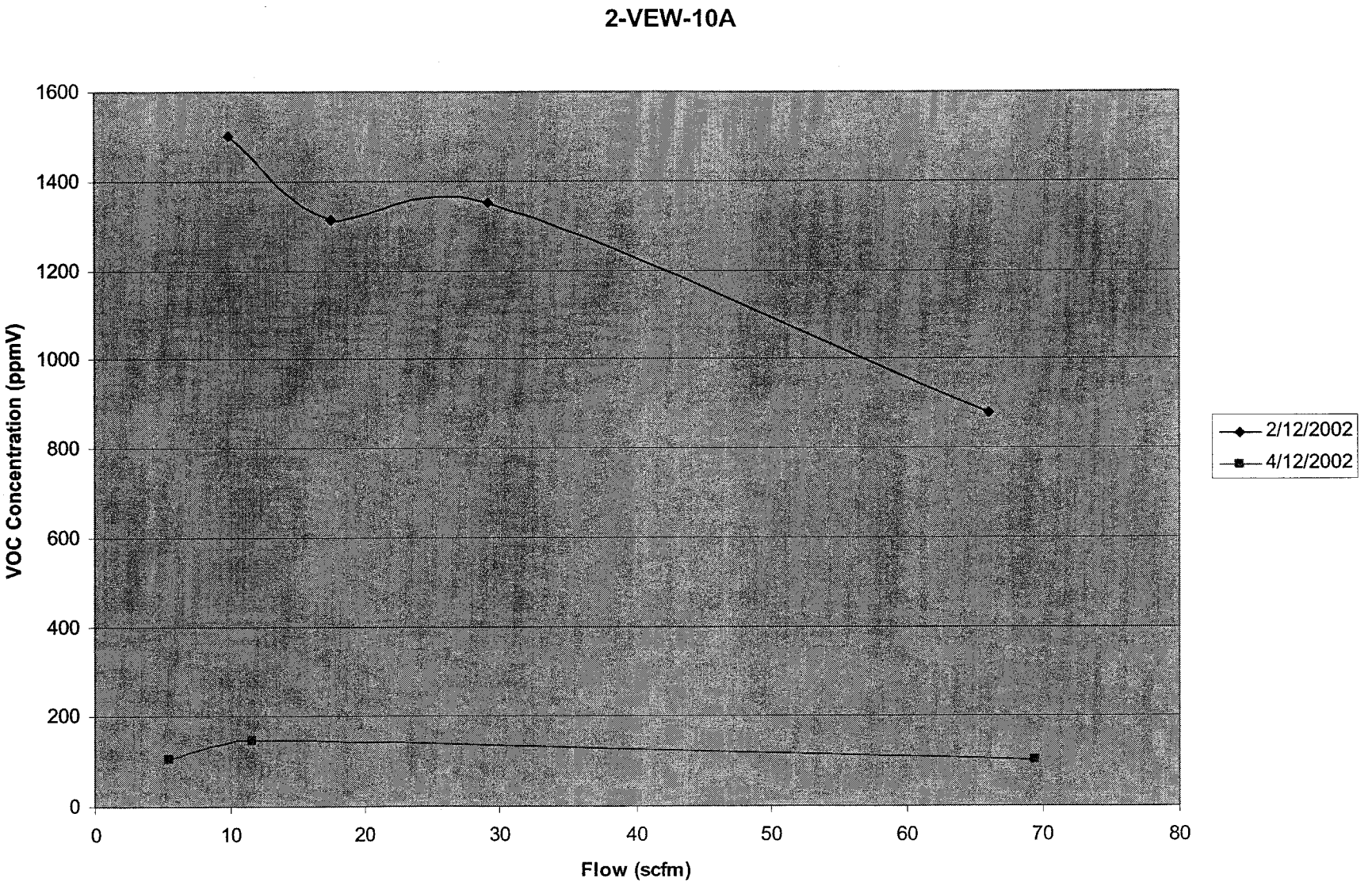
2-VEW-8A

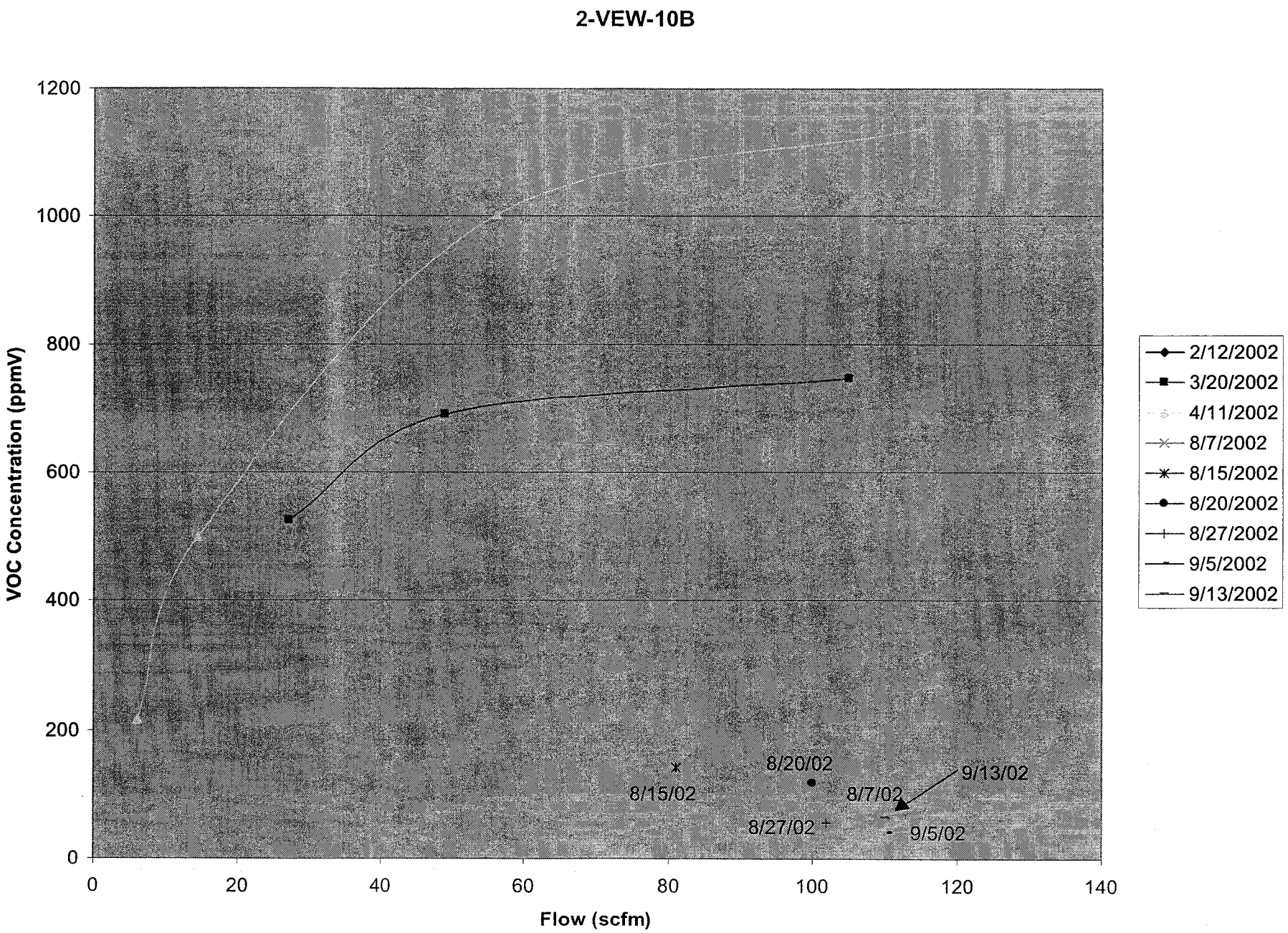

VOC Concentration (ppmV)
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
16
18
20
Flow (scfm)
2/8/2002
4/11/2002

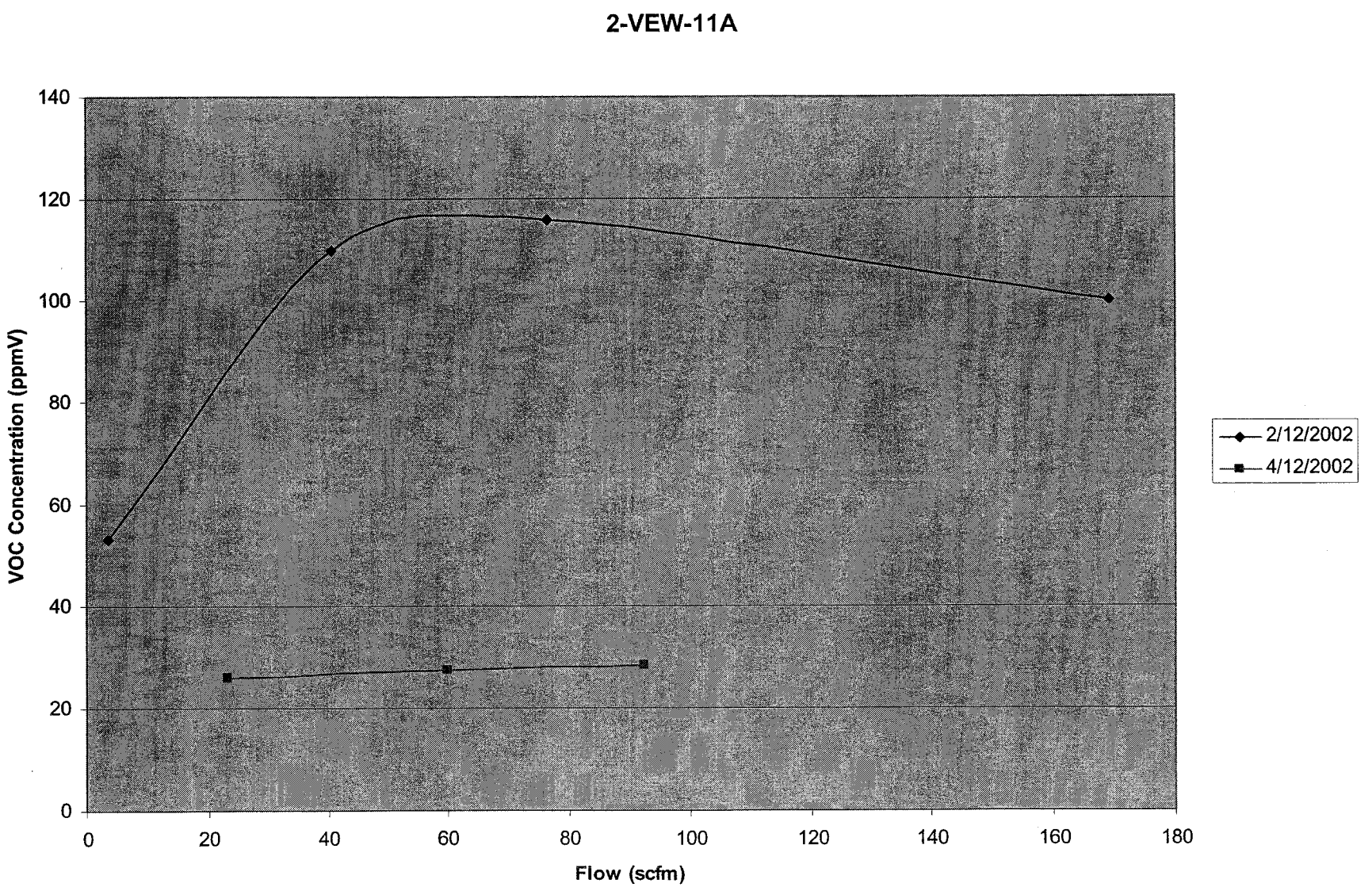


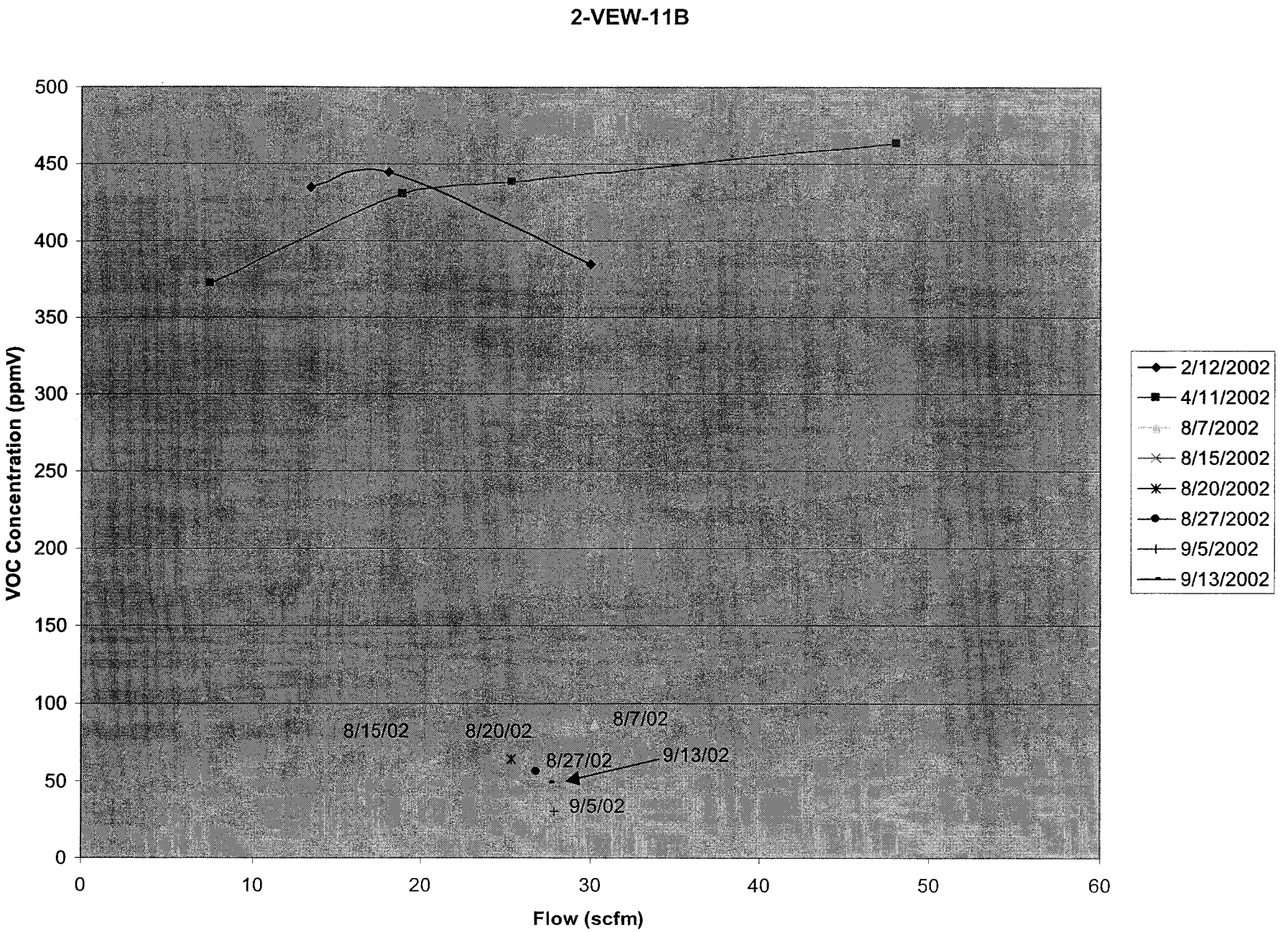
BOE-C6-0130680


2-VEW-9
VOC Concentration (ppmV)
1600
1400
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
Flow (scfm)
8/15/02
8/7/02
2/15/2002
3/20/2002
4/11/2002
8/7/2002
8/15/2002

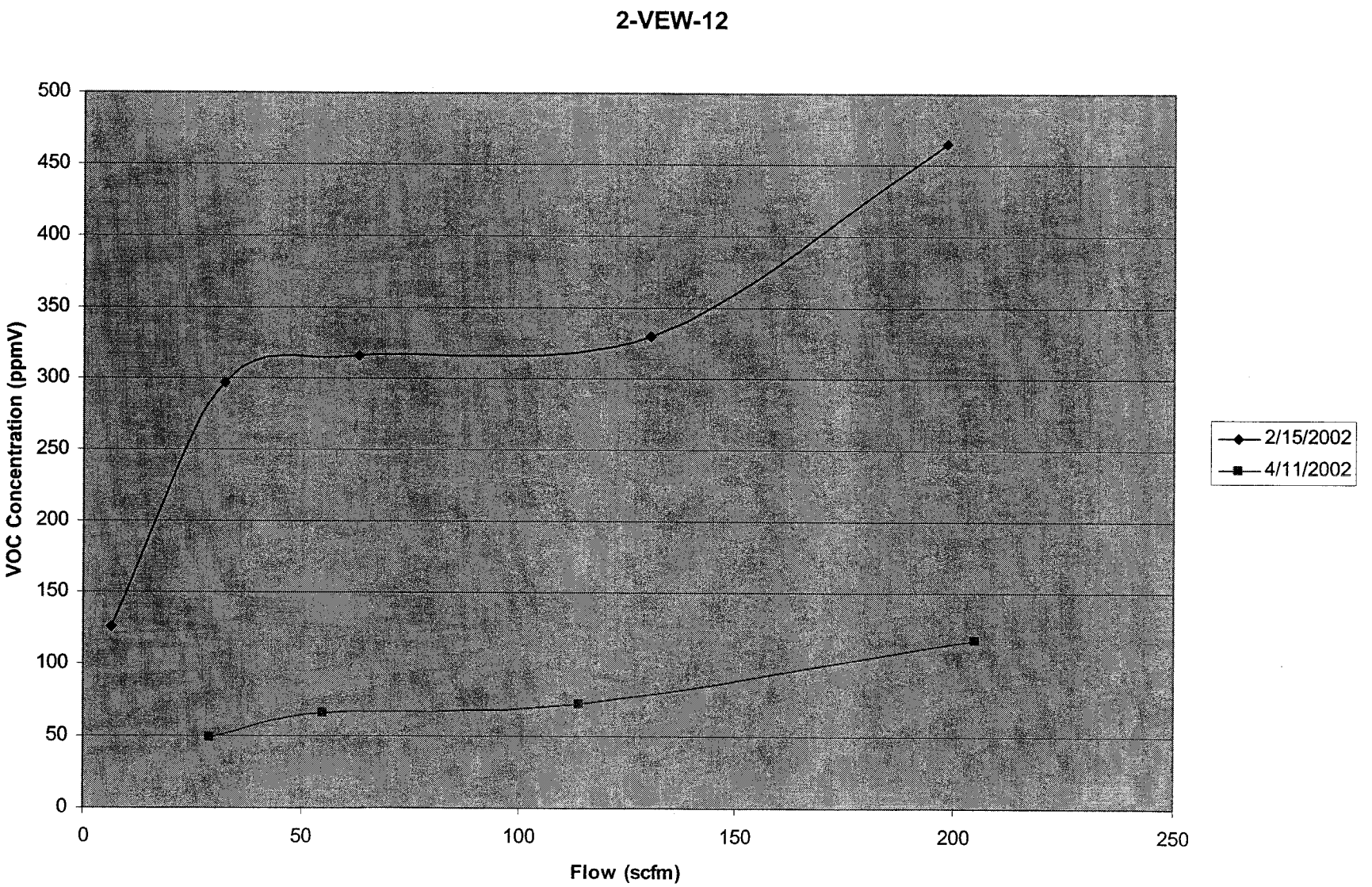

2-VEW-10A
VOC Concentration (ppmV)
1600
1400
1200
1000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
Flow (scfm)
2/12/2002
4/12/2002


2-VEW-10B
VOC Concentration (ppmV)
Flow (scfm)
0
200
400
600
800
1000
1200
0
20
40
60
80
100
120
140
8/15/02
8/20/02
8/7/02
9/13/02
8/27/02
9/5/02
2/12/2002
3/20/2002
4/11/2002
8/7/2002
8/15/2002
8/20/2002
8/27/2002
9/5/2002
9/13/2002

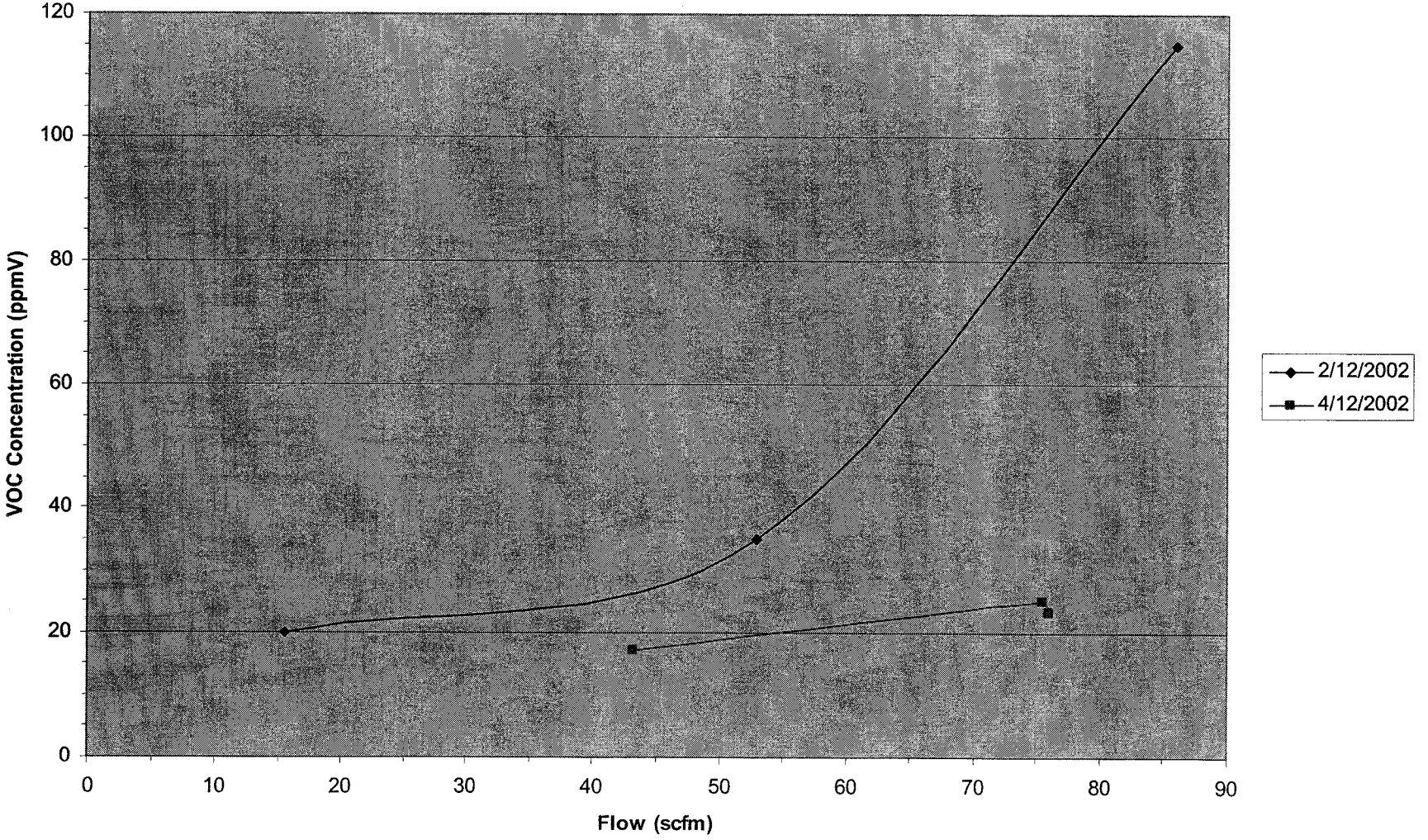

2-VEW-11A
VOC Concentration (ppmV)
Flow (scfm)
0
20
40
60
80
100
120
140
160
180
2/12/2002
4/12/2002

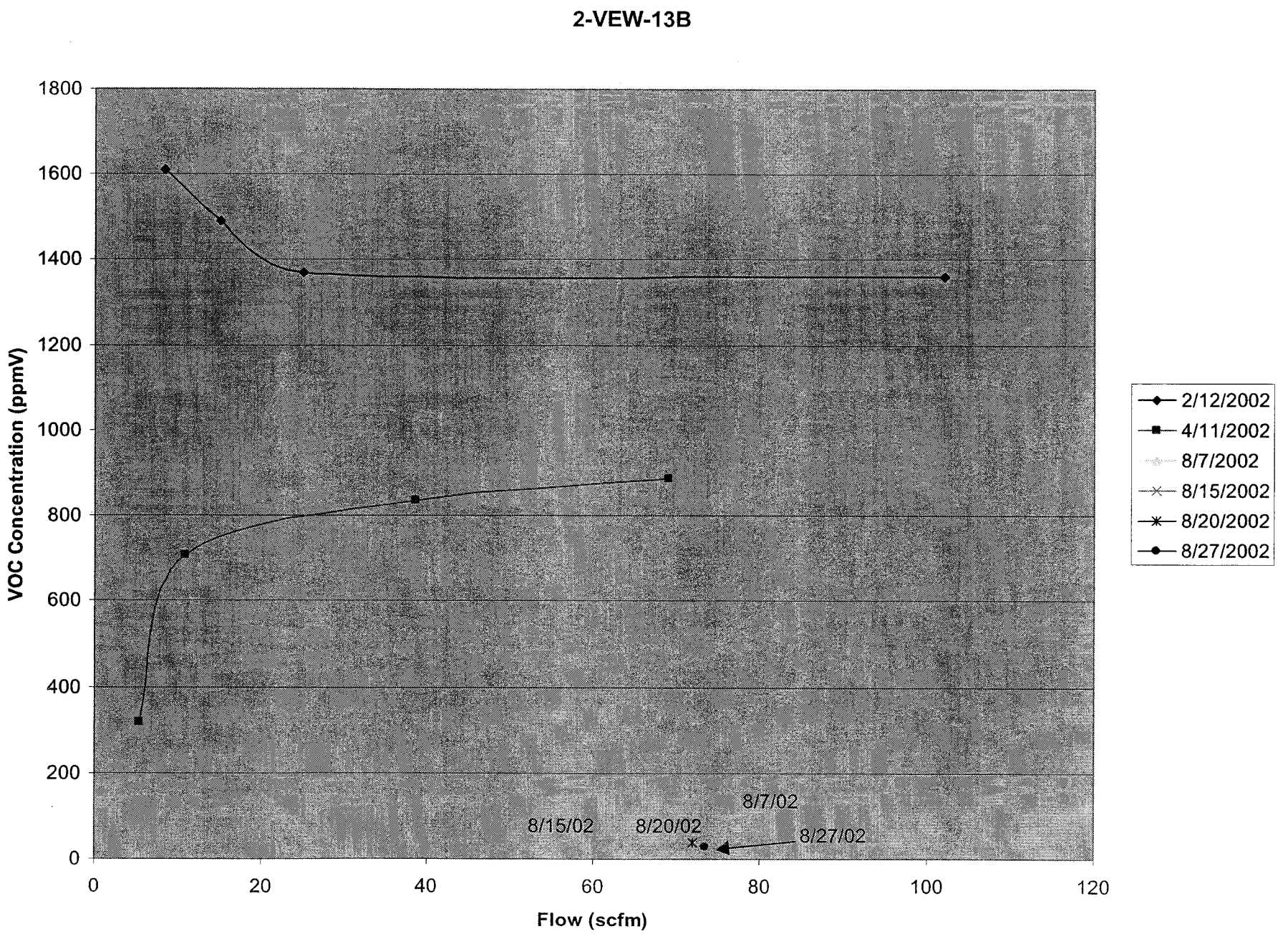


BOE-C6-0130685


2-VEW-12
VOC Concentration (ppmV)
500
450
400
350
300
250
200
150
100
50
0
0
50
100
150
200
250
Flow (scfm)
2/15/2002
4/11/2002

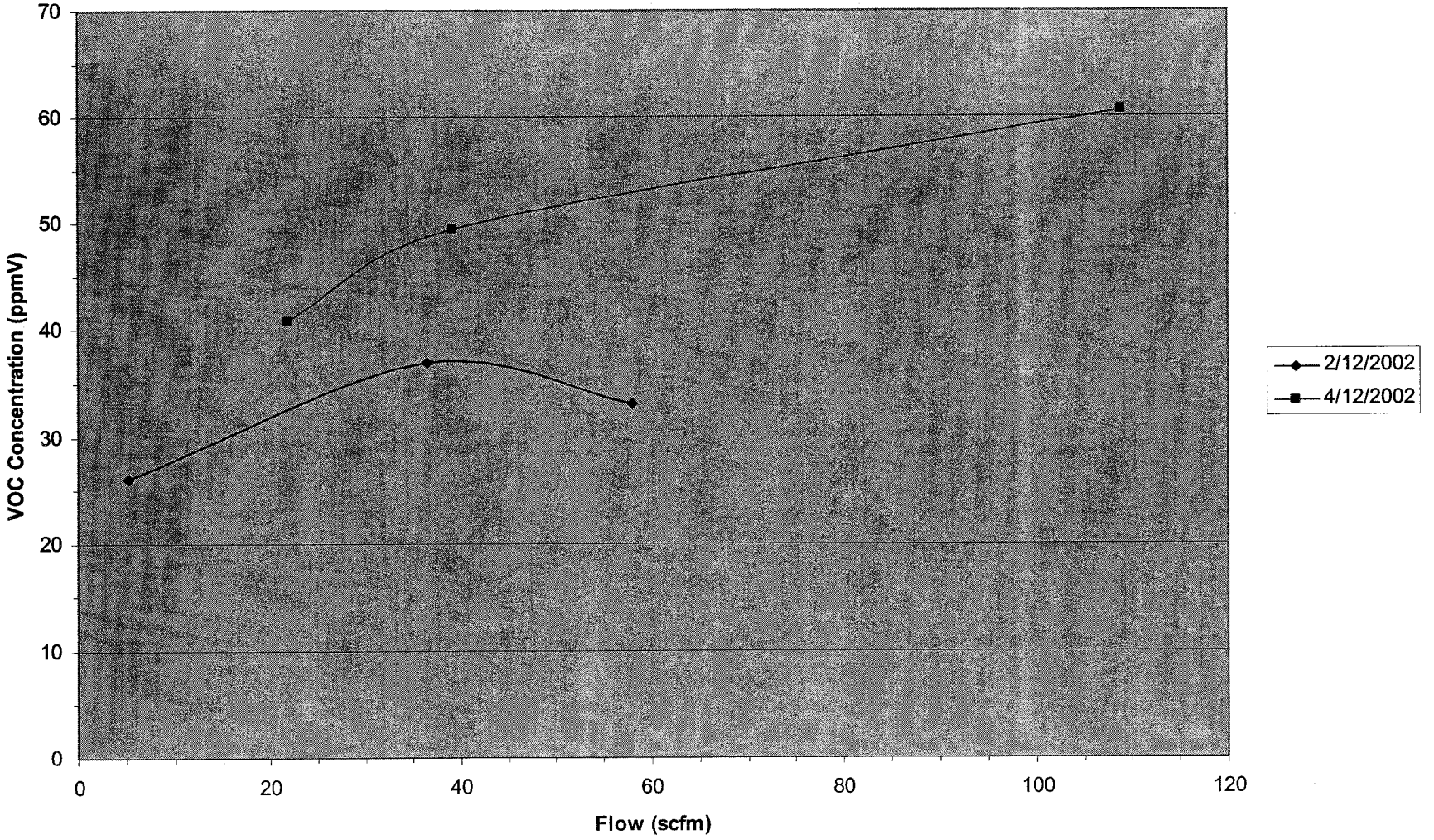
2-VEW-13A


VOC Concentration (ppmV)
120
100
80
60
40
20
0
0
10
20
30
40
50
60
70
80
90
Flow (scfm)
2/12/2002
4/12/2002

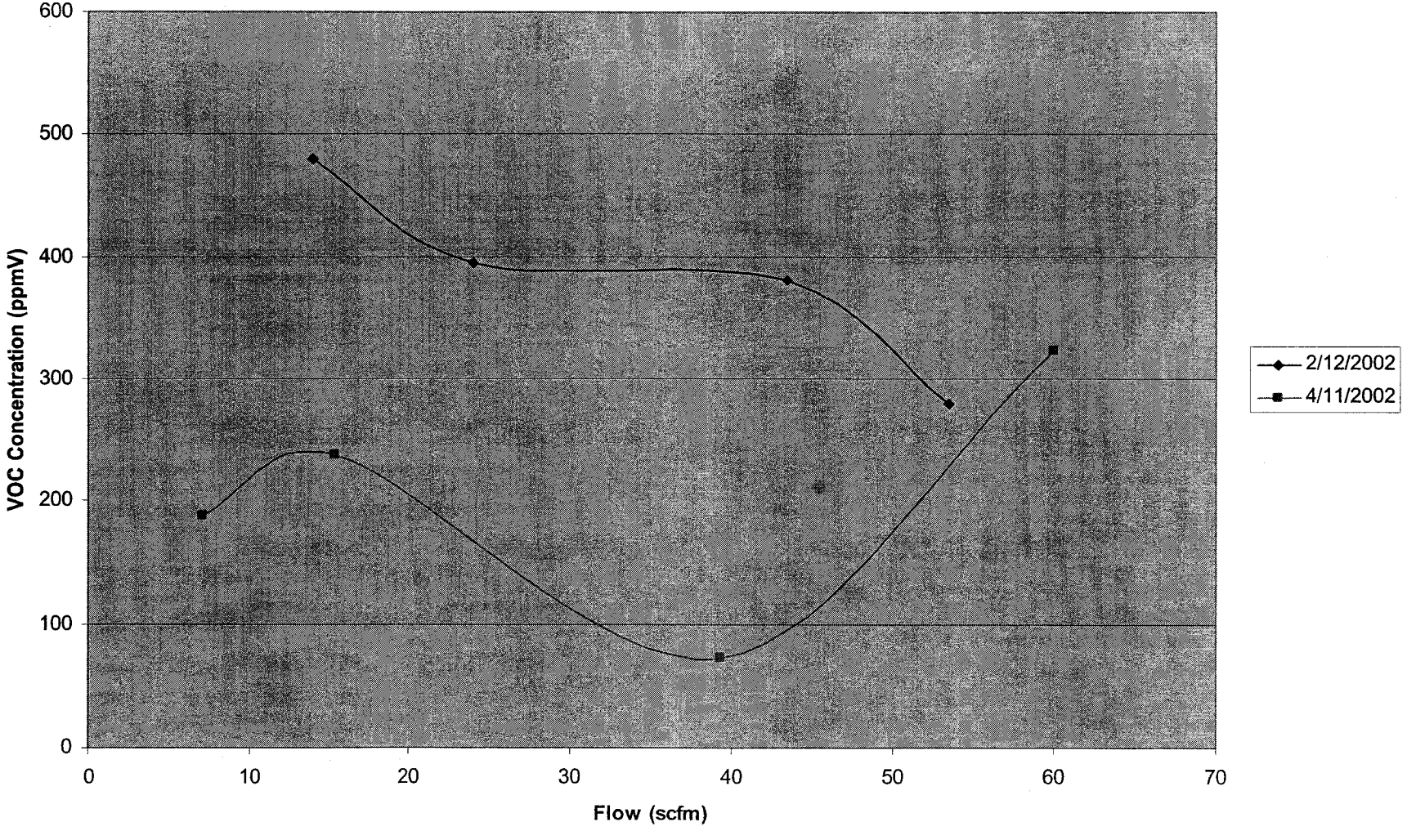


BOE-C6-0130688

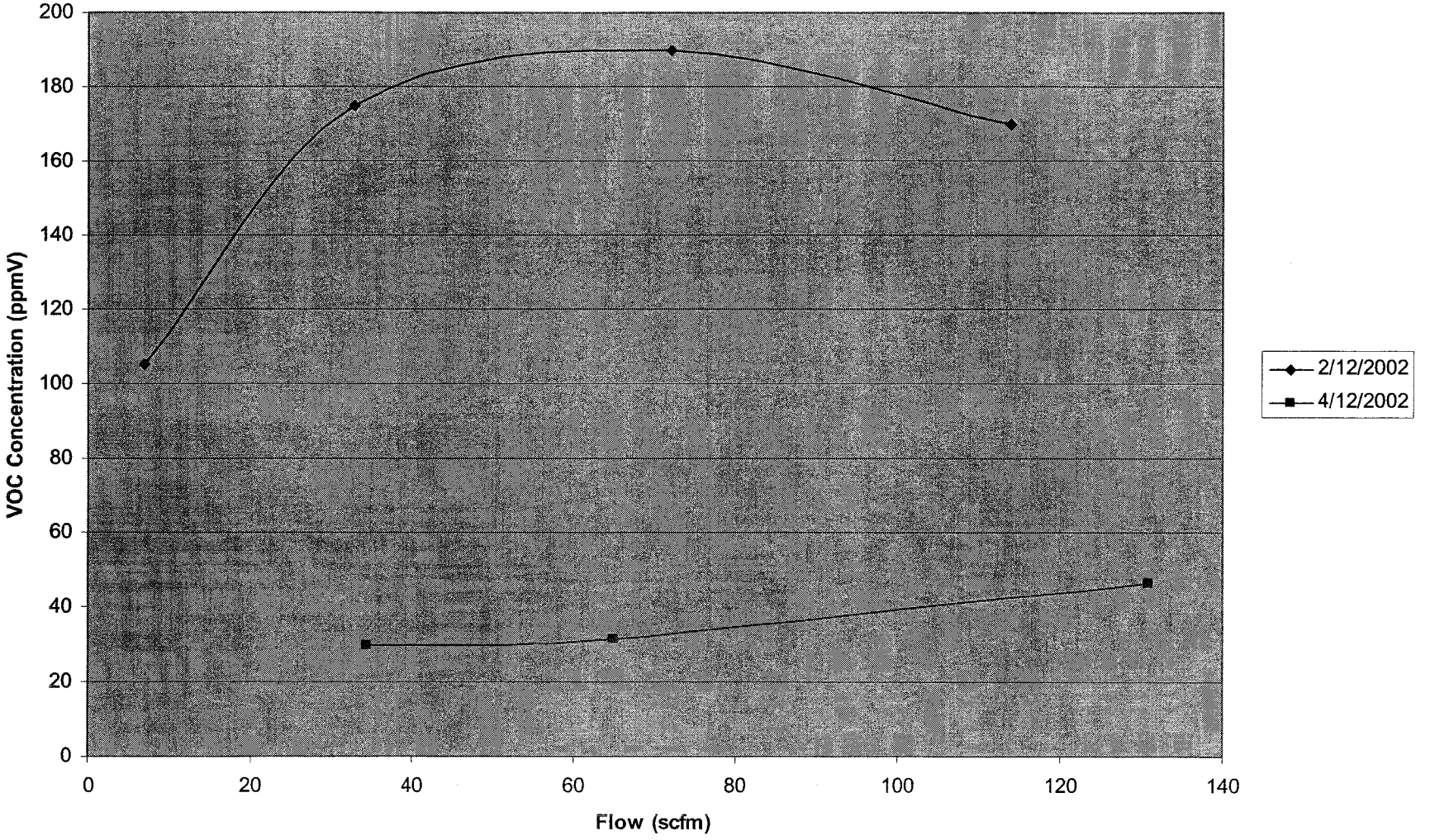
2-VEW-14A


70
60
50
40
30
20
10
0
VOC Concentration (ppmV)
0
20
40
60
80
100
120
Flow (scfm)
2/12/2002
4/12/2002

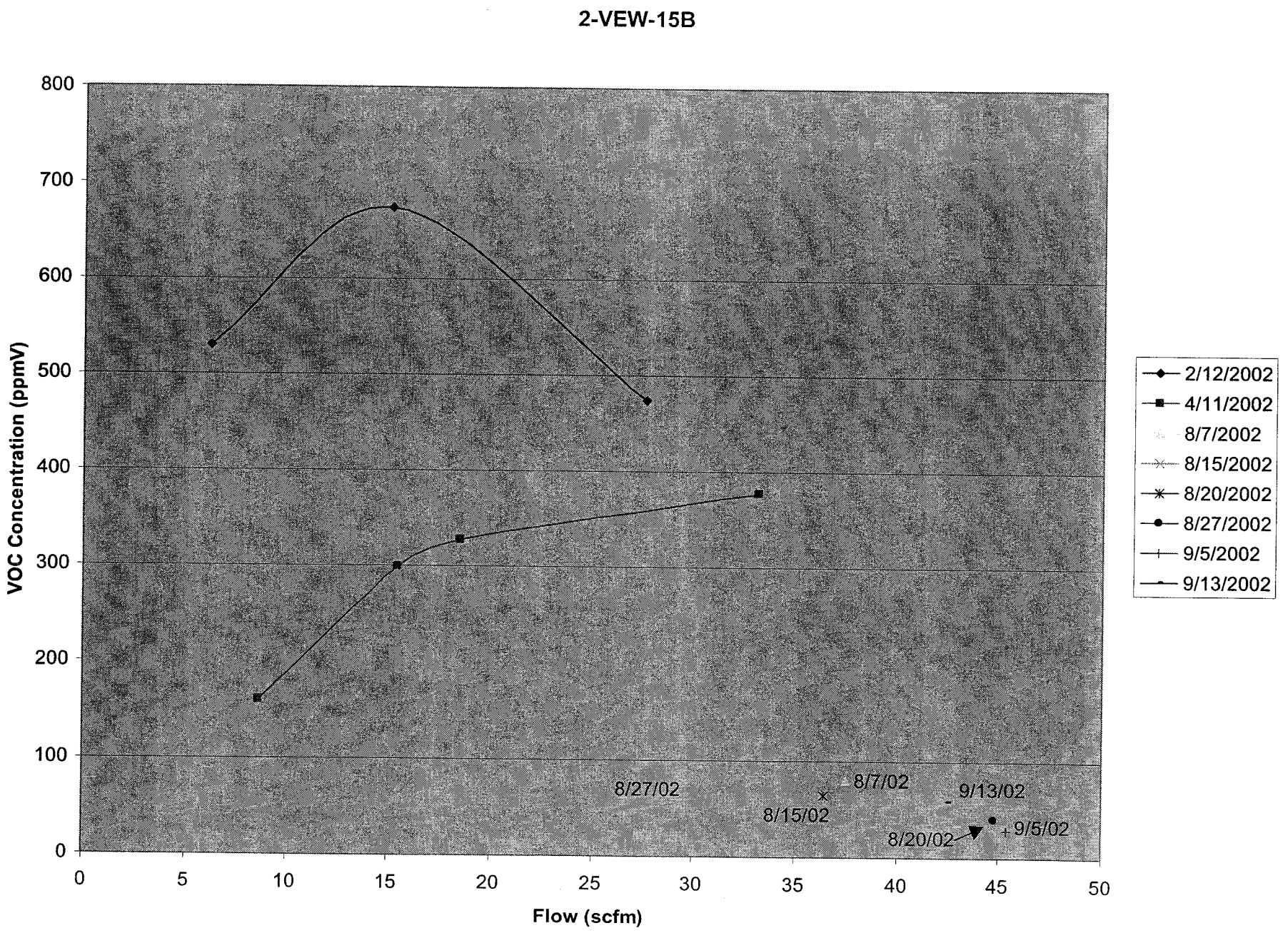
2-VEW-14B


600
500
400
300
200
100
0
VOC Concentration (ppmV)
0
10
20
30
40
50
60
70
Flow (scfm)
2/12/2002
4/11/2002

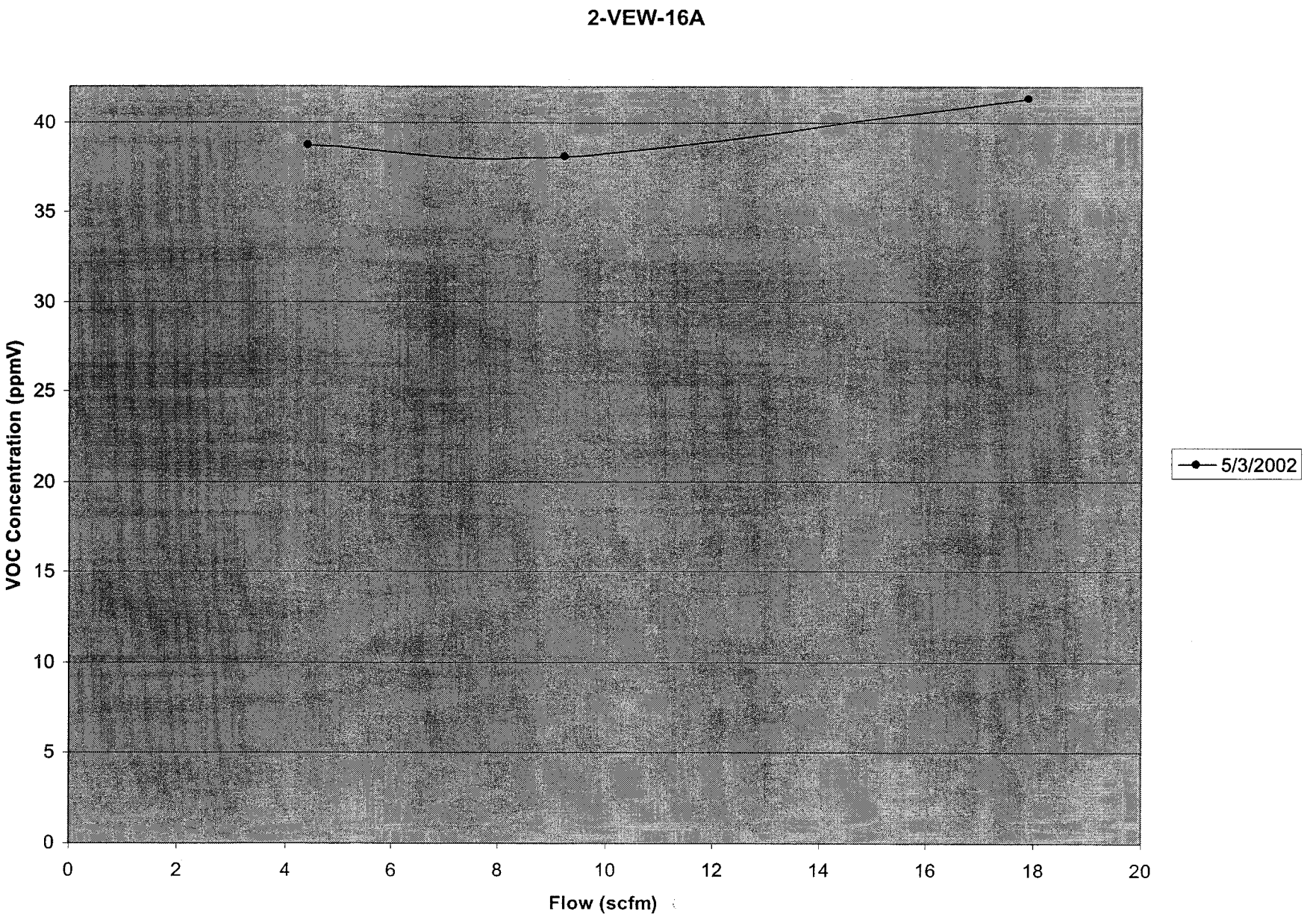
2-VEW-15A

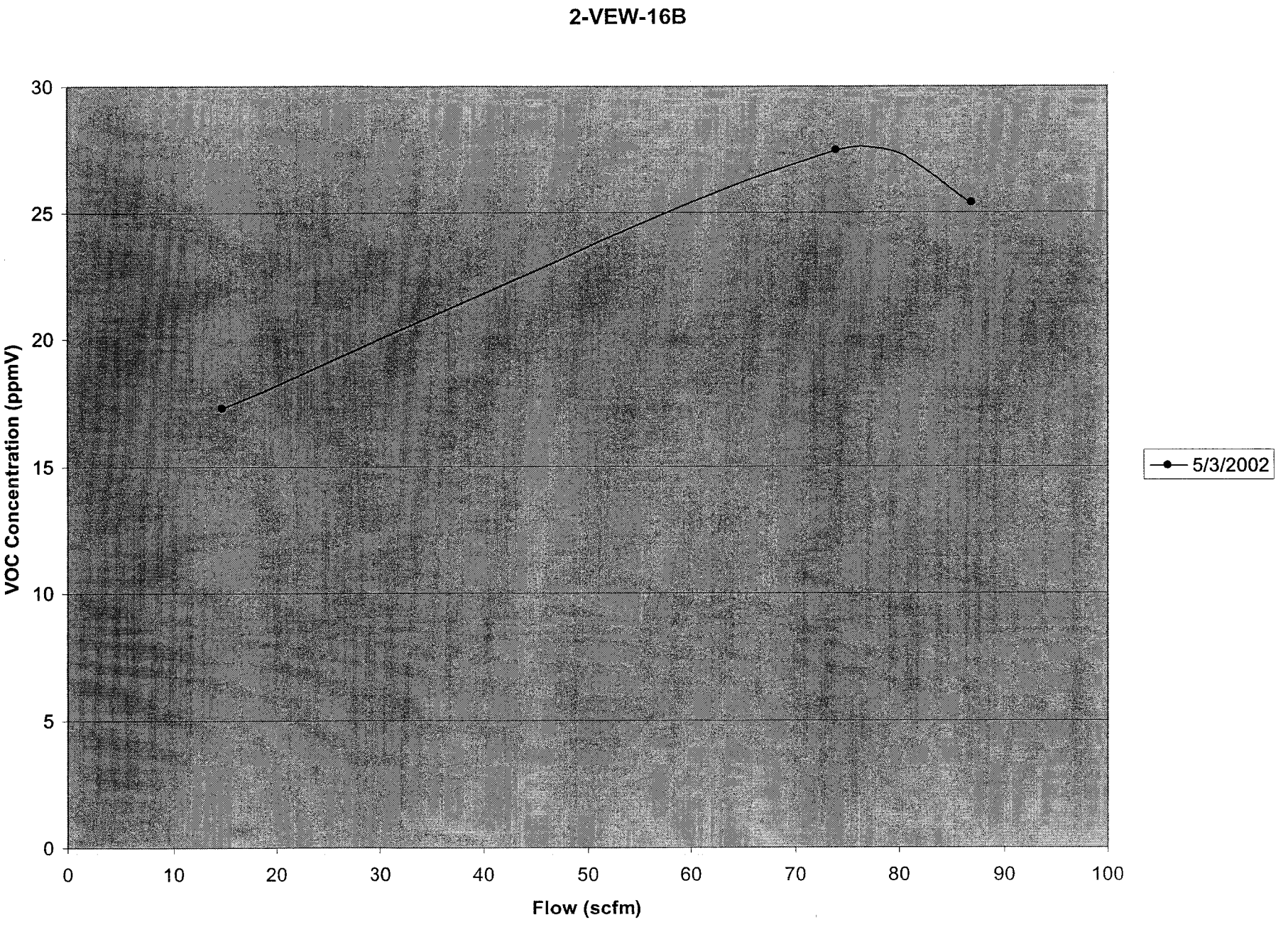


BOE-C6-0130691

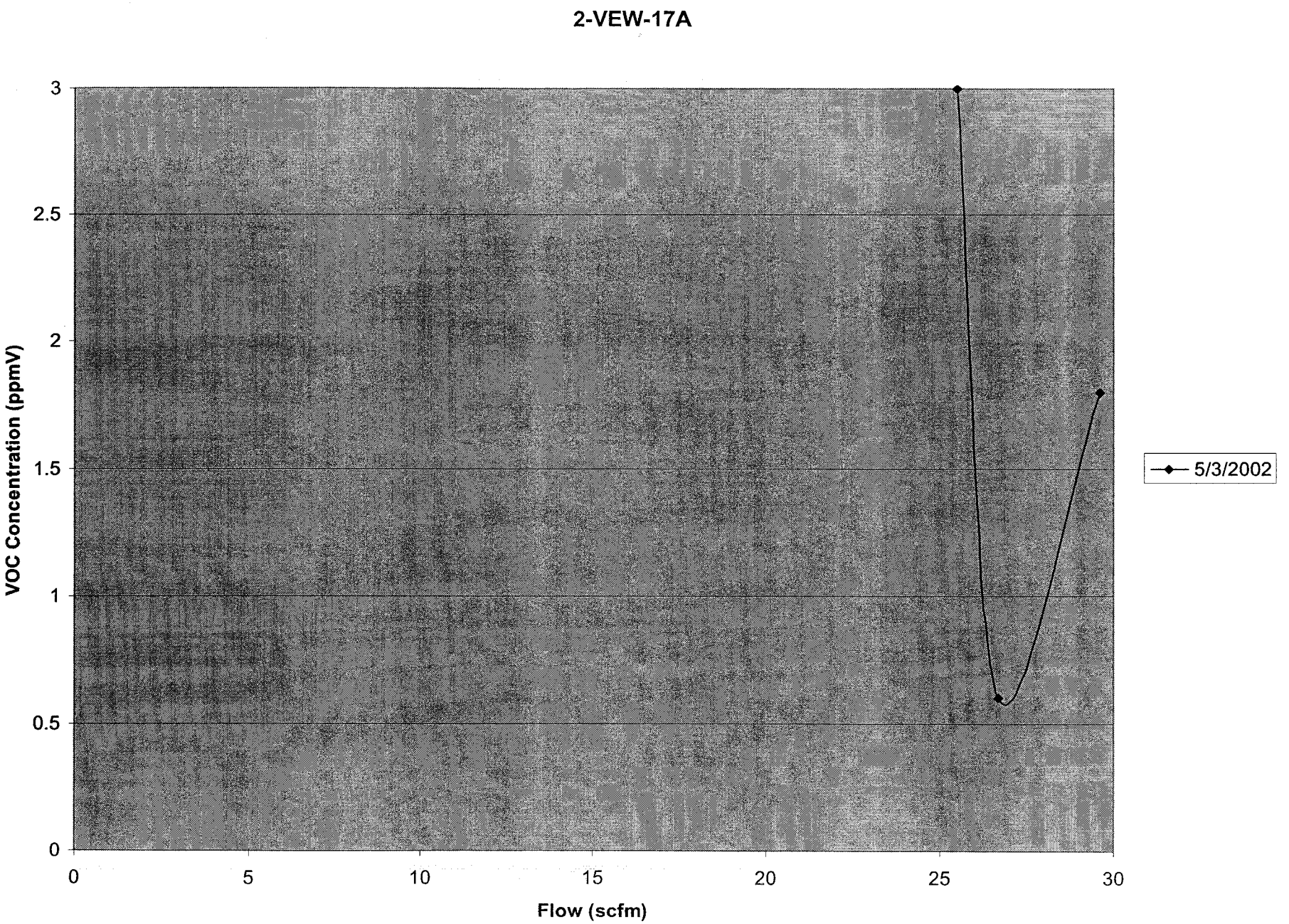


BOE-C6-0130692

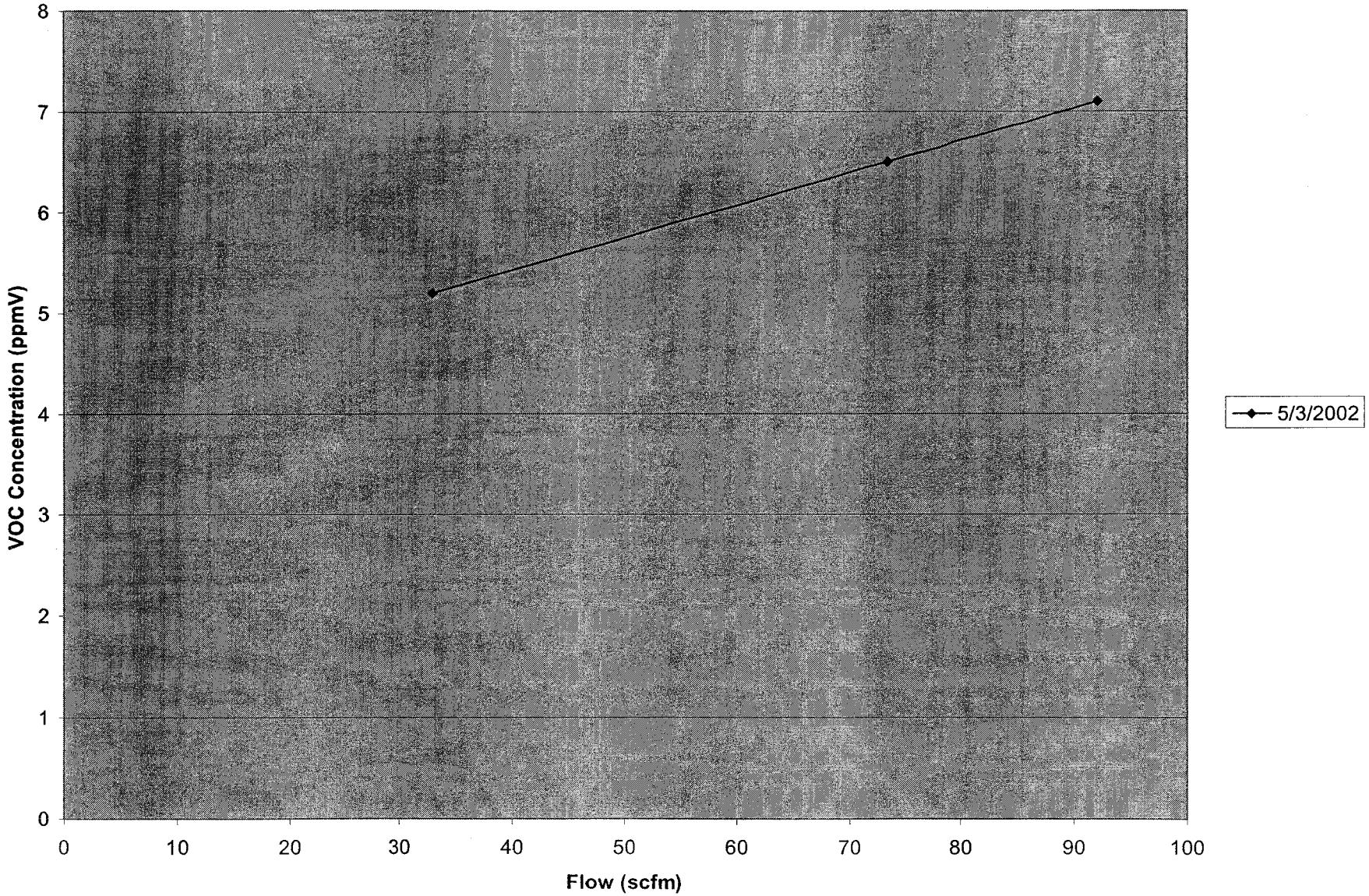

2-VEW-16A
VOC Concentration (ppmV)
40
35
30
25
20
15
10
5
0
0
2
4
6
8
10
12
14
16
18
20
Flow (scfm)
5/3/2002

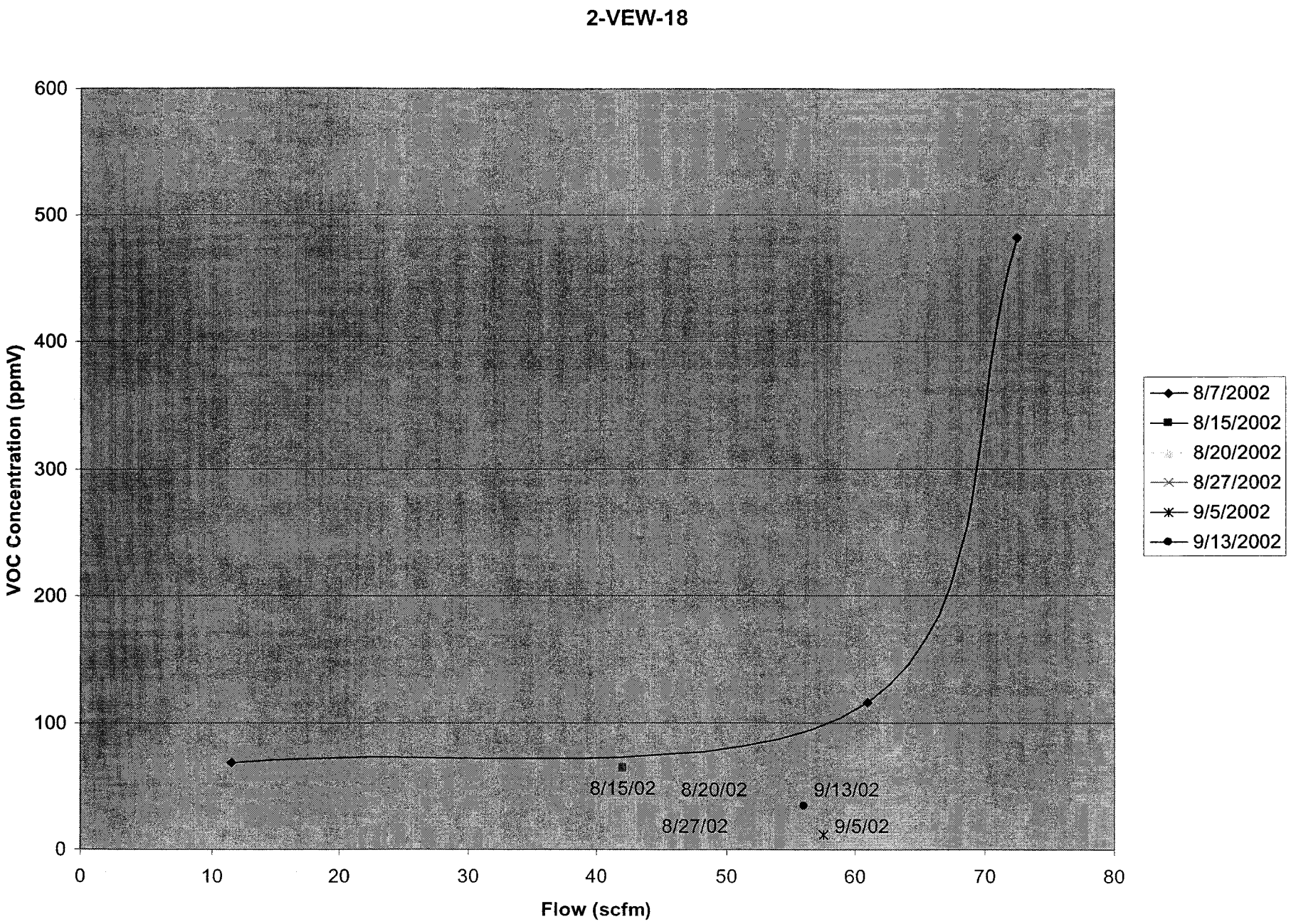


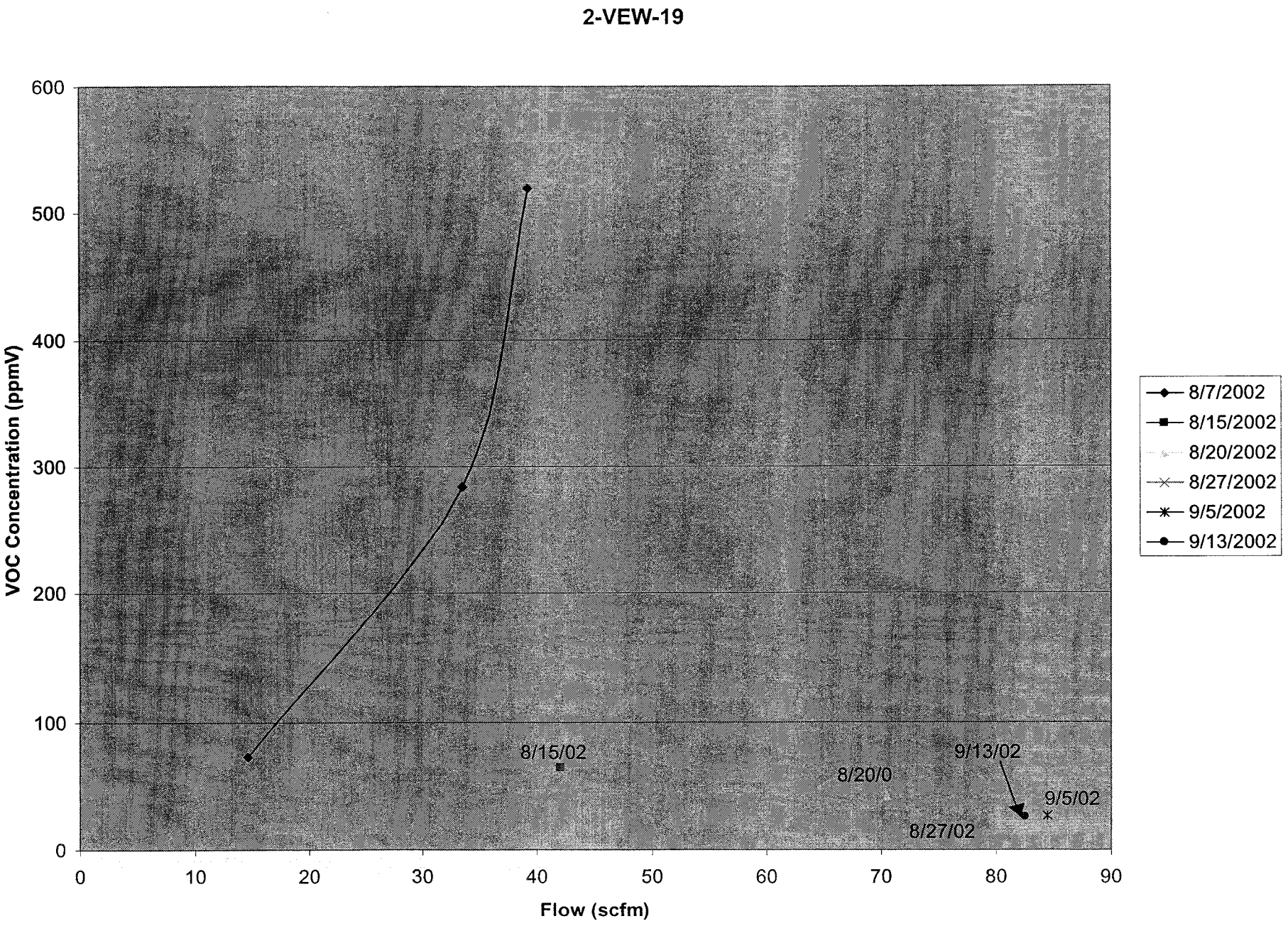
BOE-C6-0130694

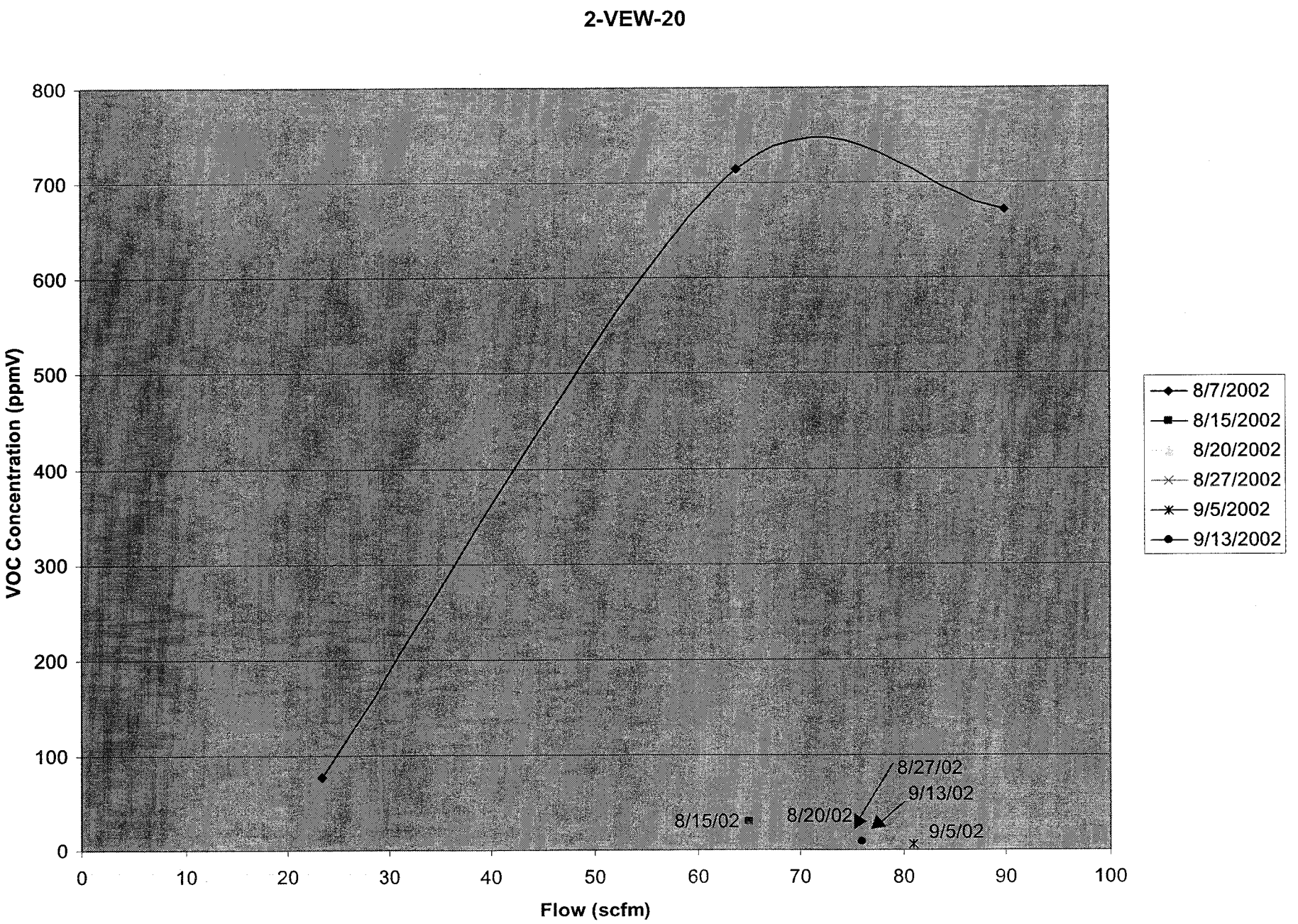

2-VEW-17A
VOC Concentration (ppmV)
3
2.5
2
1.5
1
0.5
0
0
5
10
15
20
25
30
Flow (scfm)
5/3/2002

2-VEW-17B


VOC Concentration (ppmV)
0
1
2
3
4
5
6
7
8
0
10
20
30
40
50
60
70
80
90
100
Flow (scfm)
5/3/2002


2-VEW-18
VOC Concentration (ppmV)
600
500
400
300
200
100
0
0
10
20
30
40
50
60
70
80
Flow (scfm)
8/15/02
8/20/02
8/27/02
9/13/02
9/5/02
8/7/2002
8/15/2002
8/20/2002
8/27/2002
9/5/2002
9/13/2002


2-VEW-19
VOC Concentration (ppmV)
Flow (scfm)
0
100
200
300
400
500
600
0
10
20
30
40
50
60
70
80
90
8/15/02
8/20/0
9/13/02
9/5/02
8/27/02
8/7/2002
8/15/2002
8/20/2002
8/27/2002
9/5/2002
9/13/2002



BOE-C6-0130699