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April 13, 2012

Penny Reddy
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San Francisco, CA 94105

Subject: **2011 Annual Progress Report - Regional Groundwater Remediation Program**
Middlefield-Ellis-Whisman ("MEW") Area
Mountain View, California

Dear Ms. Reddy:

Attached please find the 2011 Annual Progress Report for the Regional Groundwater Remediation Program (RGRP), prepared by Geosyntec Consultants on behalf of Schlumberger Technology Corporation, the Project Coordinator for the MEW Area RGRP.

This annual progress report is being submitted in accordance with U.S. Environmental Protection Agency (EPA) Section XV of the Administrative Order for Remedial Design and Remedial Action (106 Order).

If you have any questions regarding this 2011 Annual Progress Report, please feel free to call me.

Very truly yours,

V. COCIANNI

Virgilio Cocianni
Remediation Manager

Attachment

CC: MEW Distribution List

Prepared for

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Sugar Land, Texas 77478

2011 ANNUAL PROGRESS REPORT

MIDDLEFIELD-ELLIS-WHISMAN REGIONAL GROUNDWATER REMEDIATION PROGRAM

MOUNTAIN VIEW, CALIFORNIA

Prepared by

Geosyntec consultants
engineers | scientists | innovators

1111 Broadway, 6th Floor
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Project Number WR1128

13 April 2012

2011 Annual Progress Report
Middlefield-Ellis-Whisman
Regional Groundwater Remediation Program
Mountain View, California

Prepared by

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13 April 2012

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ACRONYMS AND ABBREVIATIONS

106 Order	Section 106 Unilateral Administrative Order for Remedial Design and Remedial Action
bgs	below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
cm/sec	centimeter per second
EPA	Environmental Protection Agency
FFA	Federal Facilities Agreement
former Building 18	644 National Avenue
GAC	granular activated carbon
gpm	gallons per minute
GETS	groundwater extraction and treatment system
GWFS	groundwater feasibility study
µg/L	micrograms per Liter
$\mu g/m^3$	micrograms per cubic meter
K	hydraulic conductivity
MEW	Middlefield-Ellis-Whisman
mg/kg	milligram per kilogram
MNA	Monitored natural attenuation
NAS	Naval Air Station
NASA	National Aeronautics and Space Administration
North of 101	RGRP Treatment System at Corner of Wescoat Road and McCord Avenue, Moffett Field
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
O&M	operation and maintenance
ppb	parts per billion
ppm	parts per million
PCE	tetrachloroethene
PLC	programmable logic control

PRPs	potentially responsible parties
QA/QC	quality analysis and quality control
RGRP	Regional Groundwater Remediation Program
ROD	Record of Decision
RRWs	regional recovery wells
SCADA	supervisory control and data acquisition
SCVWD	Santa Clara Valley Water District
SCRWs	source control recovery wells
SMP	settlement measurement point
South of 101	RGRP Treatment System at 644 National Avenue
TCE	trichloroethylene
VOCs	volatile organic compounds
VPC	vapor phase carbon
VC	vinyl chloride
Water Board	California Regional Water Quality Control Board, San Francisco Bay Region
WDRs	Waste Discharge Requirements

1. INTRODUCTION

This 2011 Annual Progress Report was prepared at the direction of Schlumberger Technology Corporation, the Project Coordinator for the Middlefield-Ellis-Whisman (MEW) Regional Groundwater Remediation Program (RGRP). The progress report was prepared by Geosyntec Consultants (Geosyntec) with assistance from Weiss Associates.

The progress report, summarizing MEW RGRP activities from 1 January through 31 December 2011, is being submitted to United States Environmental Protection Agency (EPA) in accordance with:

- Section XV of the 1990 Administrative Order for Remedial Design and Remedial Action issued by EPA (106 Order);
- Section XI of the Consent Decree entered in Action No. 20275 (N.D. Cal.) in 1992 (Consent Decree); and
- EPA correspondence prescribing annual report contents (EPA, 2005 and EPA, 2011a)

The 106 Order and Consent Decree responded to the presence of volatile organic compounds (VOCs) in soil and groundwater.

1.1 <u>Site Background</u>

The MEW study area, located in Mountain View, California (Figure 1), encompasses an approximately 1 square mile area, bisected by Interstate Highway 101 (Figure 2). South of Highway 101, the MEW Study Area includes three National Priority List (NPL) sites (Fairchild Semiconductor Corp. - Mountain View Superfund Site; Intel Corp. - Mountain View Superfund Site; and, Raytheon Company Superfund Site) and several non-Superfund sites within an approximately 100-acre area bounded by Middlefield Road on the south, Ellis Street on the east, Whisman Road on the west, and Highway 101 on the north. North of Highway 101, the MEW study area extends across portions of Former Naval Air Station (NAS) Moffett Field and the National Aeronautics and Space Administration (NASA) Ames Research Center and includes the Moffett Field Superfund Site.

Remedial actions for the MEW study area are specified in a 1989 Record of Decision (ROD) issued by the EPA and two subsequent Explanations of Significant Difference (EPA, 1989, 1990, 1996). The primary constituents of concern at the Site are trichloroethene (TCE) and its breakdown products, cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride (VC).

As specified in the ROD, groundwater cleanup included initial actions (completed) and the current long-term remedial phase (EPA, 1989).[1]

The VOCs addressed in the MEW ROD are assigned to both facility-specific and regional responsibilities. Each MEW Company is responsible for investigation, remediation, and source control for VOCs in soil and groundwater at their facility-specific properties south of Highway 101. The MEW Companies are jointly responsible, through the RGRP, for remediation of VOCs in groundwater that is not being captured by the facility-specific source control systems or that cannot be attributed to a single source (EPA, 2004). The MEW Companies are:

- **106 Order**: Fairchild Semiconductor Corporation, Schlumberger Technology Corporation, NEC Electronics Inc. (NEC), Sumitomo Mitsubishi Silicon America (SUMCO, formerly Siltec Corporation), SMI Holding LLC (SMI), Vishay General Semiconductor (Vishay, formerly General Instrument Corporation), National Semiconductor Corporation, Tracor X-Ray, and Union Carbide (now known as Dow Chemical Company). National Semiconductor Corporation, Tracor X-Ray, and Union Carbide are not involved with the active investigation and cleanup of the MEW Site (EPA, 2004).
- **Consent Decree**: Raytheon Company, Intel Corporation.

Responsibility for VOCs in groundwater north of Highway 101 is allocated between the MEW RGRP, Navy, and NASA. Navy is regulated by EPA under a Federal Facilities Agreement (FFA).

[1] The soil cleanup goals have been met at all of the MEW Companies' properties (EPA, 2004).

1.2 Local Hydrology

The MEW study area is located in the Santa Clara Valley Groundwater Sub-basin, the northernmost of three interconnected groundwater basins within Santa Clara County (SCVWD, 2001). The groundwater flow direction is northerly, toward San Francisco Bay, and generally sub-parallel to the ground slope.

The MEW study area lies within the northern portion of the sub-basin, where the hydrostratigraphy is divided into upper and lower water-bearing zones, separated by an extensive regional aquitard (SCVWD, 1989).

The upper water-bearing zone is subdivided into two water-bearing zones: the A Zone (roughly between 20 and 45 feet below ground surface [bgs]) and the B Zone (roughly between 50 and 160 feet bgs), which are separated by the A/B Aquitard. The B Zone is subdivided into three zones (B1, B2, and B3 Zones). The A/B Aquitard appears to be laterally continuous across the study area south of Highway 101, but may be discontinuous north of the highway (Tetra Tech FW, 2005).

The lower water-bearing zone occurs below a depth of about 200 feet bgs. The lower water bearing zone is subdivided into the C Zone (which extends to about 240 feet bgs) and the Deep Zone. The aquitard separating the upper and lower water-bearing zones is represented as the B/C Aquitard and is the major confining layer beneath the Site.

The water-bearing zones are summarized below.

Water-Bearing Zones	**Approximate Depth Interval Below Ground Surface**
A[1]	20-45 feet
B1[2]	50-75 feet
B2	75-110 feet
B3	120-160 feet
C	200-240 feet
Deep	>240 feet

[1] The Navy and NASA refer to this zone as A1 north of Highway 101.
[2] The Navy and NASA refer to this zone as A2 north of Highway 101.

The following table summarizes the estimated ranges of hydraulic conductivity, horizontal gradient, saturated thickness, and transmissivity for the A and B Zones.

Water Bearing Zone	Estimated Hydraulic Conductivity (ft/day)		Approximate Horizontal Gradient	Saturated Thickness (ft)	Transmissivity (ft^2/day)	
	Low	High			Low	High
A-zone	6	480	0.004	15	44	4,400
B1-zone	20	260	0.003	25	150	2,600
B2-zone	0.4	5	0.002 to 0.005	35	2	230
B3-zone	0.5	5	0.001 to 0.002	40	5	130

Regionally, groundwater flow is generally toward the north in the A and B Zones under non-pumping conditions. Groundwater flow in the C Zone and Deep Zone is predominantly to the north-northwest. In general, the horizontal gradients are steeper in the southern portion of the Site and flatten to the north as the groundwater approaches San Francisco Bay. Because the MEW study area is near the northern discharge side of the groundwater basin, vertical gradients are generally upward.

Groundwater hydraulic gradients are locally modified by the operation of MEW groundwater recovery wells (both source control and regional recovery wells) and slurry walls, resulting in steeper gradients in the vicinity of pumping wells and overall gradients towards the central core of the MEW study area. Hydraulic capture resulting from the recovery wells is described in Section 2.4.

1.3 Description of Remedy and Summary of Remedial Action

As specified in the ROD, the current RGRP remedy consists of groundwater extraction and treatment. The RGRP groundwater extraction and treatment systems are designed to control and remove VOCs migrating beyond the source control recovery wells (SCRWs) that are operated by the PRPs.

The RGRP remedy is designed to protect local water supplies and to remediate or control groundwater that contains elevated concentrations of chemicals, including control of discharge of such groundwater to surface water. [2, 3] Groundwater cleanup goals are 5 µg/L for TCE in shallow groundwater (A and B Zones) and 0.8 µg/L for TCE in deep groundwater (C and Deep Zones).[4]

The RGRP extraction systems are summarized in Table 3. The regional plume north of Highway 101 is addressed by 15 Regional Recovery Wells (RRWs) that convey groundwater to the North of 101 Treatment System located on the corner of Wescoat Road and McCord Avenue, Moffett Field. The regional plume south of Highway 101 is addressed by ten RRWs that convey groundwater to the South of 101 Treatment System, located at 644 National Avenue, and six RRWs that convey groundwater to Fairchild facility-specific systems.

Effectiveness of the remedy is monitored using a network of RGRP monitoring wells (Tables 1A and 1B) that are currently monitored according to the schedule provided in Table 2. This regional information compliments the facility-specific chemical data and capture zone analyses provided in Annual Progress Reports submitted to the EPA by the individual MEW PRPs, NASA, and the Navy.

The groundwater remedy is operated according to the Operation and Maintenance (O&M) manuals for each system (Locus, 1999, 2000). Treated groundwater is discharged to Stevens Creek in compliance with National Pollutant Discharge Elimination System (NPDES) Permit CAG912003, Order No. R2-2009-0059. As discussed in Section 3.1, the North of 101 groundwater treatment system has a bypass valve that allows treated groundwater to be diverted for reuse by NASA when needed.

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[2] The objectives of the groundwater remedy design are described in the ROD and the Feasibility Study (Canonie, 1988).

[3] The ROD also contains a design objective for vadose soil that has been achieved and is not applicable to the RGRP.

[4] Groundwater cleanup goals are presented in the ROD.

1.4 Summary of 2011 Site Activities and Deliverables

Ongoing site activities include:

- O&M of treatment systems;
- Assessment of remedial progress; and
- Planning for future remedial activities.

Specific site activities and deliverables by month in 2011 are listed below.

February 2011

- 15 February – Submitted to the Water Board the Fourth Quarter and Annual 2010 Self-Monitoring Report under NPDES Discharge Permit No. CAG912003.

March 2011

- 24 March – Semi-annual groundwater elevation measurements in RGRP groundwater monitoring and extraction wells.

May 2011

- 10 May – Submitted to the Water Board the First Quarter 2011 Self-Monitoring Report under NPDES Discharge Permit No. CAG912003.

June 2011

- 15 June – Submitted to the EPA the 2010 Annual Progress Report for the RGRP.

August 2011

- 4 August – Submitted to the Water Board the Second Quarter 2011 Self-Monitoring Report under NPDES Discharge Permit No. CAG912003.

September 2011

- 1 September through 31 October – Annual monitoring of RGRP groundwater monitoring and extraction wells.
- 15 September– Semi-annual groundwater elevation measurements in RGRP groundwater monitoring and extraction wells.

November 2011

- 4 November – Submitted to the Water Board the Third Quarter 2011 Self-Monitoring Report under NPDES Discharge Permit No. CAG912003.

The 2011 Annual Report Remedy Performance Checklist is provided in Appendix A.

2. GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

2.1 System Description

Two groundwater extraction and treatment systems (GETS) are associated with the RGRP. The RGRP GETS are referred to as the North of 101 and South of 101 treatment systems. Treated groundwater from the RGRP GETS is discharged under the requirements of Order No. R2-2009-0059, NPDES Permit No. CAG912003 (VOC General Permit). These systems receive groundwater extracted from 25 RRWs. There are six additional operational RRWs (and five not operating) treated by Fairchild GETS. Table 3 lists the RRWs and their associated groundwater zones and GETS.

2.1.1 North of 101

The North of 101 GETS is located near the corner of Wescoat Road and McCord Avenue at Moffett Field and is shown in Figure 3. The North of 101 GETS includes the following components:

- 15 RRWs
- Conveyance piping
- Sediment filters and housing (2)
- Anti-scaling compound storage and metering system
- Two shallow-tray air-strippers in series
- pH adjustment using sulfuric acid between air-stripper units
- A knockout chamber and a duct heater to reduce the water content of the air stripper off-gas stream
- Two 4,000-pound vapor-phase granular activated carbon (GAC) vessels in series to remove VOC from the air stripper off-gas, and
- Electrical distribution and control panels including:
    - A programmable logic controller (PLC)
    - Auto-dialer, and

- A supervisory control and data acquisition (SCADA) computer.

2.1.2 South of 101

The South of 101 GETS is located at 644 National Avenue and is shown in Figure 3. The South of 101 GETS includes the following components:

- 10 RRWs
- Conveyance piping
- Sediment filters and housing (4)
- Three 10,000-pound liquid-phase GAC vessels in series, and
- Electrical distribution and control panels including:
    - A PLC
    - Auto-dialer, and
    - SCADA computer.

In addition, groundwater extracted from the sump collection system at the former Fairchild Building 18 (644 National Avenue) is diverted to the South of 101 GETS during GAC change-outs at Fairchild System 1.

2.1.2.1 RGRP Wells Treated by Fairchild Treatment Systems

There are six operating RRWs connected to the three Fairchild GETS (Table 3).[5] Groundwater is treated using liquid-phase GAC at the Fairchild GETS (Geosyntec, 2011b, e).

2.2 <u>Operation and Maintenance</u>

The North of 101 GETS removed approximately 439 pounds of VOCs from 56.6 million gallons of groundwater during 2011. The South of 101 GETS removed

[5] Deep RRWs were last operated in 2002 (DW3-505R) and 2006 (DW3-219, DW3-244, DW3-334, DW3-364).

approximately 359 pounds of VOCs from 33.8 million gallons of groundwater in 2011. Table 4 summarizes the volume of groundwater treated, the influent total VOC concentrations, and the mass of VOC treated by each RGRP GETS per month during 2011. Figures 4 and 5 illustrate the cumulative volume of groundwater and VOC mass removal for each of the GETS systems since 1998. In total, approximately 19,600 pounds of VOCs in 1.43 billion gallons of groundwater have been treated by the RGRP GETS.

Table 5 summarizes the VOC sampling results from the GETS NPDES compliance samples. TCE and cis-DCE are detected at higher concentrations in GETS influent samples as compared to other detected VOCs. TCE concentrations ranged from 640 to 820 µg/L in the North of 101 influent samples and from 1,000 to 1,300 µg/L in the South of 101 influent samples collected in 2011. Cis-DCE concentrations ranged from 170 to 210 µg/L in the North of 101 influent samples and from 38 to 46 µg/L in the South of 101 influent samples collected in 2011.

Table 6 presents target flow rates and 2011 average annual flow rates for each RRW. Target flow rates were established in August 2007 based on the 2006 RGRP Annual Progress Report (Weiss, 2006). Since that time, target rates for four RRWs (REG-7B(1), REG-10A, REG-3A and REG-4A) have been adjusted.[6] Monthly average extraction rates (gallons per minute) for each RRW treated by an RGRP GETS in 2011 are provided in Table 7. These rates were calculated by taking the volume of groundwater extracted by an RRW (gallons as reported by individual well totalizers) and dividing by the time (minutes) between meter readings.

In 2011, weekly average flow rates from each RRW were calculated and compared to the target rate for that RRW. Adjustments to the flow control valves were made at an RRW if the average rate was less than the target rate.

Non-routine GETS operation and maintenance activities in 2011 are summarized in Tables 8a and 8b. In one case, the EPA was notified of down time for extraction well REG-1B(1). No Water Board notifications were necessary. Notifications to the EPA and Water Board are required for extraction well and system down-time events as follows:

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[6] See Table 6 notes

- EPA: The owner and/or operator of the RGRP/Fairchild treatment system will make a best effort to orally notify EPA within 24 hours of a RRW or system shutdown that occurs for more than 72 consecutive hours (N101 and S101 O&M Manuals).
- Water Board: If the treatment system is shut down for more than 72 consecutive hours after the start up period (maintenance, repair, violations, etc.) the reason(s) for shut down, proposed corrective action(s), and estimated start-up date shall be orally reported to the Water Board within five days of shut down and a written submission shall also be provided within 15 days of shut down (Order No.R2-2009-0059, VOC General NPDES Permit No. CAG912003, expires September 2014).

In addition, the following O&M compliance activities were conducted during this reporting period:

- Submitted monthly statements of groundwater volumes extracted from North of 101 and South of 101 RRWs to the Santa Clara Valley Water District;
- Disposed of spent sediment filters from the North of 101 and South of 101 treatment systems and spent carbon from South of 101 treatment system compound as hazardous waste (spent carbon from the North of 101 system managed as non-hazardous waste).

2.3 Groundwater Level Monitoring

Groundwater levels are measured semi-annually (Table 2) in approximately 900 wells for the purpose of monitoring the hydraulic performance of RGRP and facility-specific groundwater remedies in the MEW study area. Table 9 summarizes the construction details for RGRP monitoring and extraction wells used in the water level monitoring program. Groundwater levels were measured on 24 March and 15 September 2011. Water levels measured in RGRP wells during 2011 are included in Appendix I.

Groundwater levels in most MEW wells were measured monthly from 1984 to 1993 and quarterly from 1993 to 2004. On 2 December 2004, the EPA approved a reduction of the groundwater elevation measurement frequency from quarterly to semi-annually for the MEW RGRP well network (Weiss, 2006). However, some MEW companies continue to measure site-specific groundwater levels quarterly in March, May, August and September as part of slurry wall evaluation activities.

Hydrographs of selected monitoring wells are presented in Figures 6 and 7. Figure 6 includes a set of A Zone hydrographs from along a north-south line through the MEW regional study area. These hydrographs indicate that the magnitude of seasonal and long-term water level fluctuations in the A Zone is very small relative to water level variations across the study area. Figure 7 presents hydrographs from a series of well clusters wherein adjacent wells are screened in different hydrostratigraphic zones. These hydrographs provide a representative measure of vertical hydraulic gradients between zones.

The groundwater elevations were used to construct groundwater elevation contour maps of the five water-bearing zones in the region (A/A1, B1/A2, B2, B3 and C/Deep) for the March and September monitoring periods. Groundwater elevations from monitoring wells and from piezometers installed in the filter pack of extraction wells were used in contouring. The groundwater elevation contour maps were created using KT3D_H2O version 3.0, a geostatistical software package (Tonkin and Larson, 2002).[7] As opposed to most interpolation programs that require a choice between linear and logarithmic kriging, this version of KT3D allows for linear-log ordinary kriging using linear kriging in areas distant from recovery wells and point logarithmic kriging in the vicinity of recovery wells. The flow rates from the extraction wells were input to the program in order to allow for a variable radial distance of transition from linear to logarithmic kriging. A spherical variogram was specified with grid spacing of 30 feet.

Ten groundwater elevation contour maps are presented in Figures 8 through 17 (the capture zones included on the figures are discussed below in Section 2.4). Appendix B includes the ten contour maps, presented at a larger scale with posted groundwater elevation data and without the estimated capture zones.

[7] The KT3D software package was developed as part of the Geostatistical Software Library (GSLIB) at Stanford University and was subsequently modified by S.S. Papadopulos and Associates, Inc. to include well drift (Deutsh and Journal 1998, Tonkin and Larson 2002).

2.4 Hydraulic Control and Capture Zone Analysis

The water level monitoring described in Section 2.3 provides the basis for evaluating the hydraulic performance of the RGRP and facility-specific groundwater remedies. The hydraulic capture area achieved by one or more recovery wells cannot be directly measured, but rather requires analysis and interpretation of the measured water levels and extraction rates. The following discussion summarizes the basis for estimating the capture zones.

2.4.1 Methodology

In evaluating groundwater capture for RGRP wells, consideration was given to the EPA guidance document *A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems* (EPA, 2008). The following steps were used to perform the hydraulic evaluation of the groundwater remedy.

- The Site conceptual model, remedy objectives, slurry wall locations, and target capture zones were available from previous studies and prior annual monitoring reports[8];
- Water level measurements from March and September 2011 were interpolated to generate groundwater elevation contour maps as described in Section 2.3;
- Pumping rates from RRWs and SCRWs were compiled from available sources;
- Hydraulic capture from each RRW and SCRW was estimated based on graphical flow-net analysis of the contour maps, guided by backward particle tracking and analytical flow solutions (Section 2.4.2);
- A water balance calculation was used to check the total width of capture estimated from the graphical analysis;
- Water level data from well clusters were analyzed for the distribution of vertical gradients; and

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[8] For example, EPA Second 5-Year Review (EPA 2009) and 2010 Annual Progress Report (Geosyntec, 2011a).

- VOC time-series trends in monitoring wells were reviewed for confirming evidence of hydraulic capture (Section 2.5).

2.4.2 Estimated Extraction Well Capture

Estimated capture zones for the RRWs in March and September 2011 are shown in Figures 8 through 17. The capture zones were estimated by graphical flow-net analysis, using the groundwater elevation contour maps (Section 2.3). The graphical analysis was guided by backward particle tracking using TransientTracker in KT3D_H20 and calculated distances to the stagnation point and capture zone width based on the analytical solution of Javandel and Tsang (1986). The KT3D_H20 particle tracking method and analytical calculations assume homogeneous, two-dimensional groundwater flow with a single regional estimated value of transmissivity. These methods were used as supporting lines of evidence to evaluate capture together with the groundwater elevation contour maps. The final capture zones as presented in Figures 8 through 17 are based on professional judgment in consideration of the above analyses, known Site conditions, and experience with similar sites.

2.4.3 Capture Width Based on Combined Flow Rate Analysis

The capture zone analysis described in 2.4.2 above was developed on a well-by-well basis. However, the net result of the combined capture zones from all RRWs is an area of hydraulic capture significantly wider than the distribution of VOCs in groundwater. An independent check of the capture zones presented in Figures 8 through 17 was developed by using the combined 2011 groundwater extraction rates for all RRWs and SCRWs to estimate the total capture width in each zone (A, B1, B2, and B3). The estimated capture widths were then compared to the distribution of TCE in groundwater (Section 2.5) measured in map view for each zone. If the estimated width of capture is greater than the trans-gradient width of the TCE distribution in groundwater, then hydraulic containment of the plume is indicated.

The calculations of capture width for each zone based on the total extraction rate, regional hydraulic gradient, hydraulic conductivity, and zone thickness are shown in Table 10.

The results indicate that the predicted capture width based on the total extraction rate is greater than the measured transgradient width of TCE in groundwater, thereby providing an additional line of evidence that hydraulic containment is achieved.

2.4.4 Vertical Gradients

Hydrographs for selected Site wells showing vertical gradients are shown in Figure 7. The vertical gradients depicted in the hydrographs are summarized as follows.

- South of Highway 101 and north of the Raytheon Slurry wall: the vertical gradients are upward between all zones (Graph 1 on Figure 7);
- South of Highway 101 and east of the Fairchild Building 1-4 Slurry wall: the vertical gradients are downward between the A and B1 Zones and upward between the B1 and B2 Zones (Graph 2 on Figure 7);
- North of Highway 101 (approximately 1500 ft): the vertical gradients are variable between the A, B1 and B2 Zones. The hydrograph in Graph 3 of Figure 7 shows a downward gradient from A to B1 and upward gradient from B2 to B1, but a near-by well pair (85A, 50B1 and 45B2) shows an upward gradient from B1 to A and downward gradient from B1 to B2; and,
- North of Highway 101 (approximately 5000 ft): the vertical gradient is neutral to upward between the A and B1 Zones (Graph 4 on Figure 7).

2.5 Groundwater Quality Monitoring

The 2011 annual groundwater quality monitoring event was conducted in September and October 2011. Groundwater samples were collected from the RGRP wells and were analyzed for VOCs in compliance with the MEW monitoring schedule and O&M manuals (Table 3). A total of 229 RGRP wells were sampled in 2011. Of these wells, 218 were sampled as part of the required monitoring schedule and 11 were sampled voluntarily. VOC concentration versus time graphs for all the RGRP wells are included in Appendix D.

A summary of the analytical results including historical results for the last five years (2007 to 2011) is presented in Appendix E and the analytical reports are included in Appendix F.

Text and tables summarizing the sampling and analysis quality assurance and quality control (QA/QC) parameters for all RGRP groundwater samples collected in 2011 along with the QA/QC acceptance criteria for VOC analytical methods and results are presented in Appendix G.

2.5.1 Isoconcentration Contour Maps

TCE, cis-1,2-DCE, vinyl chloride, and PCE isoconcentration contour maps were created for the 2011 annual sampling event. The 2011 TCE contour maps were based on the existing 2010 TCE contour maps (Geosyntec, 2011) with contours modified as needed to reflect decreases or increases in TCE concentrations from 2010 to 2011. Similarly, the cis-1,2-DCE and vinyl chloride contour maps were based on and modified from the 2009 cis-1,2-DCE and vinyl chloride contour maps (Geosyntec, 2010). The PCE contour maps were generated by hand and based on professional judgment in consideration of known Site conditions. The TCE isoconcentration maps for 2011 are presented for the A Zone, B1 Zone, B2 Zone, B3 Zone, and C Zone in Figures 18 to 22, respectively. The PCE, TCE, cis-1,2-DCE and vinyl chloride contour maps are presented at a larger scale with posted data in Appendix C.

2.5.2 Other Samples Collected This Reporting Period

DW3-219 was sampled semi-annually in 2011 (May and October) because the concentrations in this well have fluctuated near the cleanup goal of 0.8 µg/L for TCE in deep groundwater. TCE concentrations in DW3-219 in 2011 ranged from 0.9 µg/L in May to 0.72 µg/L in October.

Seven wells are sampled annually for selected metals per the schedules in the O&M manuals for the RGRP, and as follows: 22A and 10B2 (arsenic), 42A (antimony, cadmium), 54A (cadmium), SIL12A (antimony), and RW-1(B1) and RW-2(B1) (lead). Current and historical results are provided in Appendix E.

2.5.3 Remedy Performance

In conjunction with the hydraulic analysis described in Section 2.4, the VOC monitoring data provides an additional line of evidence for assessing remedy performance.

In the 2011 annual monitoring event, 99% of the RGRP wells sampled had TCE concentrations that were within or below historical ranges[9].

VOC versus time graphs are presented in Appendix D. Based on Mann-Kendall statistical analysis the TCE concentrations are stable, decreasing, or have no trend in 96% of the RGRP wells.[10] Approximately 48% of the RGRP wells display decreasing TCE concentration trends and 48% show no trend or are stable. All of the 30 RRWs operational in 2011 display decreasing TCE concentration trends.

During the 2009, 2010, and 2011 monitoring rounds, TCE concentrations in all B3 Zone wells were below the cleanup goal of 5 µg/L (Figure 21). Furthermore, no other VOCs have been detected in any B3 Zone monitoring wells since 2007. Therefore, the cleanup goals have been achieved in the B3 Zone and the sole recovery well operating in the B3 Zone (well 65B3, Figure 26) should be turned off.

The small percentage of wells that have recent increasing TCE concentration trends include the following:

- A-Zone: W89-9, 14E14A, 14D13A and R46A;
- B1-Zone: R13B1, W89-14, and W89-11; and,
- B2-Zone: 17B2, and 51B2.

The TCE concentration increase in each of these wells was less than an order of magnitude over the last five years. Four of these wells (14E14A, 14D13A, R13B1, and W89-11) had TCE concentrations less than the cleanup goal of 5 µg/L in 2011.

The VOC time series data described above indicate that the combined MEW remedies are performing as designed to control or remediate VOCs in groundwater.

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[9] In 2011, RGRP wells 79B1 and W89-14 had TCE concentrations of 7.8 and 83 µg/L, respectively. These values were higher than the TCE concentrations historically observed at 79B1 and W89-14.

[10] A Mann-Kendall statistical analysis was performed on all RGRP wells using the TCE concentration data from 2002 to 2011 to evaluate the concentration trends.

The spatial distribution of VOC monitoring data can also be used to assess remedy performance. Figures 23 through 27 present maps of the A Zone, B1 Zone, B2 Zone, B3 Zone, and C Zone, respectively, with the September 2011 hydraulic capture zones (Section 2.4, Figures 8, 10, 12, 14, and 16) overlain on the September/October 2011 TCE isoconcentration maps. These figures show depictions of the capture for extraction wells within a given zone and do not depict the vertical capture across zones. As discussed in the 2008 optimization evaluation (Geosyntec 2008) there is a vertical component to the groundwater flow throughout most of the Site which often results in capture that crosses between zones. For example forward particle tracking done as part of the optimization evaluation demonstrated that in the B2 zone north of 101 there were a significant number of particle paths that were captured by wells in the overlying zones (Geosyntec 2008). Figures 28, 29 and 30 present the area of the TCE in groundwater that is the responsibility of MEW parties.[11]

The following three wells, located within the area of RGRP responsibility, are shown on the TCE concentration and estimated capture zone figures as being downgradient of the hydraulic capture zones for the extraction wells located within their zone and have TCE concentrations above the cleanup goal of 5 µg/L in 2011:

- WU4-19 (B1/A2 Zone): The TCE concentration is 110 µg/L and the concentration trend is decreasing over the last 10 years based on Mann Kendall analysis. This indicates that the current remedies are effective in this area despite the apparent gap in the capture zone overlay.
- Wells 51B2 and 17B2 (B2 Zone): The TCE concentrations are 28 µg/L and 12 µg/L, respectively. Although increasing TCE concentration trends are observed in 51B2 over the last ten years, TCE concentrations have decreased in 51B2 in the last 4 years.

The capture zones are only one line of evidence for plume containment. The stability of the TCE plume provides an additional line of evidence that containment is achieved and that capture is adequate in the area of RGRP responsibility.

[11] North of Highway 101 the areas of responsibility have been allocated between the MEW parties, the Navy, and NASA based on negotiated allocation agreements.

2.6 Compliance

The RGRP GETS discharges treated groundwater to the local storm drain systems under an NPDES permit (CAG912003/Order No. R2-2009-0059) effective 1 October 2009 through 30 September 2014. All field measurements and samples required under the NPDES were collected (Weiss, 2011a,b,c,d,e,f,g,h). Permit compliance reports are issued quarterly to the Water Board and requirements are summarized in Table 3.

Both systems operated within the effluent limits established by the NPDES permits for the entire period. VOC results from samples collected for NPDES compliance are summarized in Table 5.

NPDES permit CAG912003 includes “trigger” effluent criteria that are not discharge criteria, but which require additional sampling and evaluation of GETS influent and treatment processes if exceeded. Samples from the North of 101 system exceeded effluent “triggers” for copper and selenium in November 2009. As a result, monthly effluent samples were collected in the first quarter of 2010 in accordance with Provision VI, C of permit CAG912003. Since both triggers were exceeded again during the first quarter 2010 sampling, the treatment system effluent was sampled quarterly for copper and selenium for the remainder of 2010 and the entirety of 2011. The general Waste Discharge Requirements (WDRs) recognize that some inorganic compounds, including selenium and copper, are in treatment system effluent primarily due to background concentrations in the extracted groundwater. The Water Board has determined that the Bay-wide loading of inorganic compounds from VOC-cleanup discharges will cause no impairment of beneficial uses or potential exceedance of inorganic compound objectives in receiving waters.

The North of 101 system operated in compliance with BAAQMD Permit to Operate #11384.

3. OTHER ACTIVITIES

3.1 Water Reuse

The MEW ROD specifies that extracted groundwater should be reused to the maximum extent feasible. Currently, treated water from the RGRP North of 101 groundwater treatment system is designated for reuse by NASA or discharge to Stevens Creek. The North of 101 system has a bypass valve that allows treated groundwater to be diverted, further treated by microfiltration and reverse osmosis, and then reused by NASA's Unitary Wind Tunnel Cooling Tower or Arc Jet Facilities when needed.

The NASA wastewater treatment plant reuse operation was shut down in early 2010, with planned reuse expansion in 2011-2012. Resumption of reuse operations is currently projected to begin by midsummer of 2012, and will include both MEW and NASA groundwater treatment system effluent discharge streams.

3.2 Air/Vapor Intrusion

The EPA issued a ROD amendment on 16 August 2010 to address vapor intrusion. The MEW parties continued to work with EPA and local entities to implement the ROD amendment during 2011. In accordance with the Statement of Work for the Vapor Intrusion ROD Amendment, an annual report summarizing the status of the vapor intrusion remedy will be submitted under separate cover (Haley and Aldrich, 2012).

3.3 Soil Settlement Survey

An annual survey has been conducted at the Site since 1998 to monitor soil settlement elevations. The purpose of these annual measurements is to evaluate whether survey data and associated groundwater elevation data indicate that there has been soil settlement associated with the MEW groundwater withdrawal.

Kier and Wright Civil Engineers & Surveyors, Inc. surveyed the Settlement Measurement Points (SMPs) in December 2011 using the City of Mountain View vertical control benchmark No. 111-46. The results of the survey are presented in Appendix H.

Geosyntec reviewed the historical settlement and water level elevation data and concluded that the small amplitude ground elevation fluctuations do not appear to be related to groundwater extraction operations.

Consistent with this finding, if pumping is maintained at current rates, Geosyntec considers that future monitoring can be reduced to every two years, with the possibility for future reductions in monitoring frequency if the observed trends remain consistent.

4. PROBLEMS ENCOUNTERED

Section 2.2 summarizes the non-routine O&M events that occurred at the North of 101 and South of 101 treatment systems. No other problems related to operation of the treatment systems were encountered.

5. TECHNICAL ASSESSMENT

The following assessment of the groundwater remedy performance was made based on data collected through 2011.

- The remedy is functioning as intended. An Annual Remedy Performance Checklist and summary of recommendations from the 2009 Five Year Remedy Review is included in Appendix A.
- Capture zones are adequate. Groundwater elevations, graphical flow net analysis, capture zone width calculations, vertical gradients and VOC concentration trends provide converging lines of evidence that the Site extraction wells are achieving adequate horizontal and vertical capture of the regional plume.
- VOC concentrations are decreasing over time. Most RGRP wells have stable or decreasing TCE concentrations (Appendix D).
- Cleanup goals in groundwater have been reached in the B3 Zone. Since 2009, the concentration of TCE has been less than 5 μg/L and no other VOCs have been detected.
- Vertical gradients are consistent with historical trends.

While concentrations within the core of the TCE plume have historically decreased by an order of magnitude or more, the perimeter extent of TCE concentrations has largely stabilized and treatment system influent concentrations have generally declined.

6. CONCLUSIONS AND RECOMMENDATIONS

During 2011, the RGRP treatment systems removed a total of 798 pounds of VOCs from 90 million gallons of extracted groundwater. The North of 101 and South of 101 treatment systems operated on a nearly continuous basis (98.9% and 99.7%, respectively) and no significant problems related to the system operations were noted in 2011.

The technical assessment concludes that the groundwater remedy is performing as intended. Vapor intrusion is being addressed in the independent process described in Section 3.2.

Groundwater elevations, graphical flow net analysis, capture zone width calculations, and VOC concentration trends provide converging lines of evidence that the Site extraction wells are achieving adequate horizontal and vertical capture of the regional plume.

Trend analyses indicate stable or decreasing concentrations in 96% of the RGRP wells.

The cleanup goals for groundwater have been reached in the B3 Zone and it is recommended that RRW 65B3 be turned off.

Ground elevation fluctuations do not appear to be related to groundwater extraction operations so if pumping is maintained at the current rates it is recommended that settlement survey monitoring be reduced to every two years.

7. UPCOMING WORK IN 2012 AND PLANNED FUTURE ACTIVITIES

January	• Pump and Treat System O&M
February	• Pump and Treat System O&M • Submit 4th Quarter and Annual NPDES report
March	• Pump and Treat System O&M • Quarterly system effluent sampling (NPDES) • Groundwater level measurements
April	• Pump and Treat System O&M • Submit Annual Progress Report to EPA
May	• Pump and Treat System O&M • Submit 1st Quarter NPDES report
July	• Pump and Treat System O&M
August	• Pump and Treat System O&M • Submit 2nd Quarter NPDES report
September	• Pump and Treat System O&M • Quarterly system effluent sampling (NPDES) • Groundwater sampling South of 101 • Groundwater level measurements
October	• Pump and Treat System O&M • Groundwater sampling North of 101
November	• Pump and Treat System O&M • Submit 3rd Quarter NPDES report
December	• Pump and Treat System O&M • Quarterly system effluent sampling (NPDES)

8. REFERENCES

Canonie Environmental Services Corporation (Canonie), 1988. Feasibility Study, Middlefield-Ellis-Whisman Area, Mountain View, California, November 1988.

Deutsch, C.V. and A.G. Journal, 1998. GSLIB: Geostatistical Software Library and User's Guide, 2nd edition. New York: Oxford University Press.

EPA, 1989. Record of Decision, Fairchild, Intel, and Raytheon Sites, Middlefield-Ellis-Whisman Study Area, Mountain View, California, Superfund Records Center Document No. 2807-02332, June 9.

EPA, 1990. Superfund Explanation of Significant Differences: Middlefield-Ellis-Whisman Study Area, Mountain View, California, September 1.

EPA, 1996. Superfund Explanation of Significant Differences: Middlefield-Ellis-Whisman Study Area, Mountain View, California, April 16.

EPA, 2004. Final First Five-Year Review Report for Middlefield-Ellis-Whisman (MEW) Superfund Study Area, Mountain View, California, September.

EPA, 2005. 2004 Annual Report Contents and Annual Report Remedy Performance Checklist. E-mail with attachment of report and checklist from Alana Lee, EPA

EPA 2008. A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems EPA/600/R-08/003 January.

EPA 2009. Final Second Five-Year Review Report for Middlefield-Ellis-Whisman (MEW) Superfund Study Area, Mountain View, California, September.

EPA 2010. Record of Decision Amendment for the Vapor Intrusion Pathway, Middlefield-Ellis-Whisman (MEW) Superfund study Area Mountain View, California, August 16.

EPA 2011a. EPA Approval to Change the Schedule for Annual Groundwater Sampling, Semi annual Water Level Measurements, and Annual Groundwater Progress Reporting for the Middlefield-Ellis-Whisman (MEW) Superfund Study Area, Mountain View and Moffett Field, CA. E-mail from AlanaLee, EPA, June 20.

EPA 2011b. Statement of Work, Remedial Design and Remedial Action to Address the Vapor Intrusion Pathway. September.

Geosyntec, 2008. Optimization Evaluation, Regional Groundwater Remediation Program, Middlefield-Ellis-Whisman Area, Mountain View, California, September 3.

Geosyntec, 2010. Submittal to EPA of 2009 cis-1,2-dichloroethene (cDCE) and vinyl chloride (VC) isoconcentration contour maps requested for development of the GWFS. Regional Groundwater Remediation Program, Middlefield-Ellis-Whisman Area, Mountain View, California, December 22.

Geosyntec, 2011a. 2010 Annual Progress Report, Regional Groundwater Remediation Program, Middlefield-Ellis-Whisman Area, Mountain View, California, June 15.

Geosyntec, 2011b. 2011 Annual Progress Report for Former Fairchild Buildings 1-4, 515/545 Whisman Road and 313 Fairchild Drive, Middlefield-Ellis-Whisman Area, Mountain View, California, April 15.

Geosyntec, 2011c. 2011 Annual Progress Report for Former Fairchild Building 9, 401 National Avenue, Middlefield-Ellis-Whisman Area, Mountain View, April 15.

Geosyntec, 2011d Annual Progress Report for Former Fairchild Building 18, 644 National Avenue, Middlefield-Ellis-Whisman Area, Mountain View, April 15.

Geosyntec, 2011e. 2011 Annual Progress Report for Former Fairchild Buildings 13, 19 and 23, 369/441 North Whisman Road, Middlefield-Ellis-Whisman Area, Mountain View, April 15.

Haley and Aldrich. 2012 Annual Vapor Intrusion Progress Report, Regional Groundwater Remediation Program, Middlefield-Ellis-Whisman Area, Mountain View, April 15.

Javandel I., and C.F. Tsang, 1986. Capture-zone type curves: A tool for aquifer cleanup. *Ground Water 24(5) 616-625*.

Locus, 1999. Final Operation and Maintenance Plan, Regional Groundwater Remediation Program, South of US Highway 101, Middlefield-Ellis-Whisman Site, Mountain View, California, consultants report prepared for Intel Corporation and Raytheon Company, October.

Locus, 2000. Operation and Maintenance Plan, Regional Groundwater Remediation Program, North of US Highway 101, Middlefield-Ellis-Whisman Site, Mountain View, California, prepared for Intel Corporation and Raytheon Company, May.

Santa Clara Valley Water District (SCVWD), 1989. Standards for the Construction and Destruction of Wells and other Deep Excavation in Santa Clara County. Appendix A. Geology and Ground Water Quality.

SCVWD, 2001. Santa Clara Valley Water District Groundwater Management Plan, Prepared by Vanessa Reymers and Tracy Hemmeter under the direction of Behzad Ahmadi, Unit Manager, Groundwater Management Unit, July.

Tetra Tech FW, Inc., 2005. West-Side Aquifers Treatment System Optimization Completion Report, prepared for Department of the Navy, Southwest Division, DCN No. FWSD-RAC-05-1106, Revision 0, May 17.

Tonkin, M.J, and S.P. Larson, 2002. Kriging Water Levels with a Regional-Linear and Point-Logarithmic Drift. *Ground Water 40(2) 185-193*, March April.

Weiss, 2006. 2005 Annual Progress Report for Middlefield-Ellis-Whisman Study Area Regional Groundwater Remediation Program, Mountain View, California, June.

Weiss, 2011a. Fourth Quarter and 2010 Annual Self-Monitoring Report, MEW RGRP Treatment system, North of 101, February 15.

Weiss, 2011b. Fourth Quarter and 2010 Annual Self-Monitoring Report, MEW RGRP Treatment system, South of 101, February 15.

Weiss, 2011c. First Quarter 2011 Self-Monitoring Report, MEW RGRP Treatment system, North of 101, May 10.

Weiss, 2011d. First Quarter 2011 Self-Monitoring Report, MEW RGRP Treatment system, South of 101, May 10.

Weiss, 2011e. Second Quarter 2011 Self-Monitoring Report, MEW RGRP Treatment system, North of 101, August 4.

Weiss, 2011f. Second Quarter 2011 Self-Monitoring Report, MEW RGRP Treatment system, South of 101, August 4.

Weiss, 2011g. Third Quarter 2011 Self-Monitoring Report, MEW RGRP Treatment system, North of 101,November 4.

Weiss, 2011h. Third Quarter 2011 Self-Monitoring Report, MEW RGRP Treatment system, South of 101, November 4.

Weiss, 2012a. Fourth Quarter and 2011 Annual Self-Monitoring Report, MEW RGRP Treatment system, North of 101, February 15.

Weiss, 2012b. Fourth Quarter and 2011 Annual Self-Monitoring Report, MEW RGRP Treatment system, South of 101, February 15.

TABLES

Table 1A
2011 RGRP Wells North of 101 Listed by Owner
MEW Regional Groundwater Remediation Program
Mountain View, California

Owner: Fairchild (North of 101)					
A/A1	A2/B1	B2	B3	C	Deep
65A	46B1	17B2			
72A	47B1	51B2			
73A	48B1	54B2			
74A	49B1	82B2			
75A	50B1	123B2			
81A	68B1				
82A	78B1				
88A	79B1				
89A	81B1				
92A [1]	83B1				
93A	87B1				
95A	139B1				
	154B1 [1]				
	155B1 [1]				

Owner: MEW RGRP (North of 101)					
A/A1	A2/B1	B2	B3	C	Deep
REG-2A	REG-5B(1)				
REG-3A	REG-6B(1)				
REG-4A	REG-7B(1)				
REG-5A	REG-8B(1)				
REG-6A	REG-9B(1)				
REG-7A	REG-10B(1)				
REG-8A	REG-12B(1)				
REG-9A					

Owner: NASA (North of 101)					
A/A1	A2/B1	B2	B3	C	Deep
14D02A					
14D09A					
14D13A					
14E14A					
15H05A					

Owner: Navy (North of 101)					
A/A1	A2/B1	B2	B3	C	Deep
W9-16	W9-17				
W9-38	W9-25				
W12-6	W9-41				
W14-3	W9SC-20				
W60-2	W14-5				
W89-1	W89-11				
W89-2	W89-12				
W89-5	W89-14				
W89-7	WNB-14				
W89-8	WU4-2				
W89-9	WU4-4				
WT14-1	WU4-5				
WU4-1	WU4-6				
WU4-3	WU4-7				
WU4-16	WU4-12				
WU4-18	WU4-13				
W89-03A-R	WU4-19				
W89-04A-R	W89-13B1-R				

Notes:
[1] Voluntary well added to RGRP in 2011.

Table 1B
2011 RGRP Wells South of 101 Listed by Owner
MEW Regional Groundwater Remediation Program
Mountain View, California

Owner: Fairchild (South of 101)

A/A1	A2/B1	B2	B3	C	Deep
1A	8B1	6B2	28B3	6C	DW3-551
20A	13B1	15B2	30B3	8C	
21A	14B1	16B2	44B3	9C	
23A	26B1	36B2	133B3	10C	
26A	32B1	37B2		11C	
29A	33B1	40B2		DW2-234	
45A	56B1	43B2			
61A [1]	67B1 [1]	62B2			
62A	74B1	75B2			
77A	77B1	76B2			
78A	91B1	89B2			
79A	92B1	113B2			
99A	98B1	125B2			
109A	103B1	129B2			
134A [1]	105B1	132B2			
142A	112B1	134B2			
144A	119B1				
153A	122B1				
162A	124B1				
173A	140B1				
	143B1				
	RW-2(B1)				
	RW-4(B1) [1]				

Owner: Intel (South of 101)

A/A1	A2/B1	B2	B3	C	Deep
IM9A	I9B1				
	IM5B(1)				
	IM9B(1)				

Owner: MEW RGRP (South of 101)

A/A1	A2/B1	B2	B3	C	Deep
REG-1A	ME1B1	38B2	65B3	DW3-219	DW3-244
REG-10A	ME2B1	NEC8B2			DW3-334
REG-11A	NEC8B1	NEC18B2			DW3-364
REG-12A	NEC14B1	REG-1B(2)			DW3-505R
REG-MW-1A	NEC18B1	REG-3B(2)			
REG-MW-2A	REG-1B(1)	REG-MW-1B(2)			
RW-9A	REG-2B(1)	RW-9(B2)			
	REG-3B(1)				
	REG-4B(1)				
	REG-11B(1)				
	REG-MW-1B(1)				
	REG-MW-2B(1)				
	RW-9(B1)R				

Owner: Raytheon (South of 101)

A/A1	A2/B1	B2	B3	C	Deep
R22A	R6B1	R13B2	R5B3	DW1-230	
R24A	R13B1	R30B2	R9B3	R4C	
R25A	R16B1	R40B1(B2)	R27B3		
R29A	R22B1	R41B2	R54B3		
R31A	R46B1	R50B2	R56B3		
R32A	RP22B	R52B2	R61B3		
R43A		R55B2			
R46A					
R57A					
R59A					

Owner: Siltec (South of 101)

A/A1	A2/B1	B2	B3	C	Deep
SIL4A [1]					
SIL12A [1]					

Owner: Silva (South of 101)

A/A1	A2/B1	B2	B3	C	Deep
	RW-13B(1) [1]			RW-1C [1]	

Notes:
[1] Voluntary well added to RGRP in 2011.

Table 2
2011 Monitoring and Reporting Schedule
MEW Regional Groundwater Remediation Program
Mountain View, California

System / Wells	Analysis[1]	Frequency
Wells		
Wells	Water Level	March, September
Wells	VOCs by EPA Method 8260B	September or October[2]
Wells	Standard Observations (pH, Temperature, Specific Conductivity)	September or October
Wells	Sampling for Selected Metals[3]	September or October
North of 101 Treatment System		
System Influent (before AS 1)[4]	VOCs by EPA Method 8260B	Monthly
System Influent (before AS 1)	pH, Temp, Specific Conductivity	Monthly
System Influent (before AS 1)	1,4-Dioxane by EPA Method 8270C SIM	4 Times in 2011
System Midpoint (AS 1&2)	VOCs by EPA Method 8260B	Monthly
System Midpoint (AS 1&2)	pH, Temp, Specific Conductivity	Monthly
System Effluent (after AS 2)	VOCs by EPA Method 8260B	Monthly
System Effluent (after AS 2)	pH, Temp, Specific Conductivity	14 Times in 2011
System Effluent (after AS 2)	1,4-Dioxane by EPA Method 8270C SIM[5]	Bimonthly
System Effluent (after AS 2)	Metals[6] by EPA Method noted	Quarterly
System Effluent (after AS 2)	Fish Toxicity, 96-Hr by US EPA-821-R-02-012 Test, Method 2019.0	2 Times in October 2011
System Effluent (after AS 2)	Turbidity by EPA Method 180.1	November
South of 101 Treatment System		
System Influent (before GAC 1)[7]	VOCs by EPA Method 8260B	Quarterly
System Influent (before GAC 1)	1,4 Dioxane by EPA Method 8270C SIM	May
System Influent (before GAC 1)	pH, Temp, Specific Conductivity	Quarterly
Midpoint 1 (GAC 1&2)	VOCs by EPA Method 8260B	Monthly
Midpoint 1 (GAC 1&2)	pH,Temp, Specific Conductivity	Monthly
Midpoint 2 (GAC 2&3)	VOCs by EPA Method 8260B	11 Times in 2011
Midpoint 2 (GAC 2&3)	pH,Temp, Specific Conductivity	11 Times in 2011
System Effluent (after GAC 3)	VOCs by EPA Method 8260B	Monthly
System Effluent (after GAC 3)	1,4-Dioxane by EPA Method 8270C SIM	May
System Effluent (after GAC 3)	pH, Temp, Specific Conductivity	13 Times in 2011
System Effluent (after GAC 3)	Fish Toxicity, 96-Hr by US EPA-821-R-02-012 Test, Method 2019.0	2 Times in October 2011
System Effluent (after GAC 3)	Turbidity by EPA Method 180.1	November

Notes:
1 EPA Methods used reflect transition from Order No. R2-2004-055 to Order No. R2-2009-0059, NPDES Permit No. CAG912003
2 RRW DW3-219 was sampled in May and October 2011 (bi-annually per criteria for Silva RRW shut-down).
3 Metals analyzed at following wells locations:
- Arsenic (As) = 22A, 10B2
- Antimony (Sb) = 42A, SIL12A
- Cadmium (Cd) = 42A, 54A
- Lead (Pb) = RW-1(B1), RW-2(B1)

4 AS = Air Stripper
5 SIM = selective ion mode
6 US EPA Method 200.8 for Cu, and Se.
7 GAC = Granular Activated Carbon
EPA = Enivronmental Protection Agency
VOCs = Volitile Organic Compounds

Table 3
Regional Recovery Wells and Associated Treatment Systems
MEW Regional Groundwater Remediation Program
Mountain View, California

Treatment System	Regional Recovery Wells By Aquifer				
	A	**B1**	**B2**	**B3**	**C/Deep**
Regional Remediation Program Treatment Systems					
North of 101	REG-2A REG-3A REG-4A REG-5A REG-6A REG-7A REG-8A REG-9A	REG-5B(1) REG-6B(1) REG-7B(1) REG-8B(1) REG-9B(1) REG-10B(1) REG-12B(1)			
South of 101	REG-1A REG-10A REG-11A REG-12A	REG-1B(1) REG-2B(1) REG-3B(1) REG-11B(1)	REG-1B(2) REG-3B(2)		
Fairchild Treatment Systems					
System 1		REG-4B(1)	38B2		
System 3	RW-9A	RW-9(B1)	RW-9(B2)		
System 19				65B3	DW3-219 [1] DW3-244 [2] DW3-334 [2] DW3-364 [2] DW3-505R [3]

Notes:
1. Well was originally turned off in 2002, operated temporarily from 29 July 2005 through 19 June 2006, and has remained off since that time with EPA approval.
2. Well was turned off with EPA approval in November 2006.
3. Well was turned off with EPA approval in 2002.

Table 4
2011 Monthly VOC Mass Removal
MEW Regional Groundwater Remediation Program
Mountain View, CA

	Total Groundwater Extracted[1] (gallons)	Influent VOC Concentration[2] (mg/L)	Total VOC Mass Removed[3] (pounds)
North of 101			
January	4,557,763	0.95	36.1
February	4,583,352	1.03	39.2
March	6,084,630	0.95	48.1
April	4,809,873	0.90	36.1
May	4,593,127	1.01	38.6
June	5,903,020	0.87	42.8
July	4,502,363	0.94	35.2
August	4,721,718	0.98	38.5
September	3,346,506	0.95	26.4
October	5,012,885	0.92	38.5
November	4,407,436	0.84	30.9
December	4,136,385	0.84	28.8
2011 Cumulative	56,659,058		439.05
South of 101			
January	2,696,450	1.42	31.8
February	2,582,560		30.5
March	3,260,830		38.5
April	2,377,310	1.11	22.0
May	2,834,190		26.2
June	3,120,510		28.9
July	2,582,620	1.33	28.6
August	3,558,900		39.5
September	2,674,230		29.6
October	2,601,300	1.24	26.8
November	3,117,970		32.1
December	2,424,060		25.0
2011 Cumulative	33,830,930		359.4

Notes:

1. Total groundwater extracted each month was obtained from the NPDES quarterly reports.
2. Influent VOC concentrations were obtained from the NPDES quarterly reports. System influent samples are analyzed monthly for North of 101 System and quarterly for South of 101 System.
3. Total VOC Mass Removed was obtained from the NPDES quarterly reports and is calculated by multiplying Total Groundwater Extracted (gallons) by the influent VOC concentration (mg/L) and a Unit Conversion factor of 0.00000833, based on 3.785 L/gal and $2.2X10^{-6}$ lbs/mg.
4. Cumulative values were obtained from the NPDES quarterly reports.

mg/L = milligrams per liter
lbs/mg = pounds per milligram
L/gal = liters per gallon
NPDES = National Pollutant Discharge Elimination System
VOC = Volatile Organic Compound

Table 5
2011 Treatment System VOC Sampling Results
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Date	Constituent (concentration in µg/L and method is 8260B)												
		Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,4-Dioxane[1]	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride
North 101														
Air Stripper I Influent	1/12/2011	<10	5.3	<5	8.1	210	5.1	3	<20	<20	<5	<5	720	<5
Air Stripper I Influent	2/9/2011	<10	<5	<5	7.1	200	<5		<20	<20	<5	<5	820	<5
Air Stripper I Influent	3/9/2011	<10	<5	<5	9	200	<5		<20	<20	<5	<5	740	<5
Air Stripper I Influent	4/6/2011	<10	<5	<5	7.8	180	<5		<20	<20	<5	<5	710	<5
Air Stripper I Influent	5/4/2011							4						
Air Stripper I Influent	5/11/2011	<10	6.3	<5	8.6	200	12		<20	<20	<5	<5	780	<5
Air Stripper I Influent	6/1/2011	<10	5.1	<5	9.4	210	5.2		<20	<20	<5	<5	640	<5
Air Stripper I Influent	7/15/2011	<10	<5	<5	8.6	190	<5		<20	<20	<5	<5	740	<5
Air Stripper I Influent	8/10/2011	<10	<5	<5	8.9	210	<5	2.1	<20	<20	<5	<5	760	<5
Air Stripper I Influent	9/6/2011	<10	<5	<5	7.9	190	7.8		<20	<20	<5	<5	740	<5
Air Stripper I Influent	10/5/2011	<10	<5	<5	<5	180	12		<20	<20	<5	<5	730	<5
Air Stripper I Influent	11/2/2011	<10	<5	<5	6	180	6.4	2.6	<20	<20	<5	<5	650	<5
Air Stripper I Influent	12/2/2011	<10	<5	<5	6.1	170	<5		<20	<20	<5	<5	660	<5
Air Stripper 2 Influent	1/12/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	2/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	3/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	4/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	5/11/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	6/1/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	7/15/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	8/10/2011	<1	<0.5	<0.5	<0.5	0.6	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	9/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	10/5/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	11/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
Air Stripper 2 Influent	12/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	1/12/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	1/12/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	3.2	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	1/26/2011							2.9						
System Effluent	2/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	2/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	3/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	3.3	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	3/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	3	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	4/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	4/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	5/4/2011							4.2						
System Effluent	5/4/2011							4.3						
System Effluent	5/11/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	5/11/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	6/1/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.99	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	6/1/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	7/15/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	7/15/2011	<1	<0.5	<0.5	<0.5	0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5

Table 5
2011 Treatment System VOC Sampling Results
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Date	Constituent (concentration in µg/L and method is 8260B)												
		Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,4-Dioxane[1]	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride
System Effluent	7/26/2011							1.9						
System Effluent	7/26/2011							1.9						
System Effluent	8/10/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	8/10/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	9/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	9/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.2	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	10/5/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	10/5/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	11/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	11/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	2.5	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	12/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	12/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<2	<2	<0.5	<0.5	<0.5	<0.5
South 101														
System Influent	2/9/2011	<25	<13	<13	<13	38	<13		80	<50	<13	<13	1300	<13
System Influent	5/11/2011	<13	<6.3	<6.3	<6.3	44	<6.3	<0.99	67	<25	<6.3	<6.3	1000	<6.3
System Influent	8/10/2011	<2	1.3	<1	2.7	46	3		76	<4	1.2	1.1	1200	<1
System Influent	11/2/2011	<2	1.3	<1	3.7	45	2		81	<4	1.5	1.7	1100	<1
System Midpoint I	1/14/2011	<1	<0.5	<0.5	<0.5	1.8	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	2/9/2011	<1	1	<0.5	<0.5	4	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	3/16/2011	<1	2.5	<0.5	<0.5	11	<0.5		3.5	<2	<0.5	<0.5	2.4	<0.5
System Midpoint I	4/4/2011	<1	3.2	<0.5	0.9	25	<0.5		7.8	<2	<0.5	<0.5	6.9	<0.5
System Midpoint I	5/11/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	6/1/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	7/26/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	8/10/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	9/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	10/5/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	11/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint I	12/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Midpoint 2	2/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	2.7	<0.5
System Midpoint 2	3/16/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	2.5	<0.5
System Midpoint 2	4/4/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	2.5	<0.5
System Midpoint 2	5/11/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	2.3	<0.5
System Midpoint 2	6/1/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	1.9	<0.5
System Midpoint 2	7/26/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	1.9	<0.5
System Midpoint 2	8/10/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	1.6	<0.5
System Midpoint 2	9/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	1.7	<0.5
System Midpoint 2	10/5/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	1.4	<0.5
System Midpoint 2	11/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	1.5	<0.5
System Midpoint 2	12/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	1.2	<0.5
System Effluent	1/14/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	2/9/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	3/16/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5

Table 5

2011 Treatment System VOC Sampling Results

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Date	Constituent (concentration in µg/L and method is 8260B)												
		Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	1,4-Dioxane[1]	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride
System Effluent	4/4/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	5/11/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.99	<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	6/1/2011	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	7/26/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	8/10/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	9/6/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	10/5/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	11/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5
System Effluent	12/2/2011	<1	<0.5	<0.5	<0.5	<0.5	<0.5		<2	<2	<0.5	<0.5	<0.5	<0.5

Notes:
1,1-DCA = 1,1-Dichloroethane
1,2-DCA = 1,2-Dichloroethane
1,1-DCE = 1,2-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
PCE = Tetrachloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
µg/L = Micrograms per Liter
(1) 1,4-dioxane analyzed by method 8270C SIM

Table 6
Target and 2011 Average Recovery Well Flow Rates
MEW Regional Groundwater Remediation Program
Mountain View, CA

Extraction Wells	Target Flow Rate[1] (gpm)	Average 2011 Flow Rate[2] (gpm)
North of 101		
REG-2A	10.6	9.8
REG-3A	7.0	6.6
REG-4A	9.0	7.4
REG-5A	19.3	11.4
REG-8A	6.9	7.2
REG-5B(1)	17.3	16.9
REG-6B(1)	8.0	5.2
REG-7B(1)	12.0	12.4
REG-6A	4.9	3.6
REG-7A	12.8	8.8
REG-9A	7.7	8.0
REG-8B(1)	11.3	4.8
REG-9B(1)	5.3	5.8
REG-10B(1)	12.8	9.2
REG-12B(1)	10.4	8.5
South of 101		
REG-1A	11.4	11.5
REG-10A	3.0	3.2
REG-11A	4.5	4.6
REG-2B(1)	3.5	3.7
REG-3B(1)	6.0	6.1
REG-11B(1)	5.2	5.1
REG-3B(2)	4.5	4.1
REG-12A	10.0	9.9
REG-1B(1)	15.4	13.8
REG-1B(2)	3.5	1.6

Notes:

1. Target flow rates were assigned in August 2007 based on the January 2006 average flow rates (Weiss, 2006). Since that time, target flow rates for four wells have been adjusted based on well yield. Target rates for REG-7B(1) and REG-10A were increased in October 2008 to reduce required maintenance. Target rates for wells REG-3A and REG-4A were decreased in October 2008 because the yield from these wells had decreased despite redevelopment.

2. Average 2011 flow rate was calculated by dividing the total volume of groundwater recovered by the time in minutes between the totalizer readings. The North of 101 and South of 101 totalizer readings were recorded on 29 December 2010 and 28 December 2011.

gpm = gallons per minute

Table 7

2011 Monthly Average Recovery Well Flow Rates

MEW Regional Groundwater Remediation Program

Mountain View, CA

Extraction Well	2011 Average Monthly Flow Rate[1] (gpm)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
North of 101												
REG-2A	8.6	9.6	11.2	11.0	10.3	9.9	9.2	9.4	9.7	9.7	9.5	9.9
REG-3A	6.1	6.4	7.2	7.1	7.0	7.1	7.0	6.6	6.2	6.2	6.0	6.6
REG-4A	8.1	8.4	7.5	7.2	7.0	7.3	7.0	6.9	7.5	7.4	7.3	7.1
REG-5A	13.6	13.1	13.7	13.5	12.3	11.8	10.9	10.4	9.6	9.2	9.1	9.1
REG-8A	7.2	7.1	7.3	7.3	7.2	7.4	7.0	6.8	7.3	7.3	7.2	7.0
REG-5B(1)	17.4	17.2	17.6	17.6	17.3	17.5	17.1	15.8	18.3	12.9	17.0	16.5
REG-6B(1)	5.2	4.4	5.0	5.4	5.3	5.4	5.3	5.0	5.5	5.4	5.3	5.2
REG-7B(1)	12.5	12.3	12.6	12.6	12.4	12.6	12.3	11.7	12.2	12.6	12.4	12.2
REG-6A	3.1	3.4	4.0	3.8	3.0	3.3	3.8	3.8	4.1	4.0	3.5	3.9
REG-7A	10.4	10.6	12.7	11.3	11.0	7.8	5.6	7.4	9.5	8.0	6.3	4.8
REG-9A	8.1	8.0	8.2	8.2	8.1	8.2	8.0	7.6	8.2	8.2	8.0	7.7
REG-8B(1)	4.7	5.1	5.2	5.0	4.7	4.8	4.6	4.6	4.8	4.7	4.6	4.6
REG-9B(1)	6.0	5.9	6.1	6.1	6.0	6.1	5.9	5.7	6.1	6.1	6.0	4.0
REG-10B(1)	10.6	10.6	10.2	10.2	10.0	10.2	8.4	7.6	8.3	8.2	8.0	7.9
REG-12B(1)	8.9	8.7	8.8	8.6	8.4	8.6	8.3	8.0	8.6	8.6	8.3	8.1
South of 101												
REG-1A	11.4	10.2	11.8	11.2	11.8	11.8	11.5	11.7	11.7	11.4	11.4	11.4
REG-10A	4.0	3.4	3.4	3.2	3.1	2.9	3.4	3.3	3.3	3.1	3.1	2.9
REG-11A	4.9	3.6	3.5	3.6	4.4	4.9	4.8	5.6	5.7	5.2	4.6	4.6
REG-2B(1)	4.0	3.7	4.1	3.6	3.6	3.6	3.9	3.7	3.5	3.3	3.9	3.7
REG-3B(1)	5.9	5.2	5.6	5.4	5.4	5.8	6.2	6.5	6.9	6.7	6.8	6.6
REG-11B(1)	5.2	5.0	4.9	4.4	5.1	5.2	5.4	5.9	5.7	5.2	4.9	3.8
REG-3B(2)	4.8	4.2	4.5	4.1	4.2	4.1	3.8	4.1	4.1	3.9	3.9	3.8
REG-12A	9.6	9.0	9.1	8.3	9.8	9.9	9.9	11.4	11.5	10.4	9.9	9.9
REG-1B(1)	15.0	13.8	15.3	14.1	15.6	16.2	15.7	15.9	11.4	12.5	11.0	8.6
REG-1B(2)	1.7	1.9	1.7	1.4	1.4	1.5	1.4	1.5	1.6	1.5	1.6	1.6

Notes:

1. Monthly average extraction well flow rate for each well was calculated by dividing the volume of groundwater extracted by the time (minutes) between the effluent totalizer readings (generally taken last Monday of each month).

gpm = gallons per minute

Table 8A
Summary of 2011 Operation and Maintenance Activities North of 101
MEW Regional Groundwater Remediation Program
Mountain View, CA

Date	Component	Off-line Time	Event/Alert	Diagnosis and Response	Regulatory Notification[1]
January 4, 2011	Treatment System	4 hours	Carbon change.	System was restarted.	Not Required
January 15 - January 18, 2011	REG-8B(1)	65 hours	Low flow alerts.	Paddle wheel was cleaned, and the well was restarted.	Not Required
January 18, 2011	REG-6B(1)	3 hours	Pump replacement.	Well was restarted.	Not Required
February 8, 2011	Treatment System	8 hours	Multiple vault high level alerts.	Alerts were set off during annual vault inspections.	Not Required
February 18, 2011	Treatment System	4 hours	Multiple alerts.	Alerts were sent in error, and are attributed to a power service interruption.	Not Required
February 24, 2011	Treatment System	2 hours	Multiple vault high level alerts.	Alerts were set off during annual vault inspections.	Not Required
March 2, 2011	Treatment System	< 1 hour	Vault high level alert.	Alert was associated with a depth probe replacement at REG-6B(1)	Not Required
March 30 - April 4, 2011	REG-7A	70 hours	Multiple pump fault alerts.	The VFD had an overload fault. The filter on the field box fan was cleaned and the well was restarted. The VFD programming was checked, and overload amperage and temperature settings were changed.	Not Required
April 6, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
April 27-28, 2011	Treatment System	< 1 hour	Multiple alerts.	The re-use vault had excess water in it. Water was pumped out and treated by the system.	Not Required
May 11, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
May 16 - May 17, 2011	REG-4A	12 hours	Low flow alert.	The flow meter paddle wheel was coated with scale and debris. It was cleaned and the well was restarted.	Not Required
May 24 - May 25, 2011	Treatment System	11 hours	AS-2 level alert.	The alert was caused by a power service interruption. The system was restarted.	Not Required
June 1, 2011	Treatment System	3 hours	Multiple alerts.	Alerts were set off during quarterly O&M testing. System was restarted.	Not Required
June 15 - 16, 2011	REG-7A	10 hours	Low flow alert.	The flow meter paddle wheel was fouled. It was cleaned and the well was restarted.	Not Required
June 17 - 20, 2011	REG-5A	6 hours	Multiple low flow alerts.	The well's sustainable pumping rate was exceeded. The flow rate was lowered from 12.5 gpm to 11.0 gpm.	Not Required
June 28, 2011	Treatment System, REG-7B(1), REG-8A	1 hour	Multiple vault high level alerts.	The alerts were triggered during the repair and replacement of the level switches in the two vaults.	Not Required
July 4-5, 2011	REG-10B(1)	22 hours	Low flow alert.	Well was restarted.	Not Required
July 10, 2011	REG-10B(1)	< 1 hour	Low flow alert.	The well's sustainable pumping rate was exceeded. The flow rate was lowered from 10 gpm to 7 gpm.	Not Required
July 26-28, 2011	Treatment System, AS-1 Blower	47 hours	AS-1 blower failed.	Treatment system was shut down, and a new blower was installed.	Not Required
July 29, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
July 31 - August 1, 2011	Treatment System	30 hours	Multiple leak detect vault high level alerts.	The power to the leak detects was defective because of a main circuit disconnect. Replacement parts were installed.	Not Required
August 3, 2011	Treatment System	1 hour	Manual shut down.	Treatment system was shut down to allow for changing of the blower oil in the AS-1 blower.	Not Required
August 4, 2011	REG-2A	2 hours	Pump replacement.	Well was restarted.	Not Required
August 12, 2011	Treatment System	2 hours	Carbon change.	System was restarted.	Not Required
August 12, 2011	Treatment System, LDV-B2	1 hour	Leak detect vault high level alert.	The control wires were damaged by an animal. The wires were repaired.	Not Required

Table 8A
Summary of 2011 Operation and Maintenance Activities North of 101
MEW Regional Groundwater Remediation Program
Mountain View, CA

Date	Component	Off-line Time	Event/Alert	Diagnosis and Response	Regulatory Notification[1]
August 19, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
August 19, 2011	REG-7A	2 hours	Pump replacement.	Well was restarted.	Not Required
September 22, 2011	Treatment System, REG-3A	1 hour	Manual shutdown.	Treatment system was shut down to allow for replacement of a fuse switch at REG-3A.	Not Required
September 22 - 23, 2011	REG-7B(1)	29 hours	Well cycled off and did not call an alert.	Pressure transducer malfunctioned and was replaced.	Not Required
September 28, 2011	Treatment System	< 1 hour	Manual shutdown.	Treatment system was shut down to allow for repair of the discharge flow meter.	Not Required
October 5, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
October 5, 2011	REG-7B(1)	< 1 hour	Pump low flow.	Flow meter paddle wheel and electrical connections were checked. Well was restarted.	Not Required
October 12-14, 2011	REG-5B(1)	45 hours	Well showed erratic flow.	The transmitter had failed. The flow meter assembly was replaced, and the well was restarted.	Not Required
November 2, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during annual O&M testing. System was restarted.	Not Required
November 6, 2011	REG-7A	26 hours	Pump fault alert.	Current draw exceeded the VFD overcurrent setting. VFD was reprogrammed, and pump was restarted.	Not Required
November 7, 2011	Treatment System	2 hours	Blower B-2 fault alert.	Alert was set off during annual O&M testing. System was restarted.	Not Required
November 7 - 8, 2011	Treatment System	2 hours	Multiple leak detect vault high level alerts.	A fuse was blown November 7, 2011. Fuse was replaced, system was restarted. A different fuse was blown November 8, 2011. Fuse was replaced, system was restarted.	Not Required
November 11, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during annual O&M testing. System was restarted.	Not Required
November 17, 2011	Treatment System	4 hours	Air stripper AS-2 level alert.	Alert was set off during maintenance on anti-siphon valve.	Not Required
November 21, 2011	Treatment System	7 hours	Air stripper AS-2 level alert.	System was shut down for air stripper AS-1 cleaning.	Not Required
November 22, 2011	Treatment System	7 hours	Air stripper AS-2 level alert.	System was shut down for air stripper AS-2 cleaning.	Not Required
November 30, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
November 30, 2011	REG-5A	1 hour	Low flow alert.	Well was restarted.	Not Required
December 5, 2011	Treatment System	5 hours	Air stripper AS-2 low-low alert.	Alert was set off while performing maintenance on the air release valves.	Not Required
December 6, 2011	Treatment System	5 hours	Carbon change.	System was restarted.	Not Required
December 7, 2011	Treatment System, LDV-A3	3 hours	Multiple alerts.	Alerts set off during containment pipe retrofit. System was restarted.	Not Required
December 8, 2011	Treatment System, LDV-A4, LDV-B2	4 hours	Multiple alerts.	Alerts set off during containment pipe retrofit. System was restarted.	Not Required
December 12, 2011	Treatment System, LDV-A5	< 1 hour	Multiple alerts.	Alerts set off during containment pipe retrofit. System was restarted.	Not Required
December 14, 2011	Treatment System	3 hours	Multiple alerts.	Alerts were set off during quarterly O&M testing. System was restarted.	Not Required
December 16, 2011	Treatment System	3 hours	Multiple alerts.	Alerts set off during air stripper maintenance on AS-1.	Not Required
December 27, 2011	Treatment System, REG-9B(1)	< 1 hour	Vault high level alert.	Alert was triggered during maintenance on REG-9B(1). System was restarted.	Not Required
December 27, 2011	REG-7A	< 1 hour	Well did not restart after the previous vault high level alert.	Flow meter had fouled. It was cleaned, and well was restarted.	Not Required

Table 8A
Summary of 2011 Operation and Maintenance Activities North of 101
MEW Regional Groundwater Remediation Program
Mountain View, CA

Date	Component	Off-line Time	Event/Alert	Diagnosis and Response	Regulatory Notification[1]
December 27, 2011	REG-8B(1)	1 hour	Well did not restart after the previous vault high level alert.	VFD had tripped. It was reset, and well was restarted.	Not Required
December 30, 2011	Treatment System, REG-9B(1)	3 hours	Manual shutdown.	Treatment system was shut down to allow for a pump replacement at REG-9B(1). System was restarted.	Not Required

Notes:

The system operated 98.9% of the time in 2011 excluding planned system shutdowns for routine maintenance. Including planned shut downs, the system operated 98.1% of the time. System is considered to be down only when the entire treatment system is shut down. For example, if an extraction well is off-line for 5 hrs but the treatment system remains on-line, the system is not considered off-line and the uptime percentage is not affected.

1 = The EPA is required to be notified if the treatment system or an extraction well is shut down for 72 consecutive hours. The Water Board is required to be notified if the treatment system is shut down for more than 120 consecutive hours.

gpm = gallons per minute
MEW = Middlefield-Ellis-Whisman
O&M = operation and maintenance
RGRP = Regional Groundwater Remediation Program
VFD = variable frequency drive
< = less than

Table 8B
Summary of 2011 Operation and Maintenance Activities South of 101
MEW Regional Groundwater Remediation Program
Mountain View, CA

Date	Component	Off-line Time	Event/Alert	Diagnosis and Response	Regulatory Notification[1]
January 20, 2011	REG-2B(1)	3 hours	Low flow alert.	Well was restarted.	Not Required
January 24-26, 2011	REG-11A	38 hours	Pump fault alert.	Well was stopped due to the current unbalance setting in the pump saver. The unbalance was raised, and the well was restarted.	Not Required
January 31-February 2011	Treatment System,REG-10A, REG-2B(1), REG-11A, REG-3B(2), REG-11B(1),REG-3B(1), REG-1A	24 hours (treatment system),48 hours (listed wells)	Transfer pump malfunction.	The transfer pump would not restart due to a VFD card failure. A new VFD card was installed, but it did not communicate with the PLC. On February 1, 2011 the system was restarted with three wells running. An automation engineer from Sycal fixed the trouble on February 2, 2011.	Not Required
February 10 -11, 2011	Treatment System	25 hours	Manual shutdown.	System was shut down to cut and cap the decommissioned pipeline to Locus Technologies' truck washing station. System was restarted.	Not Required
February 16, 2011	REG-2B(1)	6 hours	Low flow alert.	Paddle wheel and axel were replaced.	Not Required
February 25, 2011	Treatment System	1 hour	Multiple vault high level alerts.	Alerts were set off during annual vault inspections. System was restarted.	Not Required
March 1, 2011	Treatment System	< 1 hour	Sump high level alert.	Sump strainer was cleaned.	Not Required
March 3, 2011	REG-10A, REG-2B(1), REG-11A, REG-3B(2), REG-11B(1), REG-3B(1), REG-1A	6 hours	Multiple vault high level alerts.	Alerts were set off during annual vault inspections. Wells were restarted.	Not Required
March 16, 2011	REG-1B(2)	4 hours	Low flow alert.	The flow rate was below the PLC alert set point, but current being drawn was too high above the undercurrent setting in the pump saver. The undercurrent was raised so the pump cycles on and off instead of calling low flow alerts.	Not Required
March 16, 2011	Treatment System	< 1 hour	Sump high level alert.	Alert was set off during quarterly O&M testing. System was restarted.	Not Required
April 4, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
April 14 - 15, 2011	Treatment System	24 hours	Carbon change.	Spent carbon was changed out in the primary 10,000 lb vessel with virgin coconut carbon. The system was restarted.	Not Required
May 3, 2011	Treatment System	< 1 hour	Multiple alerts.	The alerts were most likely caused by a power service interruption.	Not Required
May 11, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
June 1, 2011	Treatment System	< 1 hour	Sump high level alert.	Alert was set off during quarterly O&M testing. System was restarted.	Not Required
June 23 - 24, 2011	REG-10A	28 hours	Pump failed.	The pump was replaced. There were four splices in the drop wires and these wires were replaced.	Not Required
June 23, 2011	REG-2B(1)	3 hours	Low flow alerts.	The flow meter paddle wheel fouled. The paddle wheel was replaced and the well was restarted.	Not Required
July 26, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
August 5, 2011	REG-3B(1)	2 hours	Pump replacement.	Well was restarted.	Not Required
August 19, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
August 31, 2011	REG-1B(1)	3 hours	Low flow alert.	Motor starter had tripped. Pump saver was reset and the well was restarted.	Not Required

Table 8B
Summary of 2011 Operation and Maintenance Activities South of 101
MEW Regional Groundwater Remediation Program
Mountain View, CA

Date	Component	Off-line Time	Event/Alert	Diagnosis and Response	Regulatory Notification[1]
September 2 - 7, 2011	REG-1B(1)	146 hours (The well was not offline for 120 consecutive hours.)	Cycled off and did not call an alert.	Motor and motor control failed. Pump was replaced.	EPA was notified on September 6, 2011.
September 5 - 6, 2011	REG-1B(2)	12 hours	Low flow and pump fault alerts.	Undercurrent was raised and the flow was increased from 4 to 6 gpm.	Not Required
September 13, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during quarterly O&M testing. System was restarted.	Not Required
October 6, 2011	Treatment System	< 1 hour	Multiple alerts.	Alerts were set off during monthly O&M testing. System was restarted.	Not Required
October 20, 2011	Treatment System	< 1 hour	Sump high level alert.	Alert was triggered while treating purge water. System was restarted.	Not Required
October 20 - 21, 2011	REG-1B(1), REG-1B(2), REG-12A	25 hours	Wells did not restart after the previous sump high level alert.	Wells were restarted.	Not Required
November 2, 2011	Treatment System	< 1 hour	Sump high level alert.	Alert was set off during annual O&M testing. System was restarted.	Not Required
November 30 - December 5, 2011	REG-11B(1)	90 hours (The well was not offline for 72 consecutive hours.)	Well started cycling.	The pump motor was failing. Pump was replaced December 5, 2011.	Not Required
December 4 - 12, 2011	REG-3B(2)	30 hours	Multiple low flow alerts.	Motor saver was replaced.	Not Required
December 15, 2011	Treatment System	< 1 hour	Sump high level alert.	Alert was set off during quarterly O&M testing. System was restarted.	Not Required
December 15 - 16, 2011	REG-1B(1), REG-1B(2), REG-12A	28 hours	Wells did not restart after the previous sump high level alert.	Wells were restarted.	Not Required

Notes:

The system operated 99.7% of the time in 2011 excluding planned system shutdowns for routine maintenance. Including planned shutdowns, the system operated 99.2% of the time. System is considered to be down only when the entire treatment system is shut down. For example, if an extraction well is off-line for 5 hours but the treatment system remains on-line, the system is not considered off-line, and the uptime percentage is not affected.

1 = The EPA is required to be notified if the treatment system or an extraction well is shut down for 72 consecutive hours. The Water Board is required to be notified if the treatment system is shut down for more than 120 consecutive hours.

EPA = United States Environmental Protection Agency
gpm = gallons per minute
MEW = Middlefield-Ellis-Whisman
O&M = operations and maintenance
PLC = programmable logic controller
RGRP = Regional Groundwater Remediation Program
VFD = variable frequency drive
< = less than

Table 9

RGRP Monitoring Well and Extraction Well Construction Summary

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
A/A1 Zone								
65A	1982	Fairchild (North of 101)	28.04	4	29	19 - 29	7 - 29	MW
72A	1985	Fairchild (North of 101)	32.82	4	27	20 - 25	15 - 27	MW
73A	1985	Fairchild (North of 101)	21.62	4	27	15 - 25	9 - 27	MW
74A	1985	Fairchild (North of 101)	27.96	4	27	15 - 25	9 - 27	MW
75A	1985	Fairchild (North of 101)	29.97	4	30	18 - 28	16 - 30	MW
81A	1985	Fairchild (North of 101)	21.89	4	25	13 - 23	11 - 25	MW
82A	1985	Fairchild (North of 101)	27.69	4	33	15 - 30	13 - 33	MW
88A	1986	Fairchild (North of 101)	20.21	4	32	20 - 30	16 - 32	MW
89A	1986	Fairchild (North of 101)	17.20	4	30	18 - 28	16 - 30	MW
92A	1986	Fairchild (North of 101)	6.67	4	35	18 - 33	16 - 35	MW
93A	1986	Fairchild (North of 101)	5.90	4	30	18 - 28	16 - 30	MW
95A	1986	Fairchild (North of 101)	6.65	4	30	18 - 28	16 - 30	MW
1A	1982	Fairchild (South of 101)	58.55	4	40	20 - 40	10 - 40	MW
20A	1982	Fairchild (South of 101)	51.37	2	30	15 - 30	15 - 30	MW
21A	1982	Fairchild (South of 101)	53.72	2	30	14 - 30	12 - 30	MW
23A	1982	Fairchild (South of 101)	50.56	2	30	14 - 30	14 - 30	MW
26A	1982	Fairchild (South of 101)	47.20	2	30	12 - 30	10 - 30	MW
29A	1982	Fairchild (South of 101)	46.08	2	30	15 - 30	10 - 30	MW
45A	1982	Fairchild (South of 101)	43.70	2	25	13 - 25	13 - 25	MW
61A	1982	Fairchild (South of 101)	37.18	2	31	16 - 31	10 - 31	MW
62A	1982	Fairchild (South of 101)	37.88	2	30	10 - 30	10 - 30	MW
77A	1985	Fairchild (South of 101)	52.59	4	30	23 - 28	21 - 30	MW
78A	1985	Fairchild (South of 101)	46.44	4	34	22 - 32	18.5 - 34	MW
79A	1985	Fairchild (South of 101)	36.61	4	24	13 - 23	10 - 24	MW
99A	1986	Fairchild (South of 101)	48.26	4	29	9.5 - 24.5	8 - 29	MW
109A	1986	Fairchild (South of 101)	41.61	4	28	12 - 27	7.5 - 28	MW
134A	1986	Fairchild (South of 101)	53.44	4	32	20 - 30	18 - 32	MW
142A	1986	Fairchild (South of 101)	57.27	4	29	22 - 27	20 - 29	MW
144A	1986	Fairchild (South of 101)	59.41	4	40	23 - 38	20 - 40	MW
153A	1991	Fairchild (South of 101)	45.70	4	23	13 - 23	12 - 25	MW

Table 9

RGRP Monitoring Well and Extraction Well Construction Summary

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
162A	2000	Fairchild (South of 101)	36.47	4	28	8 - 28	7 - 31	MW
173A	2002	Fairchild (South of 101)	50.83		30.0	19 - 29		MW
IM9A	1986	Intel (South of 101)	64.66		44.7	27.8 - 37.8	26 - 39.8	MW
REG-2A	1998	MEW RGRP (North of 101)	32.33	6	25	10 - 25	9 - 27	RW
REG-3A	1998	MEW RGRP (North of 101)	24.26	6	28	13 - 28	12 - 30.5	RW
REG-4A	1998	MEW RGRP (North of 101)	25.22	6	31	16 - 31	14 - 33	RW
REG-5A	1998	MEW RGRP (North of 101)	29.40	6	29	14 - 29	13 - 30.5	RW
REG-6A	1998	MEW RGRP (North of 101)	13.45	6	29	24 - 29	21 - 31	RW
REG-7A	1998	MEW RGRP (North of 101)	17.11	6	27	12 - 27	11 - 28.5	RW
REG-8A	1998	MEW RGRP (North of 101)	28.72	6	31	21 - 31	18 - 34	RW
REG-9A	1998	MEW RGRP (North of 101)	24.14	6	27	17 - 27	15 - 28.5	RW
REG-1A	1997	MEW RGRP (South of 101)	35.60	6	42	22 - 42	19 - 45	RW
REG-10A	1997	MEW RGRP (South of 101)	34.83	6	40	15 - 40	12 - 42	RW
REG-11A	1997	MEW RGRP (South of 101)	35.15	6	49	29 - 49	26 - 50	RW
REG-12A	1997	MEW RGRP (South of 101)	38.04	6	28	12 - 27	11 - 30	RW
REG-MW-1A	1997	MEW RGRP (South of 101)	41.00	6	36	20 - 35	17 - 37	MW
REG-MW-2A	1997	MEW RGRP (South of 101)	38.11	6	29.5	18.5 - 28.5	15.5 - 29.5	MW
RW-9A	1997	MEW RGRP (South of 101)	37.83	6	25	13 - 23	10 - 25	RW
14D02A	1988	NASA (North of 101)	10.15	8	25	5 - 25	5 - 25	MW
14D09A	1990	NASA (North of 101)	15.81	8	16.5	6 - 15	5 - 10.5	MW
14D13A	1991	NASA (North of 101)	13.19	8	17	7 - 17	6 - 17	MW
14E14A	1990	NASA (North of 101)	21.64	8	21.5		7 - 19	MW
15H05A	1988	NASA (North of 101)	18.69	8	31.5		5 - 31	MW
R22A	1985	Raytheon (South of 101)	73.00		47.5	27 - 47	25 - 47.5	MW
R24A	1985	Raytheon (South of 101)	70.05		38	17 - 37	15 - 38	MW
R25A	1985	Raytheon (South of 101)	59.20		34	14 - 34	12 - 34	MW
R29A	1985	Raytheon (South of 101)	36.00		26	6 - 26	4 - 26	MW
R31A	1985	Raytheon (South of 101)	34.00		24	14 - 24	12 - 24	MW
R32A	1985	Raytheon (South of 101)	35.61		29	9 - 29	7 - 29	MW
R43A	1985	Raytheon (South of 101)	46.00		31	10 - 30	7 - 31	MW
R46A	1987	Raytheon (South of 101)	73.00		45	32 - 41	29 - 43	MW

Table 9

RGRP Monitoring Well and Extraction Well Construction Summary

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
R57A	1987	Raytheon (South of 101)	53.71		33	20.5 - 32	18.5 - 33	MW
R59A	1987	Raytheon (South of 101)	54.69		27.3	14.5 - 26	12.5 - 27.3	MW
SIL4A	1985	Siltec (South of 101)	44.15		27	12 - 27	6 - 27	MW
SIL12A	1985	Siltec (South of 101)	43.25		36	16 - 36	13 - 36	MW
W9-16		U.S. Navy (North of 101)	22.42	4	30.5	19 - 29	17 - 30	MW
W9-38		U.S. Navy (North of 101)	22.59	4	28.7	13 - 23	9 - 23	MW
W12-6		U.S. Navy (North of 101)	7.5	4	30	20 - 25		MW
W14-3	1988	U.S. Navy (North of 101)	31.37	4	35	15 - 30	13 - 33	MW
W60-2		U.S. Navy (North of 101)	31.42	4	35.5	20 - 35.5		MW
W89-1	1990	U.S. Navy (North of 101)	33.57	12	30	17.5 - 27.5	15.5 - 30	MW
W89-2	1990	U.S. Navy (North of 101)	30.98	12	30	17 - 27	15 - 30	MW
W89-03A-R		U.S. Navy (North of 101)	33.23					MW
W89-04A-R		U.S. Navy (North of 101)	33.25					MW
W89-5	1990	U.S. Navy (North of 101)	25.61	12	25	15 - 25	13 - 25	MW
W89-7	1990	U.S. Navy (North of 101)	24.15	12	25	15 - 25	13 - 25	MW
W89-8	1990	U.S. Navy (North of 101)	21.77	12	27	17 - 27	15 - 27	MW
W89-9	1990	U.S. Navy (North of 101)	21.78	12	25	14.5 - 24.5	12.5 - 24.5	MW
WT14-1	1990	U.S. Navy (North of 101)	24.80	10	18	7.8 - 17.8	6 - 0	MW
WU4-1		U.S. Navy (North of 101)	34.97	4	30	18.8 - 28.8		MW
WU4-3		U.S. Navy (North of 101)	25.21	4	31	25.5 - 30.5		MW
WU4-16		U.S. Navy (North of 101)	13.89	4	27.5	17 - 27.5		MW
WU4-18		U.S. Navy (North of 101)	8.17	4	24.5	9 - 24		MW
A2/B1 Zone								
46B1	1985	Fairchild (North of 101)	22.13	4	50	38 - 48	35.5 - 50	MW
47B1	1985	Fairchild (North of 101)	21.51	4	64	57 - 62	53 - 64	MW
48B1	1985	Fairchild (North of 101)	28.07	4	55	48 - 53	46 - 55	MW
49B1	1985	Fairchild (North of 101)	27.89	4	71	64 - 68	62 - 71	MW
50B1	1985	Fairchild (North of 101)	27.79	4	83	72 - 82	70 - 83	MW
68B1	1985	Fairchild (North of 101)	29.85	4	52	46 - 51	44 - 52	MW
78B1	1986	Fairchild (North of 101)	20.64	4	51	39 - 49	37 - 51	MW
79B1	1986	Fairchild (North of 101)	17.08	4	54	42 - 52	38 - 54	MW

Table 9

RGRP Monitoring Well and Extraction Well Construction Summary

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
81B1	1986	Fairchild (North of 101)	9.20	4	50	38 - 48	35.5 - 50	MW
83B1	1986	Fairchild (North of 101)	5.80	4	58	46 - 56	37.5 - 58	MW
87B1	1986	Fairchild (North of 101)	25.10	4	57	45 - 55	43 - 57	MW
139B1	1988	Fairchild (North of 101)	7.06	4	70	55 - 70	51 - 73	MW
154B1	2001	Fairchild (North of 101)	12.78	2	42	32 - 42	31 - 44	MW
155B1	2001	Fairchild (North of 101)	19.74	2	62			MW
8B1	1982	Fairchild (South of 101)	40.96	4	78	68 - 78	50 - 78	MW
13B1	1985	Fairchild (South of 101)	34.80	4	69	62 - 67	55.5 - 69	MW
14B1	1985	Fairchild (South of 101)	35.68	4	64	51 - 61	47.5 - 64	MW
26B1	1985	Fairchild (South of 101)	52.61	4	65	58 - 63	56.5 - 65	MW
32B1	1985	Fairchild (South of 101)	38.03	4	76	64 - 74	59 - 76	MW
33B1	1985	Fairchild (South of 101)	46.30	4	70		54 - 70	MW
56B1	1985	Fairchild (South of 101)	42.14	4	60	56 - 59	52 - 60	MW
67B1	1985	Fairchild (South of 101)	36.93	4	67	56 - 62	52 - 67	MW
74B1	1986	Fairchild (South of 101)	51.84	4	68	56 - 66	53 - 68	MW
77B1	1986	Fairchild (South of 101)	40.96	4	60.5	53 - 58	50 - 60.5	MW
91B1	1986	Fairchild (South of 101)	48.44	4	60	48 - 58	43 - 60	MW
92B1	1986	Fairchild (South of 101)	46.99	4	68	55 - 65	50 - 68	MW
98B1	1986	Fairchild (South of 101)	54.10	4	68	57 - 66	46 - 68	MW
103B1	1986	Fairchild (South of 101)	55.20	4	82	70 - 80	67 - 82	MW
105B1	1986	Fairchild (South of 101)	40.88	4	72	60 - 70	57 - 72	MW
112B1	1986	Fairchild (South of 101)	46.00	4	69	62 - 67	60 - 69	MW
119B1	1986	Fairchild (South of 101)	42.96		64	52 - 62	50 - 64	MW
122B1	1986	Fairchild (South of 101)	59.53	4	71	64 - 69	62 - 71	MW
124B1	1986	Fairchild (South of 101)	46.91	4	64	57 - 62	54 - 64	MW
140B1	1986	Fairchild (South of 101)	48.91	4	85	65 - 85	63 - 86	MW
143B1	1986	Fairchild (South of 101)	38.88	4	70	60 - 70	56 - 76	MW
RW-2(B1)	1986	Fairchild (South of 101)	48.18	6	59	46 - 56	45 - 59	RW
RW-4(B1)	1985	Fairchild (South of 101)	42.61	6	63	50 - 60	49 - 63	RW
I9B1	1984	Intel (South of 101)	70.92		80	56 - 80	56 - 80	MW
IM5B(1)	1986	Intel (South of 101)	60.16		62.2	49 - 59	47.2 - 62.2	MW

Table 9

RGRP Monitoring Well and Extraction Well Construction Summary

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
IM9B(1)	1986	Intel (South of 101)	65.04		71	58 - 68	55.5 - 71	MW
REG-5B(1)	1998	MEW RGRP (North of 101)	33.20	6	47	37 - 47	34 - 50	RW
REG-6B(1)	1998	MEW RGRP (North of 101)	24.65	6	59	49 - 59	46 -60.5	RW
REG-7B(1)	1998	MEW RGRP (North of 101)	24.32	6	58	48 - 58	47 - 60	RW
REG-8B(1)	1998	MEW RGRP (North of 101)	20.03	6	54	34 - 54	31 - 56	RW
REG-9B(1)	1998	MEW RGRP (North of 101)	13.60	6	42	32 - 42	31 - 44	RW
REG-10B(1)	1998	MEW RGRP (North of 101)	19.64	6	52	32 - 52	29 - 53.5	RW
REG-12B(1)		MEW RGRP (North of 101)	32.38	6		60 - 65		RW
ME1B1	1985	MEW RGRP (South of 101)			79	69 - 74	65.3 - 79	MW
ME2B1	1985	MEW RGRP (South of 101)			79	64 - 74	61.2 - 79	MW
NEC8B1	1983	MEW RGRP (South of 101)	42.68	2	58	38 - 58	37 - 58	MW
NEC14B1	1989	MEW RGRP (South of 101)	46.82	4	71	59 - 69	57 - 71	MW
NEC18B1	1989	MEW RGRP (South of 101)	59.87	4	70.5	63 - 67	61 - 70.5	MW
REG-1B(1)	1997	MEW RGRP (South of 101)	38.15	6	76	59 - 74	56 - 76	RW
REG-2B(1)	1997	MEW RGRP (South of 101)	35.15	6	64	39 - 64	36 - 66	RW
REG-3B(1)	1996	MEW RGRP (South of 101)	34.17	18	75	57 - 72	54 - 75	RW
REG-4B(1)		MEW RGRP (South of 101)	37.70	6				RW
REG-11B(1)	1997	MEW RGRP (South of 101)	35.65	6	68	58 - 68	55 - 68	RW
REG-MW-1B(1)	1997	MEW RGRP (South of 101)	40.81	6	74	53 - 73	50 - 74.5	MW
REG-MW-2B(1)		MEW RGRP (South of 101)	41.43			57 - 67		MW
RW-9(B1)R	1986	MEW RGRP (South of 101)	38.59	6	69	59 - 69	58 - 71.5	RW
R6B1	1985	Raytheon (South of 101)	46.00		67	54 - 65	36 - 67	MW
R13B1	1985	Raytheon (South of 101)	35.00		48	38 - 48	36 - 48	MW
R16B1	1985	Raytheon (South of 101)	47.00		64	58 - 64	56 - 64	MW
R22B1	1986	Raytheon (South of 101)	62.73		73	52 - 70	50 - 73	MW
R46B1	1987	Raytheon (South of 101)	58.00		66	56 - 65	54 - 66	MW
RP22B	1985	Raytheon (South of 101)	63.5		57	54 - 56	52 - 57	MW
RW-13B(1)		Silva (South of 101)	53.20					RW
W9-17		U.S. Navy (North of 101)	19.31	4	36	33 - 38	31 - 40	MW
W9-25		U.S. Navy (North of 101)	15.26	4	42	29.5 - 39.5	27.5 - 42	MW
W9-41		U.S. Navy (North of 101)	22.56	4	54.5	34 - 44	32 - 46	MW

Table 9

RGRP Monitoring Well and Extraction Well Construction Summary

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
W9SC-20	1995	U.S. Navy (North of 101)	22.20	2	52.3	41.8 - 51.8		MW
W14-5	1988	U.S. Navy (North of 101)	31.25	4	58.7	44.9 - 49.9	43 - 52	MW
W89-11	1990	U.S. Navy (North of 101)	33.26	10	63	52 - 62	50 - 63	MW
W89-12	1990	U.S. Navy (North of 101)	31.23	10	65	54 - 64	51 - 65	MW
W89-13B1-R		U.S. Navy (North of 101)	33.19					MW
W89-14	1990	U.S. Navy (North of 101)	25.58	10	61	50 - 60	48 - 61	MW
WNB-14	1992	U.S. Navy (North of 101)	12.35	12	61	24 - 29	22 - 61	MW
WU4-2		U.S. Navy (North of 101)	32.55	4	60.8	54.5 - 59.5		MW
WU4-4		U.S. Navy (North of 101)	25.21	4	59	54 - 59		MW
WU4-5		U.S. Navy (North of 101)	33.88	4	60	53.5 - 58.5		MW
WU4-6		U.S. Navy (North of 101)	28.46	4		59 - 64		MW
WU4-7		U.S. Navy (North of 101)	24.00	4	54	48.5 - 53.5		MW
WU4-12		U.S. Navy (North of 101)	21.88	4		34.5 - 44.5		MW
WU4-13		U.S. Navy (North of 101)	22.68	4	45	34.5 - 44.5		MW
WU4-19		U.S. Navy (North of 101)	11.39	4	41.5	36 - 41		MW
B2 Zone								
17B2	1985	Fairchild (North of 101)	27.96	4	94	87 - 92	85.5 - 94	MW
51B2	1985	Fairchild (North of 101)	22.07	4	99	92 - 97	88 - 99	MW
54B2	1985	Fairchild (North of 101)	28.00	4	86	79 - 84	77 - 86	MW
82B2	1986	Fairchild (North of 101)	6.56	4	88	71 - 86	67 - 88	MW
123B2	1986	Fairchild (North of 101)	15.46	4	96	84 - 94	79 - 96	MW
6B2	1982	Fairchild (South of 101)	58.83	4	91	71 - 91	63 - 91	MW
15B2	1985	Fairchild (South of 101)	70.70	4	101	90 - 100	88.3 - 101	MW
16B2	1985	Fairchild (South of 101)	47.18	4	87	79 - 84	77 - 87	MW
36B2	1985	Fairchild (South of 101)	37.65	4	92.5	86 - 91	81.5 - 92.5	MW
37B2	1985	Fairchild (South of 101)	52.57	4	95	88 - 95	85.5 - 95	MW
40B2	1985	Fairchild (South of 101)	54.59	4	93	87 - 92	83.5 - 93	MW
43B2	1985	Fairchild (South of 101)	36.28	4	93.5	85.5 - 91	84 - 93.5	MW
62B2	1985	Fairchild (South of 101)	34.93	4	91	80 - 90	78 - 91	MW
75B2	1986	Fairchild (South of 101)	46.59	4	89	82 - 87	77 - 89	MW
76B2	1986	Fairchild (South of 101)	55.12	4	102	90 - 100	86.5 - 102	MW

Table 9
RGRP Monitoring Well and Extraction Well Construction Summary
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
89B2	1986	Fairchild (South of 101)	48.43	4	92	80 - 90	77 - 92	MW
113B2	1986	Fairchild (South of 101)	39.01		86	69 - 84	67 - 86	MW
125B2	1986	Fairchild (South of 101)	46.74	4	101	94 - 99	91 - 101	MW
129B2	1987	Fairchild (South of 101)	56.87	4	112	95 - 110	92 - 112	MW
132B2	1987	Fairchild (South of 101)	49.21	4	91	79 - 89	78 - 91	MW
134B2	1987	Fairchild (South of 101)	47.85	4	90	83 - 88	78 - 90	MW
38B2	1985	MEW RGRP (South of 101)	44.09	4	90	78 - 88	71 - 90	RW
NEC8B2	1985	MEW RGRP (South of 101)	42.50	4	107	98.2 - 103	96 - 107	MW
NEC18B2	1989	MEW RGRP (South of 101)	59.87	4	97.5	90 - 95	88 - 97.5	MW
REG-1B(2)		MEW RGRP (South of 101)	38.20	6	92	82 - 92	80 - 93	RW
REG-3B(2)		MEW RGRP (South of 101)	34.84	6	85	75 - 85	72 - 88	RW
REG-MW-1B(2)		MEW RGRP (South of 101)	40.89	6	90	79 - 89	78 - 90	MW
RW-9(B2)	1985	MEW RGRP (South of 101)	37.88	6	95	82.6 - 92.6	80 - 95	RW
R13B2	1985	Raytheon (South of 101)	35.00		82	65 - 82	63 - 82	MW
R30B2	1986	Raytheon (South of 101)	63.00		101.5	78 - 100.5	76 - 101.5	MW
R40B1(B2)	1986	Raytheon (South of 101)	54.06		85	74.5 - 84.5	73 - 85	MW
R41B2	1987	Raytheon (South of 101)	57.00		92.5	82 - 92.5	79 - 92.5	MW
R50B2	1987	Raytheon (South of 101)	60.00		123	118 - 122.5	116 - 123	MW
R52B2	1987	Raytheon (South of 101)	64.24		111	100 - 109.5	98 - 111	MW
R55B2	1987	Raytheon (South of 101)	64.21		124.5	116.5 - 123	114 - 124.5	MW
B3 Zone								
28B3	1985	Fairchild (South of 101)	46.85	4	134	122 - 132	120 - 134	MW
30B3	1985	Fairchild (South of 101)	58.18	4	132	120 - 130	118.5 - 132	MW
44B3	1985	Fairchild (South of 101)	37.62	4	147	129 - 144	123 - 147	MW
133B3	1987	Fairchild (South of 101)	49.26		134	127 - 132	122 - 134	MW
65B3	1985	MEW RGRP (South of 101)	43.36	4	133	111 - 131	108 - 133	RW
R5B3	1986	Raytheon (South of 101)	50.20		136	125 - 135	122 - 136	MW
R9B3	1985	Raytheon (South of 101)	69.64		163	137 - 162	134 - 163	MW
R27B3	1986	Raytheon (South of 101)	51.37		141	121.5 - 134	119 - 134	MW
R54B3	1987	Raytheon (South of 101)	64.52		148	145 - 147.5	143 - 148	MW

Table 9
RGRP Monitoring Well and Extraction Well Construction Summary
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Year Installed	Owner	TOC Elevation (ft msl)	Diameter (inches)	Well Depth (ft bgs)	Screen Interval (ft bgs)	Sand Pack Interval (ft bgs)	Well Type
R56B3	1987	Raytheon (South of 101)	64.13		155	149 - 153.5	146.5 - 155	MW
R61B3	1987	Raytheon (South of 101)	58.41		138.5	131.5 - 137	129.5 - 138.5	MW
C Zone								
6C	1985	Fairchild (South of 101)	38.65	4	220	174.5 - 210	188 - 208	MW
8C	1986	Fairchild (South of 101)	55.03	4	219	193 - 213	187 - 219	MW
9C	1986	Fairchild (South of 101)	60.21	4	218	189.8 - 214.8	185 - 218	MW
10C	1986	Fairchild (South of 101)	59.44	4	218	201 - 216	195 - 218	MW
11C	1987	Fairchild (South of 101)	49.21	4	216	209 - 214	204 - 216	MW
DW2-234	1986	Fairchild (South of 101)	59.79	4	234	200 - 230	195 - 234	MW
DW3-219	1986	MEW RGRP (South of 101)	48.67	4	219	185 - 215	181 - 219	RW
DW1-230	1985	Raytheon (South of 101)	62.38	4	230	194 - 229	187 - 230	MW
R4C	1986	Raytheon (South of 101)	72.00		221	200 - 220	193 - 221	MW
RW-1C		Silva (South of 101)	53.20					RW
Deep Zone								
DW3-551	1988	Fairchild (South of 101)	47.14	6	549	544 - 549	539 - 551.5	MW
DW3-244	1986	MEW RGRP (South of 101)	48.29	4	244	230 - 240	226 - 244	RW
DW3-334	1986	MEW RGRP (South of 101)	48.69	4	334	315 - 330	311 - 334	RW
DW3-364	1986	MEW RGRP (South of 101)	48.39	4	364	350 - 360	345.5 - 364	RW
DW3-505R	1997	MEW RGRP (South of 101)	48.92	6	503	490 - 500	488 - 505	RW

Notes:
TOC = Top of Casing
ft msl = Feet Mean Sea Level
ft bgs = Feet Below Ground Surface
MW = Monitoring Well
RW = Recovery Well

Table 10

Calculation of Predicted Capture Widths Based on Combined Flow Rate

MEW Regional Groundwater Remediation Program

Mountain View, CA

Parameter	A-Zone	B1-Zone	B2-Zone	B3-Zone
Q = Combined pumping rate (gpm)	161	146	29	6.5
b = saturated aquifer thickness (ft)	15	25	35	40
i = regional hydraulic gradient (ft/ft)	0.004	0.003	0.004	0.002
K = hydraulic conductivity (ft/day)	40	40	5	40
Calculated Capture Width (ft) = Q/(K x b x i)	12900	9400	8000	400
Measured plume width at widest point (ft)	2400	2900	2500	0

Notes:

gpm = gallons per minute; ft = feet

The combined pumping rate equals the summed average 2011 flow rates of all extraction wells located within the RGRP target capture area that are outside the slurry walls

Hydraulic conductivity values used for each aquifer zone are from the numerical model included as Appendix B to the 2008 Optimization Report

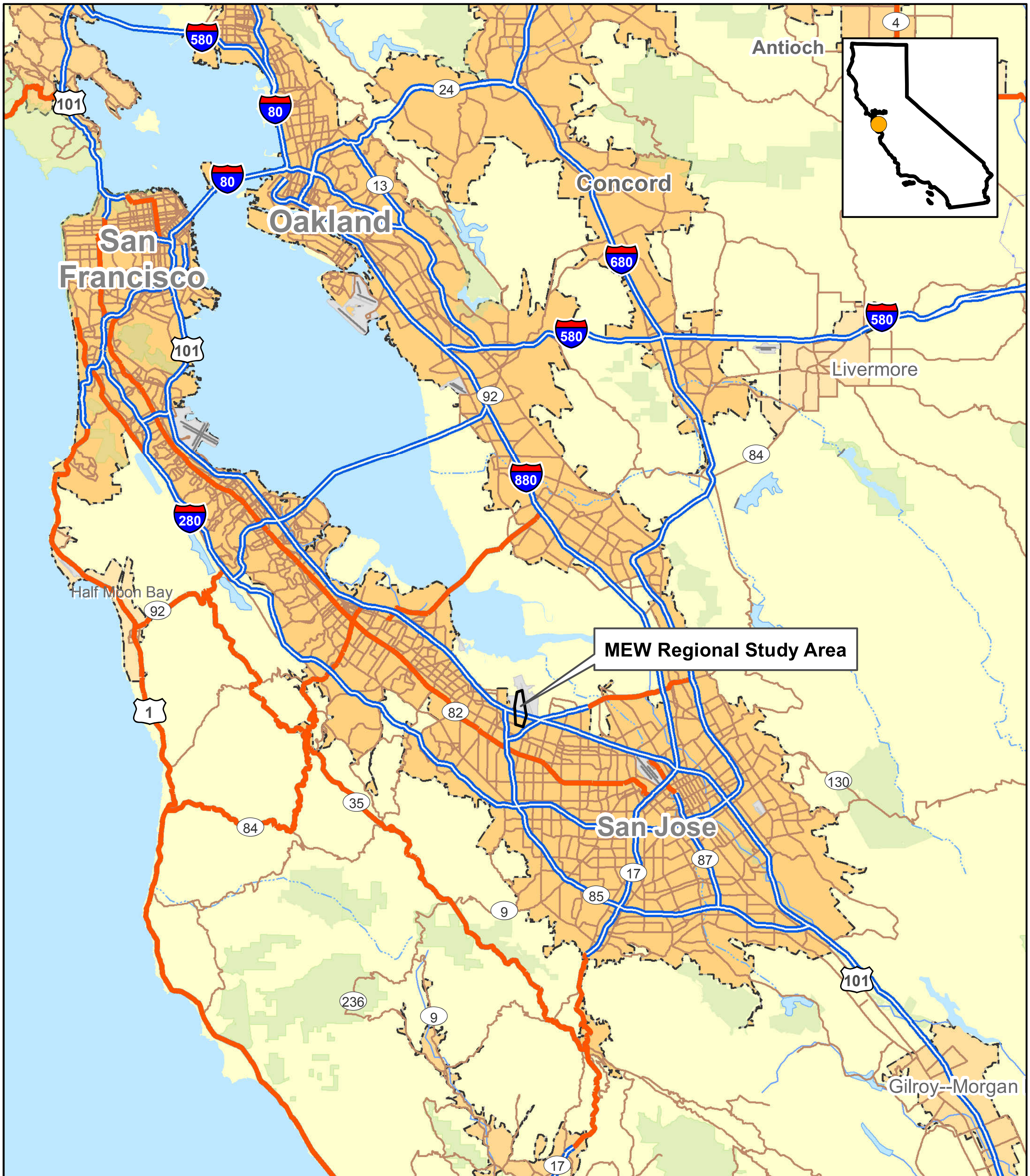
1 cubic foot = 7.48 gallons

1 day = 1440 minutes

Assumptions:

1. Homogeneous, isotropic, confined aquifer of infinite extent
2. Uniform regional horizontal hydraulic gradient
3. No net recharge (or net recharge is accounted for in the regional hydraulic gradient)
4. Uniform aquifer thickness
5. Fully penetrating extraction well
6. Steady-state flow
7. Negligible vertical gradient

FIGURES



0
80,000
Feet

Site Location Map

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec
consultants

Figure

1

Oakland

April 2012

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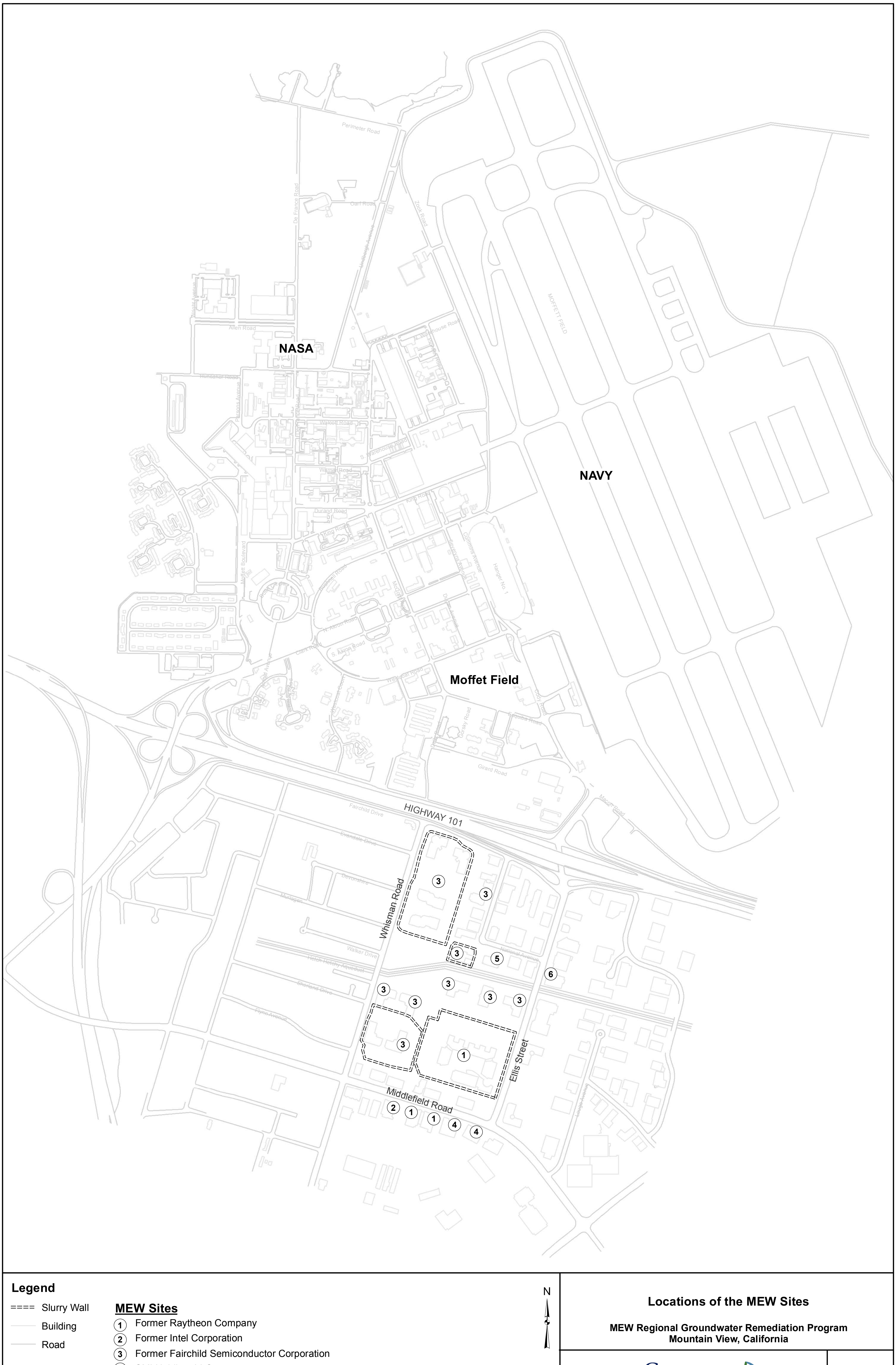

Legend

==== Slurry Wall
Building
Road

MEW Sites

1. Former Raytheon Company
2. Former Intel Corporation
3. Former Fairchild Semiconductor Corporation
4. SMI Holding; LLC
5. Vishay GSI, Inc, Inc/Sumco Phoenix Corporation
6. NEC Electronics America, Inc

Locations of the MEW Sites

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure **2**

Oakland | April 2012

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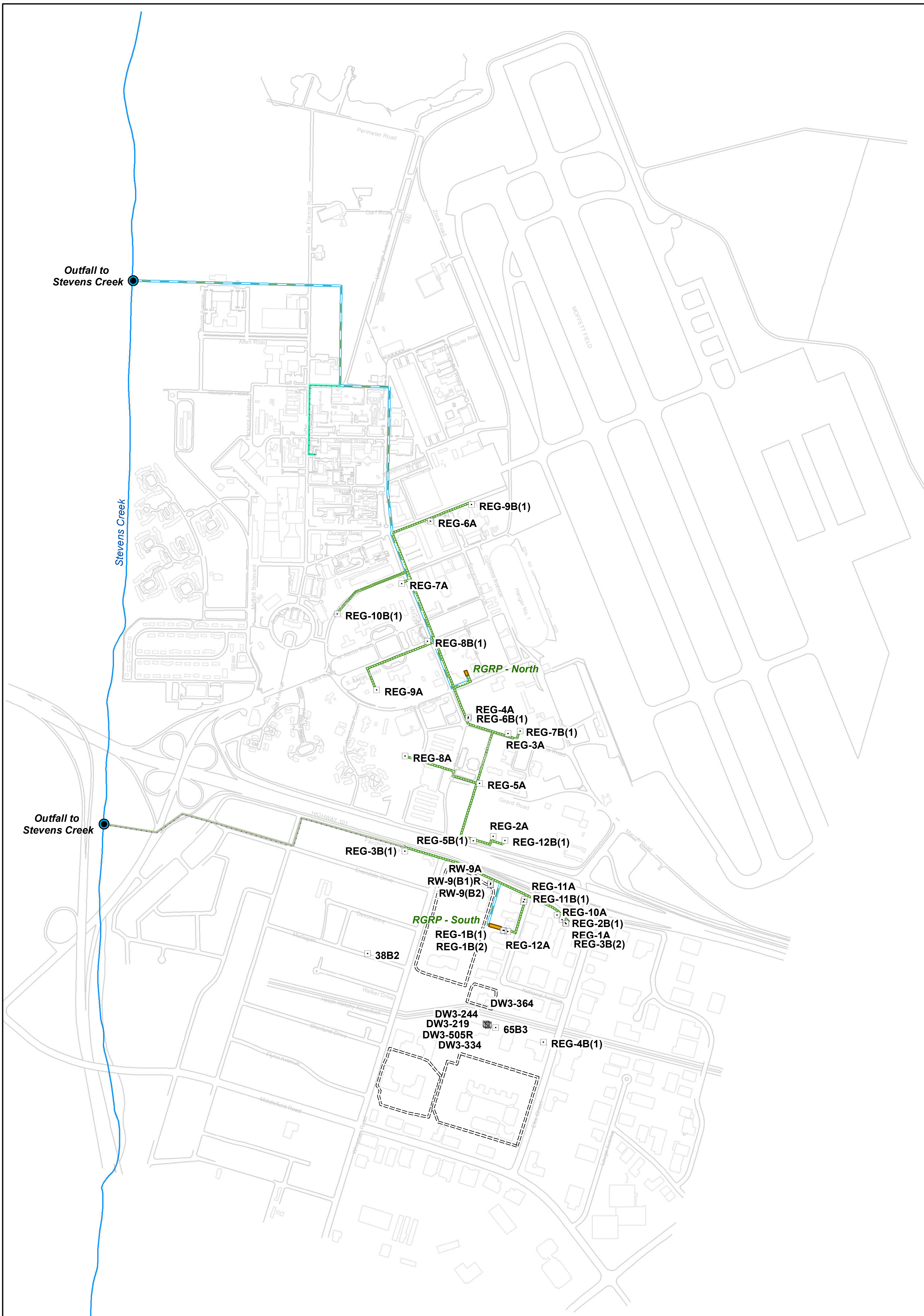

Legend

- Recovery Well On
- Recovery Well Off
- Groundwater Treatment Plant
- Regional System Treatment Pipeline
- Regional System Discharge Pipeline
- NASA Reuse Pipeline
- Storm Drain, Approximately Located
- Slurry Wall
- Building
- Road
- Stevens Creek

N

1,000 500 0 1,000 Feet

MEW Regional Groundwater Remediation Program
Groundwater Treatment Systems
North and South of Highway 101

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure 3

Oakland | April 2012

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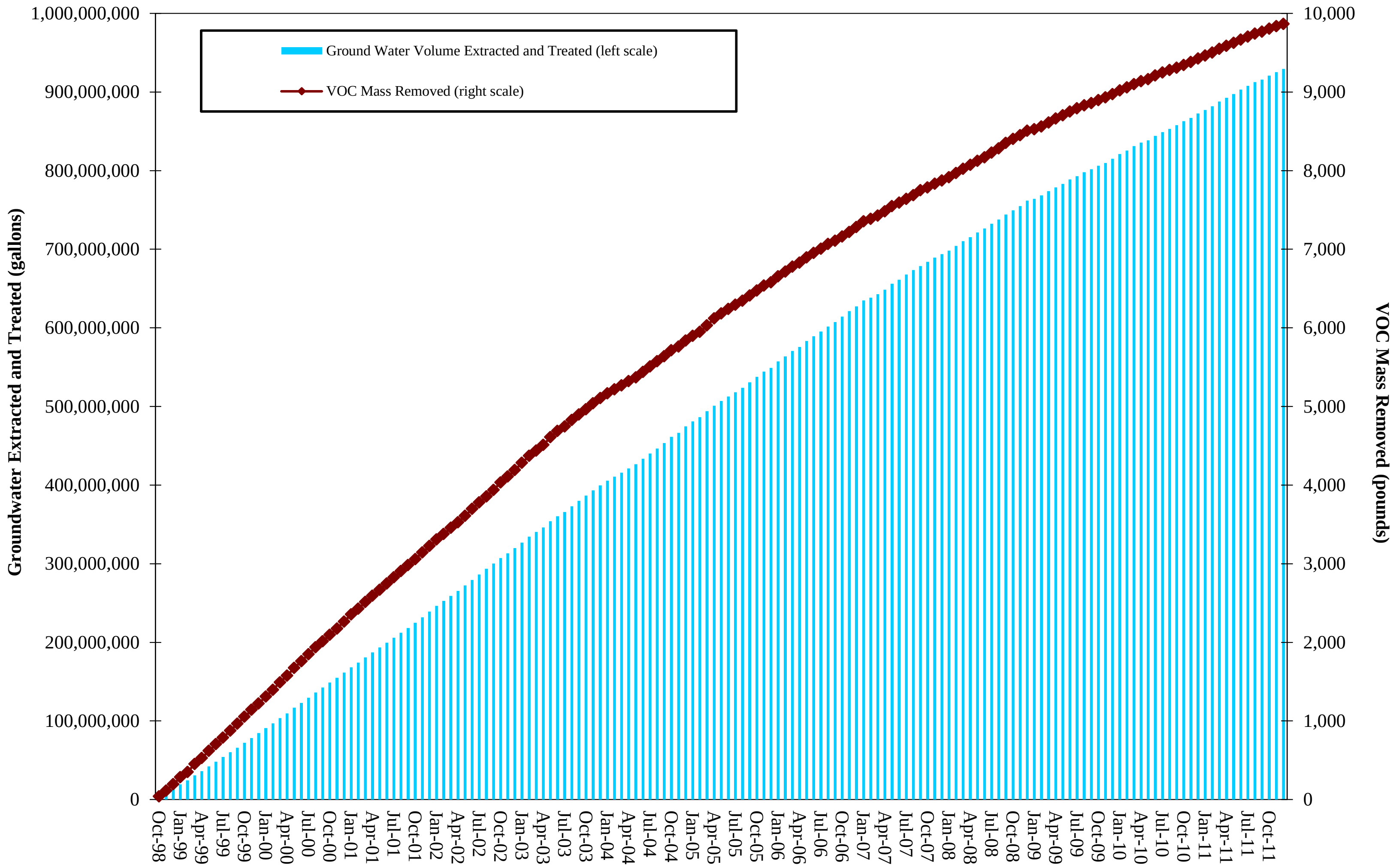


Source: 2011 Annual Self-Monitoring Report, MEW RGRP Treatment System, North 101 (Weiss, 2012a)

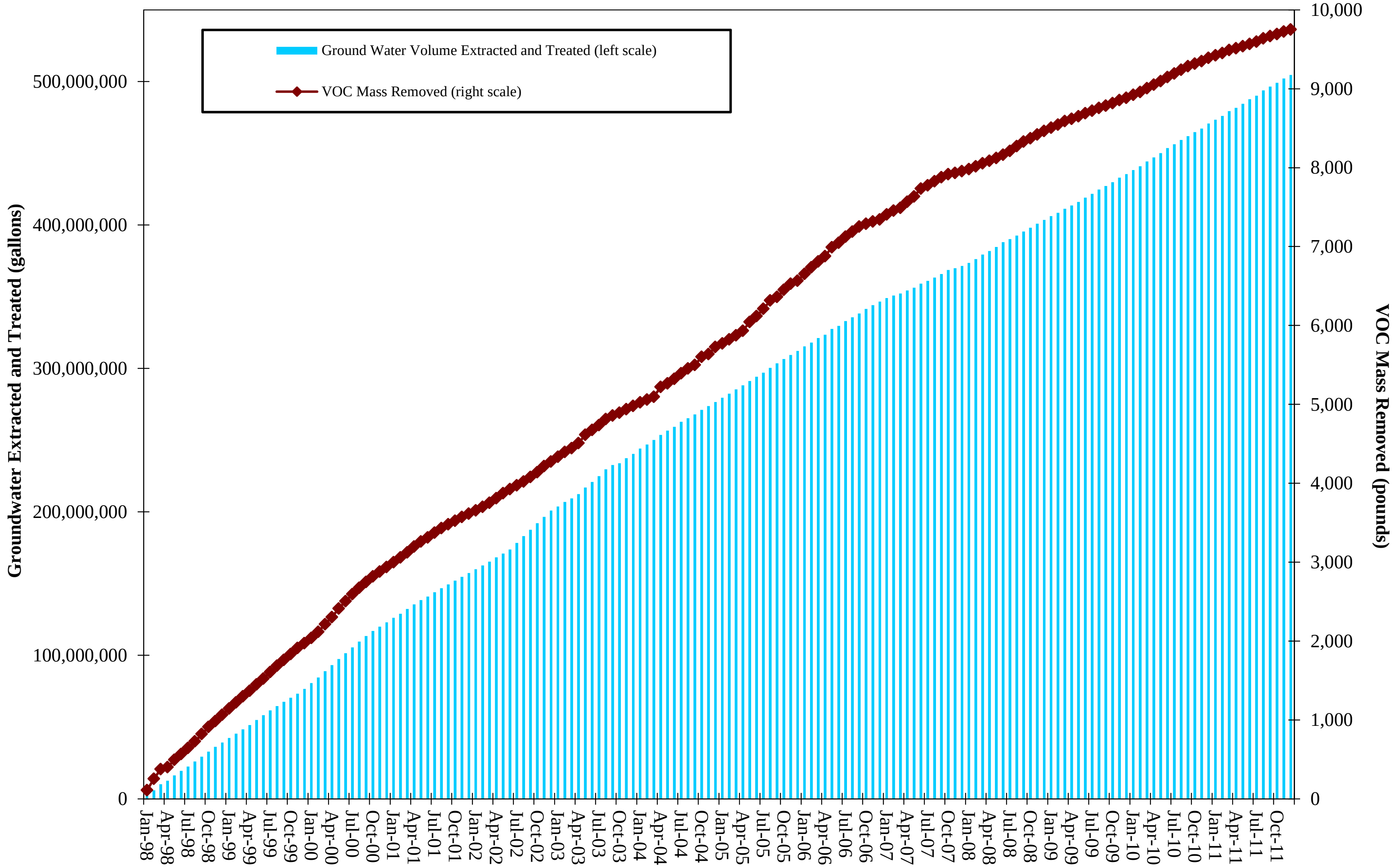
Cumulative Groundwater Extracted and VOC Mass Removed, North of 101

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure 4

Oakland	April 2012



Source: 2011 Annual Self-Monitoring Report, MEW RGRP Treatment System, South 101 (Weiss, 2012b)

Cumulative Groundwater Extracted and VOC Mass Removed, South of 101

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure 5

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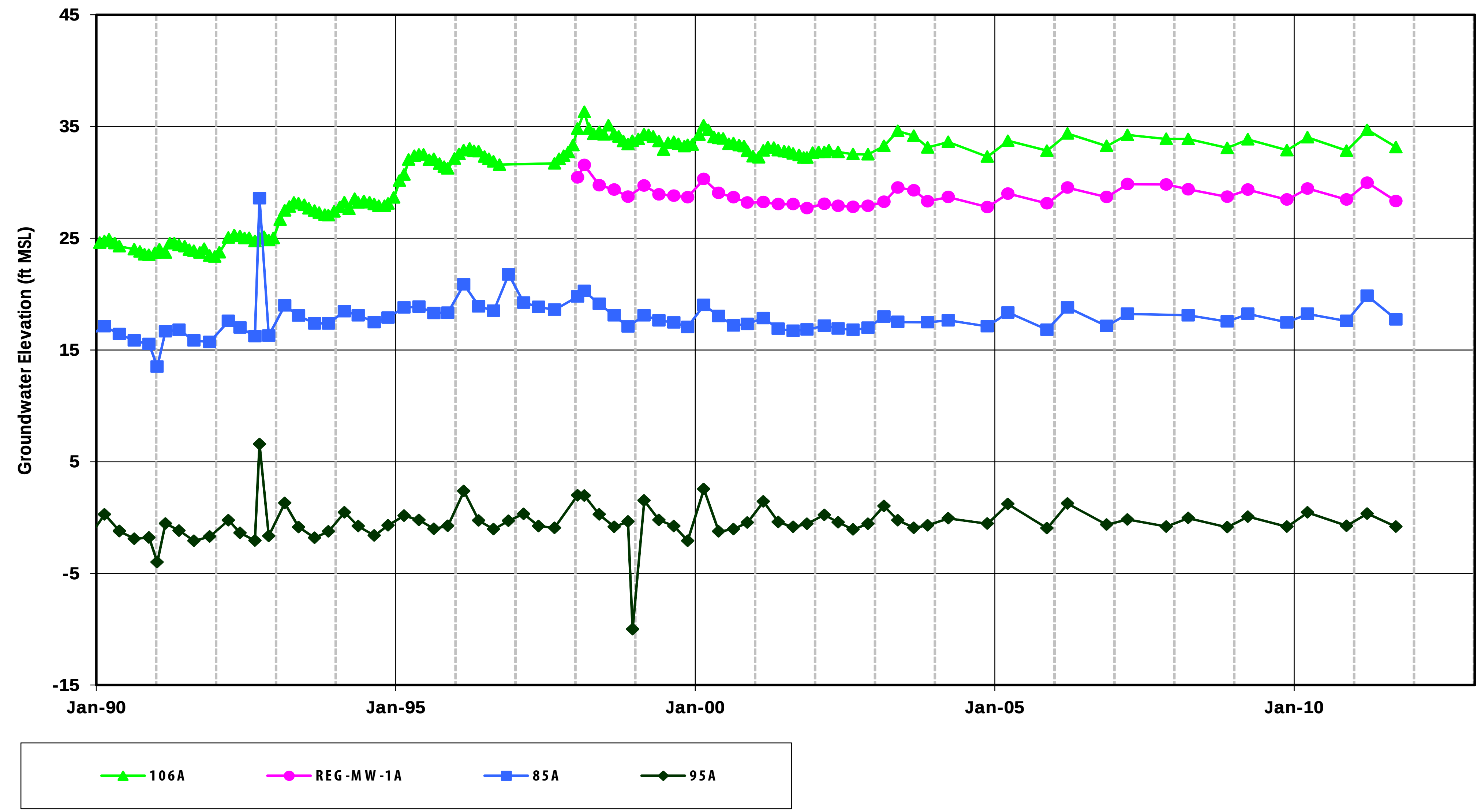
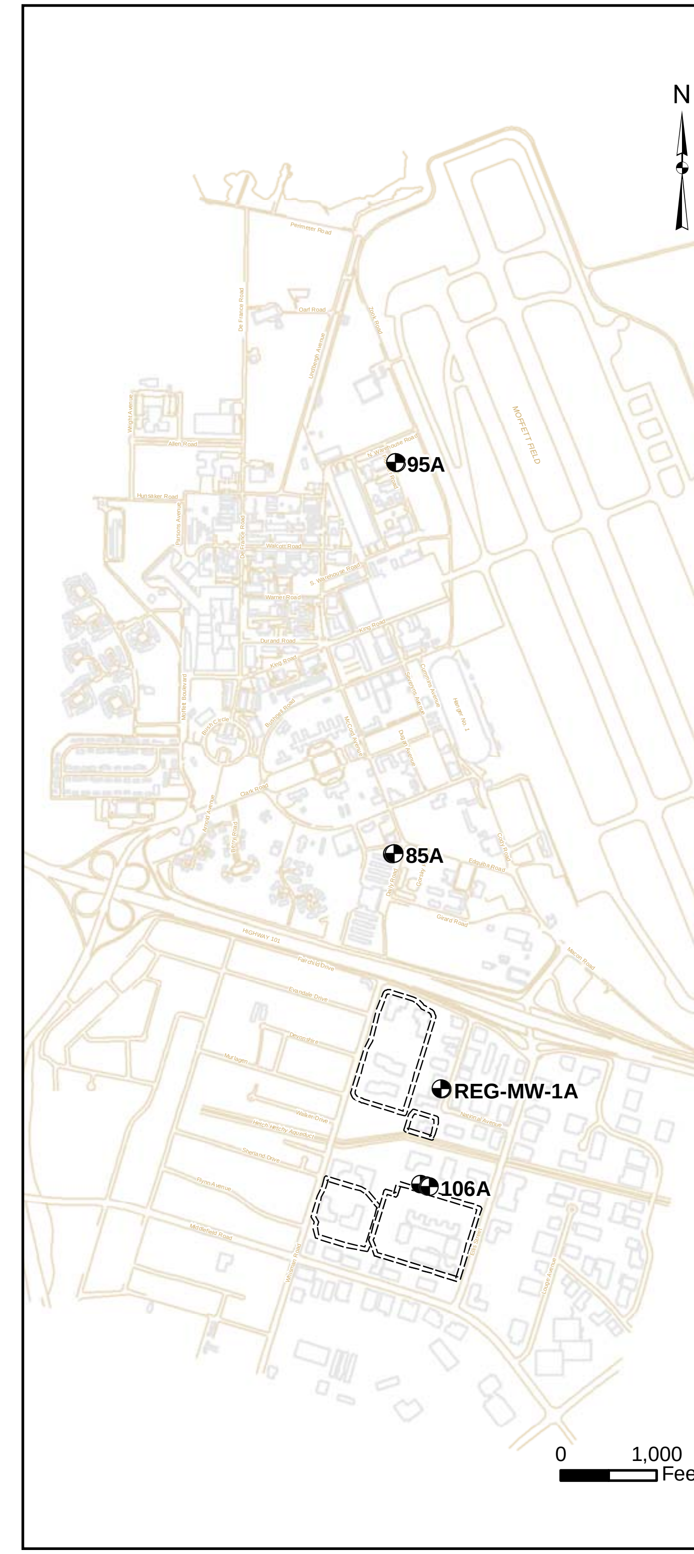




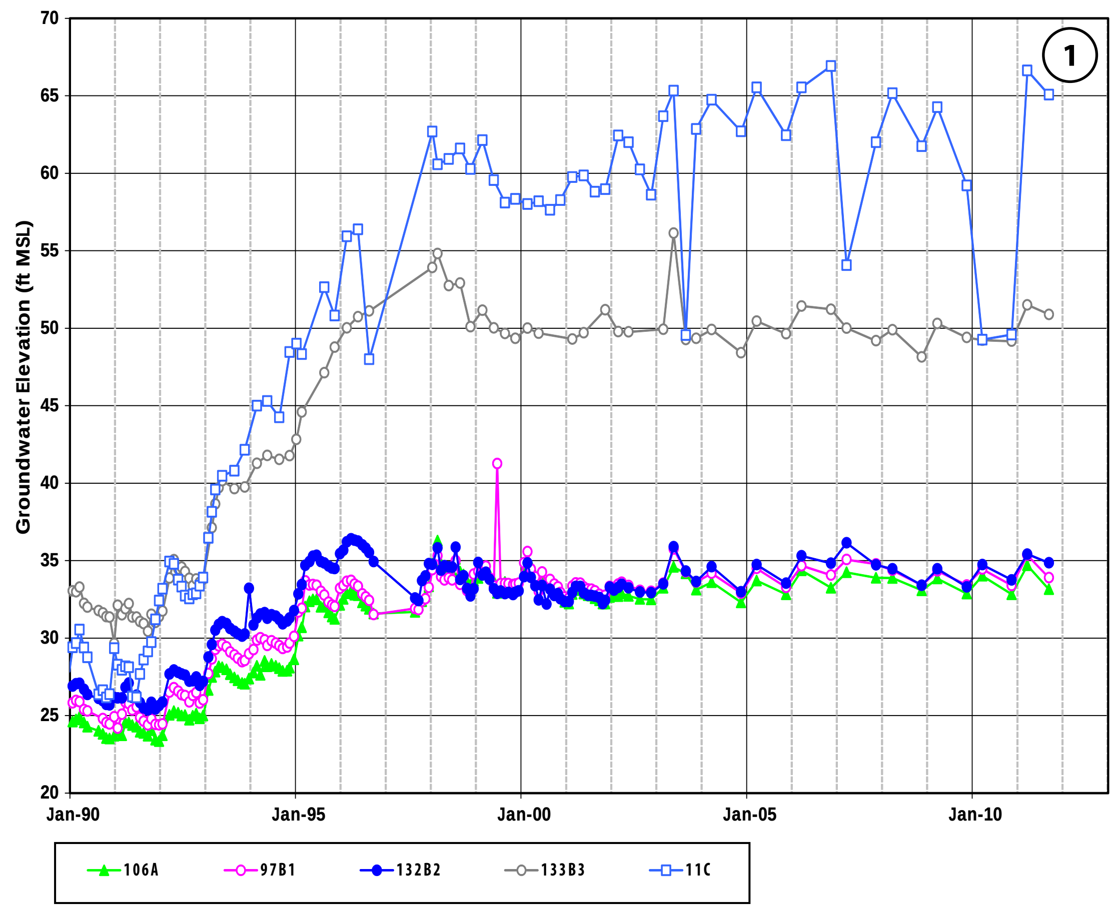
Hydrograph of Selected A Zone Wells
January 1990 through December 2011

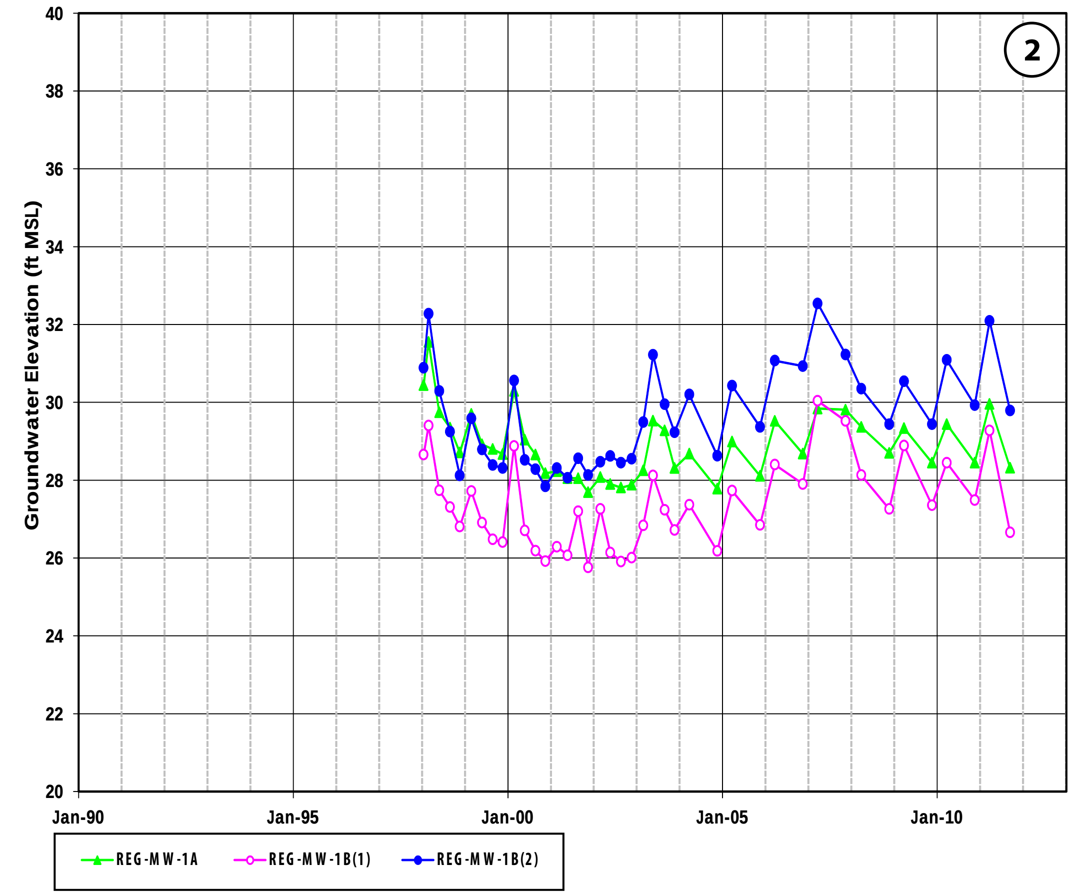
MEW Regional Groundwater Remediation Program
Mountain View, California

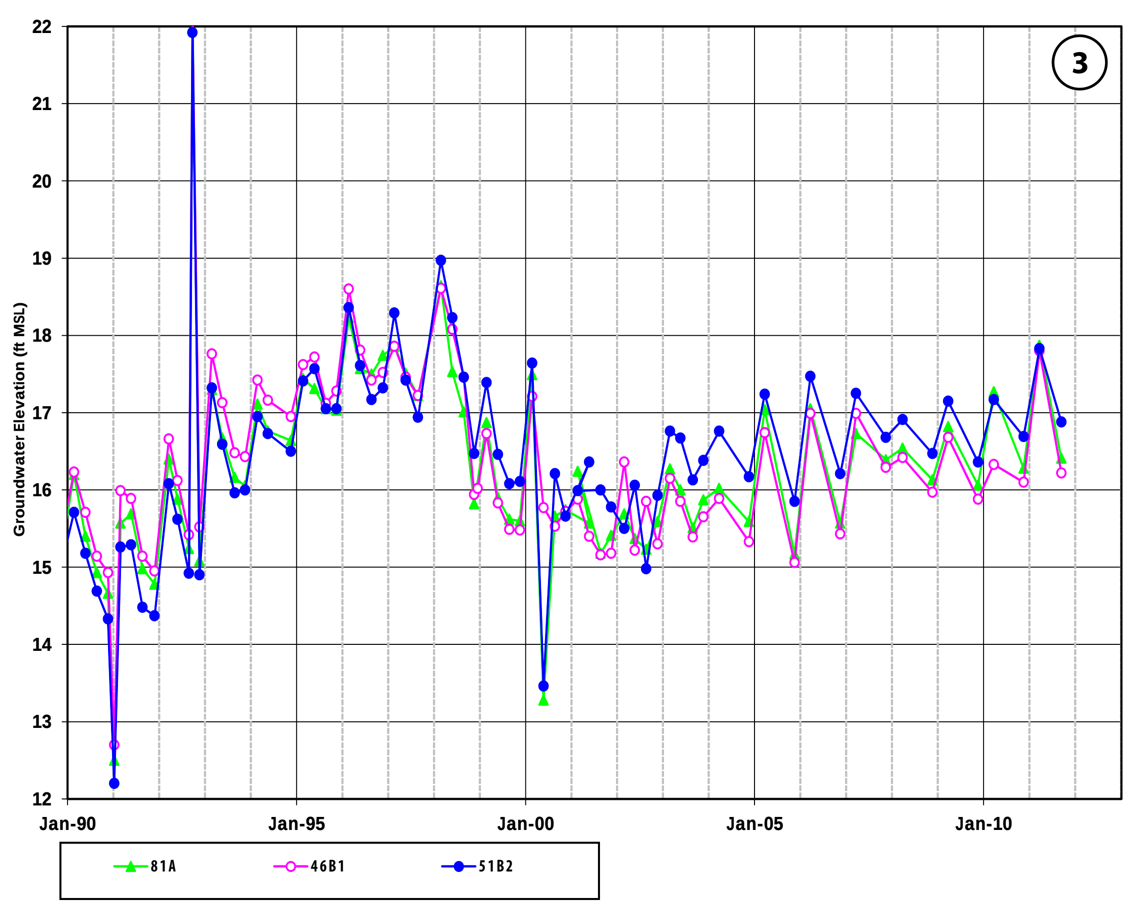
Geosyntec consultants

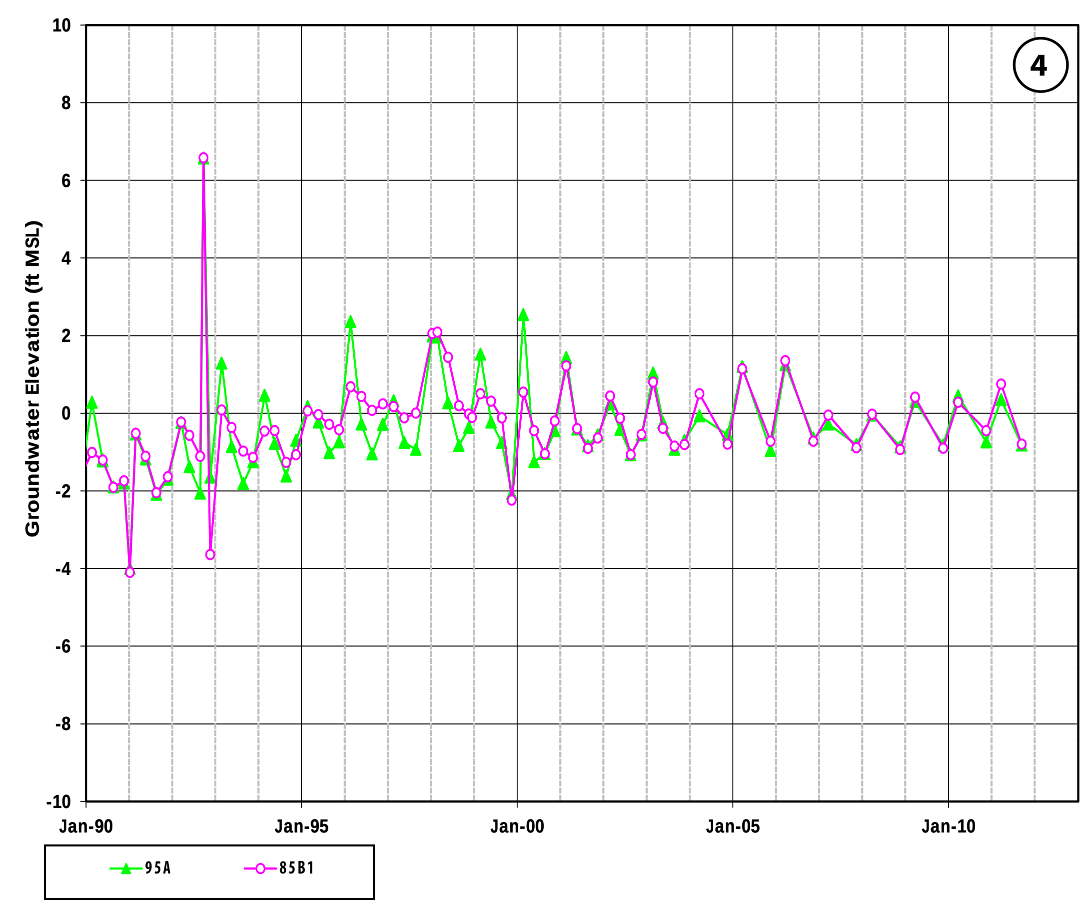
Figure **6**

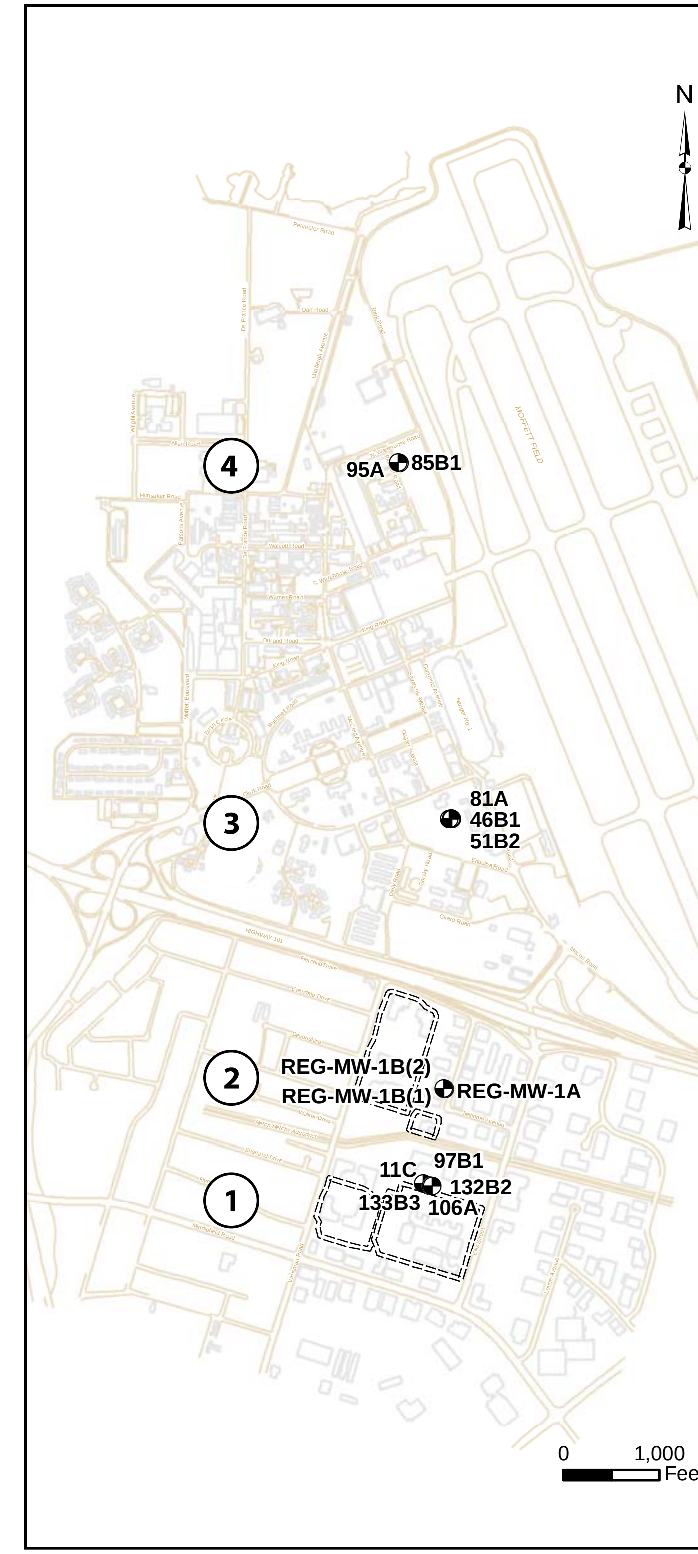
Oakland | April 2012











Hydrograph of Selected Wells Across Water-Bearing Zones
January 1990 through December 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure 7

Oakland | April 2012

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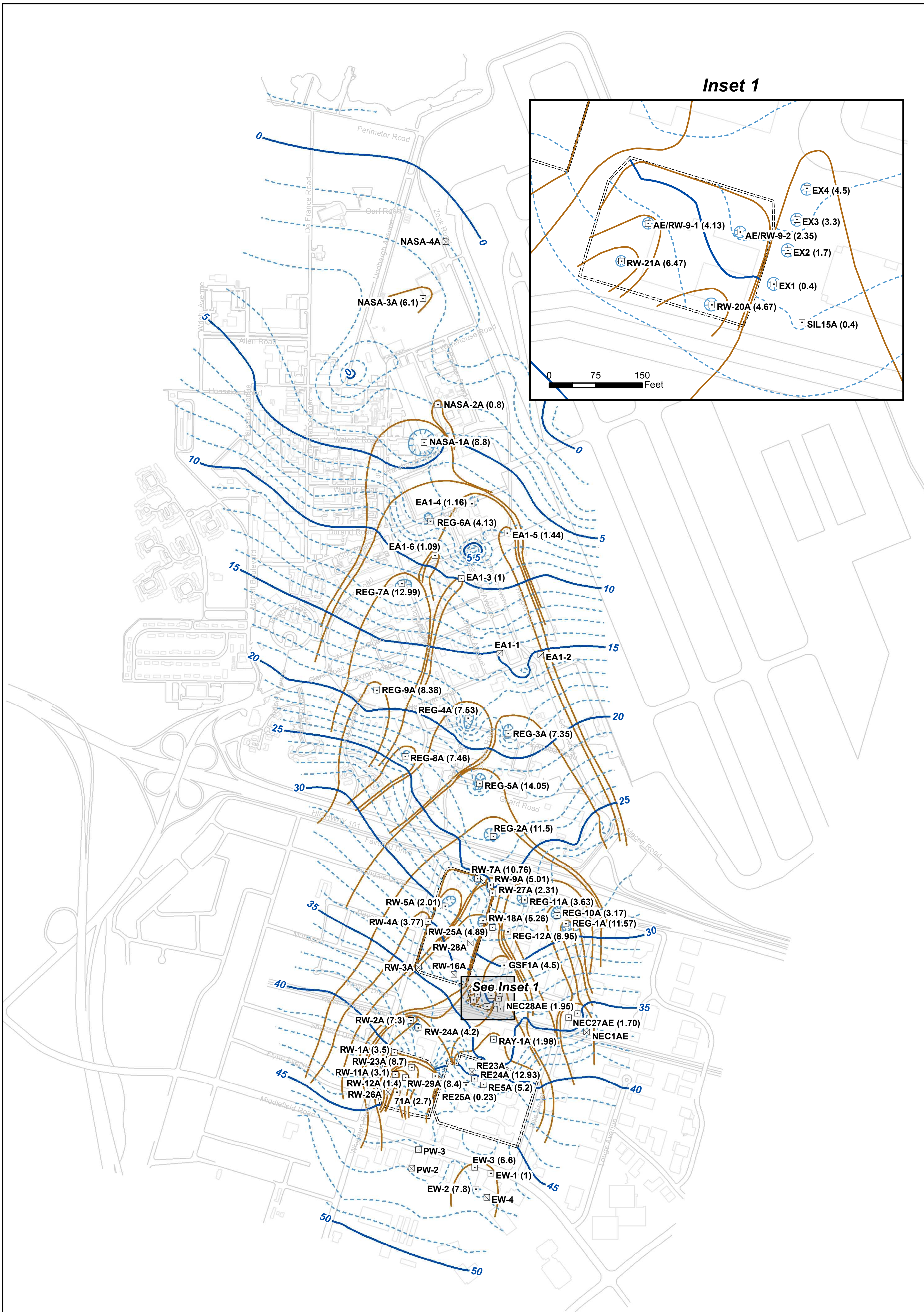

Legend

- Recovery Well On; Active
- Recovery Well Off; Inactive

Groundwater Elevation Contours

- 1 foot interval
- 5 foot interval

- Estimated Capture Zone
- Slurry Wall
- Building
- Road

(7.8) Pumping Rate in gallons per minute, calculated from weekly totalizer readings ending week of 25 March 2011

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

N

1,000 500 0 1,000 Feet

A/A1 Zone Groundwater Elevation Contours and Estimated Capture Zones
24 March 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure 8

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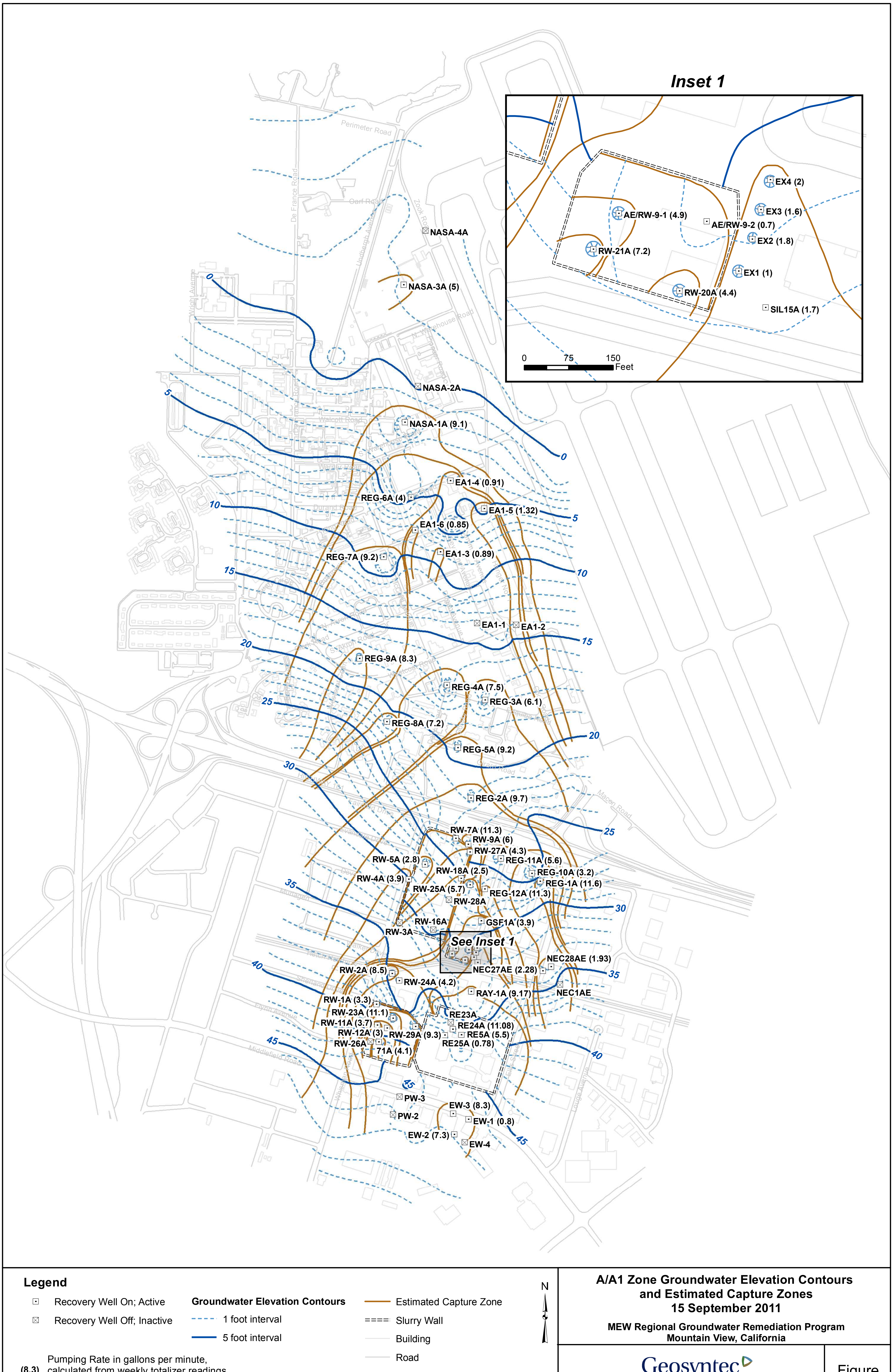

A/A1 Zone Groundwater Elevation Contours and Estimated Capture Zones 15 September 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure 9

Oakland	April 2012

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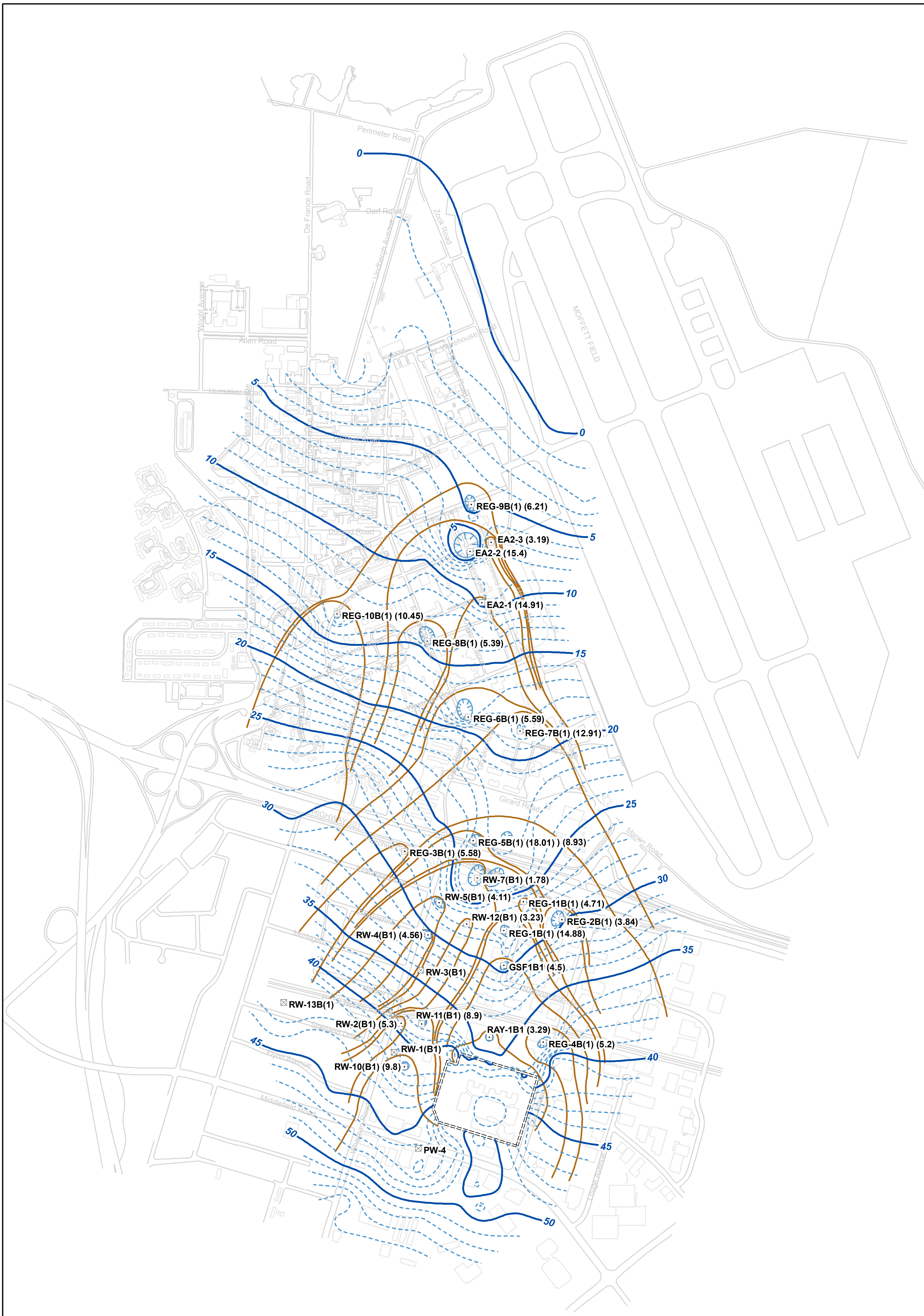


Legend

- Recovery Well On; Active
- Recovery Well Off; Inactive
- (9.8) Pumping Rate in gallons per minute, calculated from weekly totalizer readings ending week of 25 March 2011

Groundwater Elevation Contours

- 1 foot interval
- 5 foot interval

- Estimated Capture Zone
- Slurry Wall
- Building
- Road

N

1,000 500 0 1,000 Feet

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

B1/A2 Zone Groundwater Elevation Contours and Estimated Capture Zones
24 March 2011

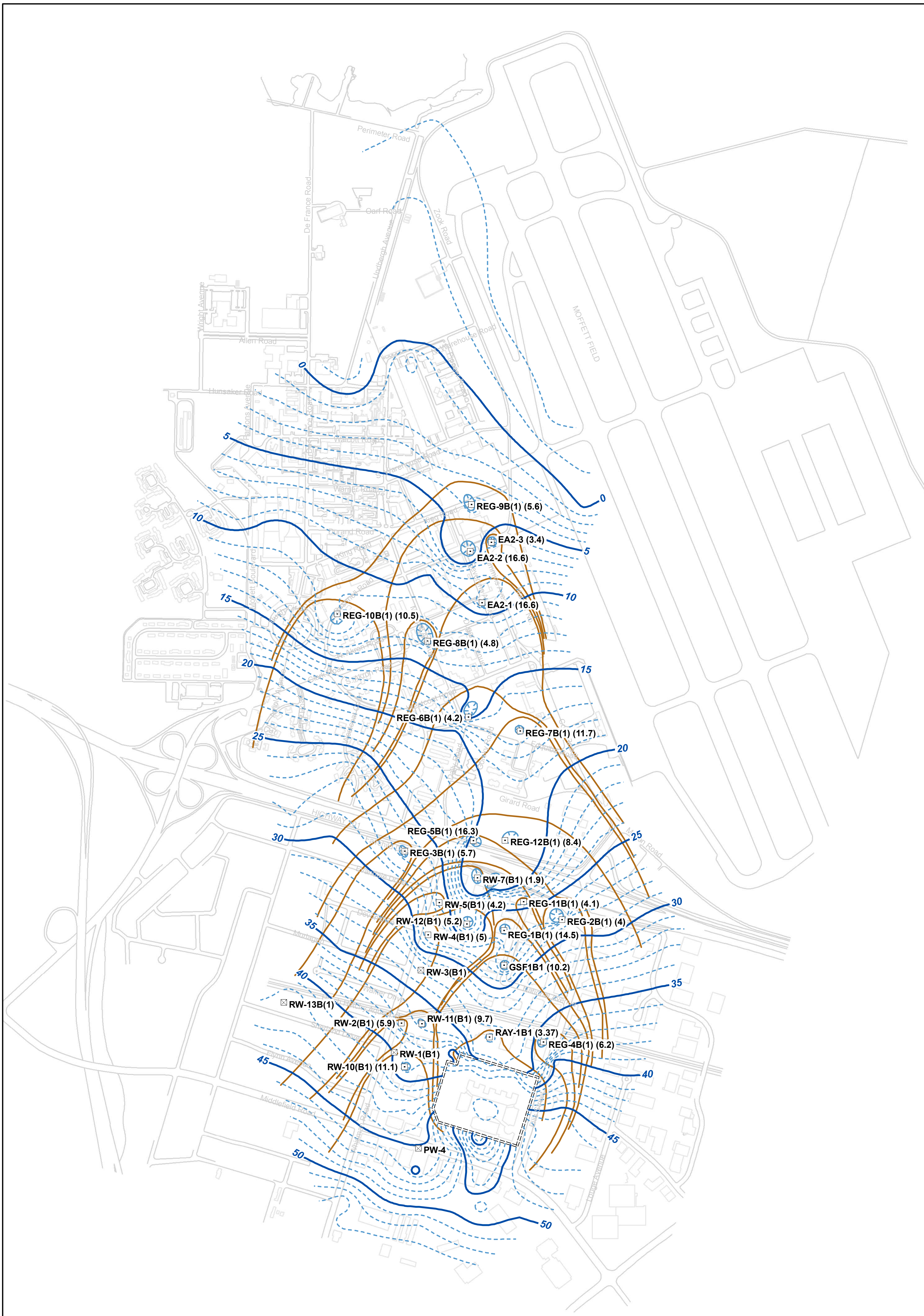
MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure **10**

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig10_GW_B1_Mar2011_CZ.mxd | 3/14/2012 11:53:30 AM



Legend

- ⊡ Recovery Well On; Active
- ⊠ Recovery Well Off; Inactive

Groundwater Elevation Contours

- 1 foot interval
- 5 foot interval

- Estimated Capture Zone
- Slurry Wall
- Building
- Road

(11.1) Pumping Rate in gallons per minute, calculated from weekly totalizer readings ending week of 15 September 2011

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

N

1,000 500 0 1,000 Feet

B1/A2 Zone Groundwater Elevation Contours and Estimated Capture Zones 15 September 2011

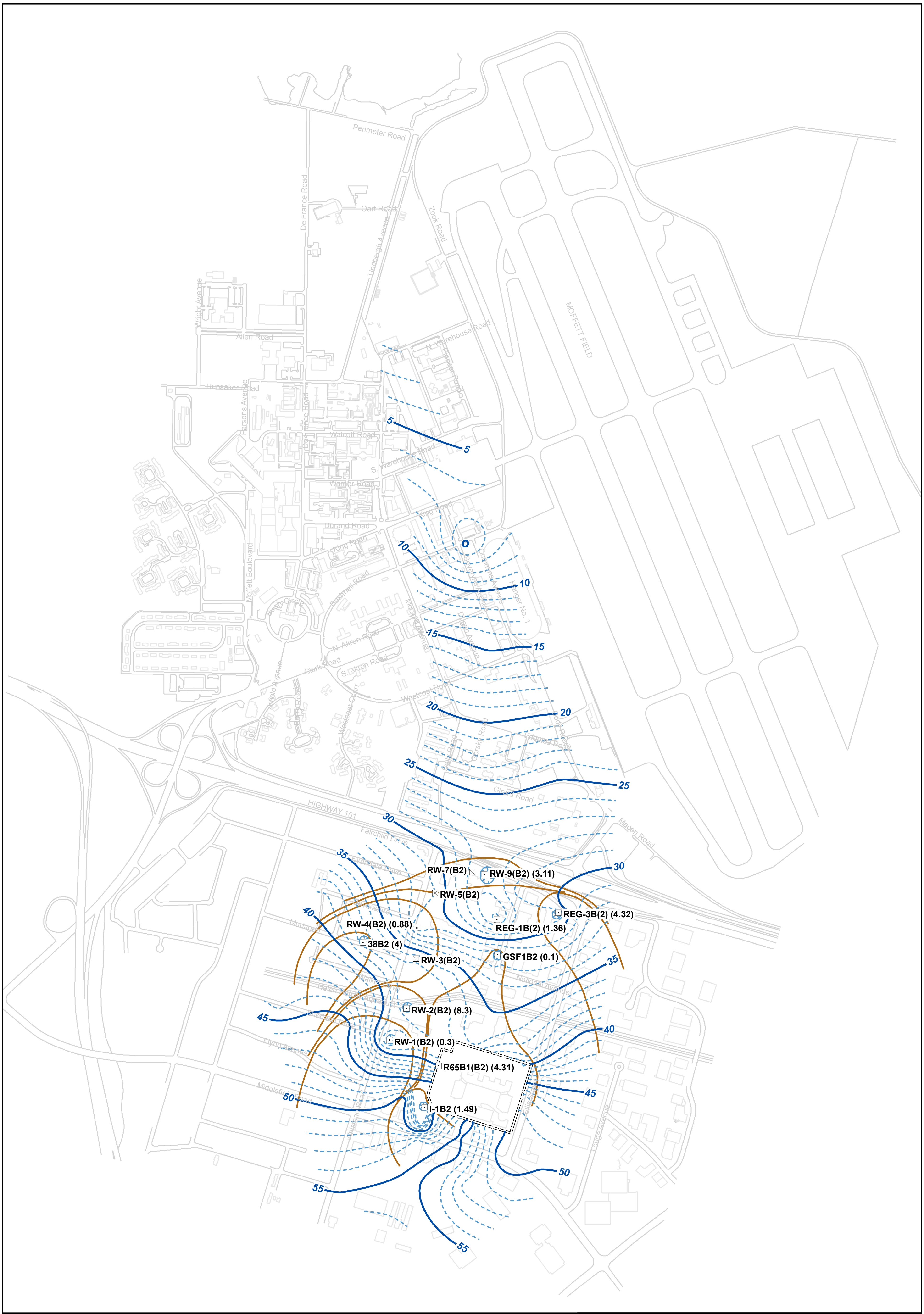
MEW Regional Groundwater Remediation Program Mountain View, California

Geosyntec consultants

Figure 11

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig11_GW_B1_Sept2011_CZ.mxd | 3/22/2012 5:09:52 PM



Legend

- Recovery Well On; Active
- Recovery Well Off; Inactive

Groundwater Elevation Contours

- 1 foot interval
- 5 foot interval

- Estimated Capture Zone
- Slurry Wall
- Building
- Road

(1.49) Pumping Rate in gallons per minute, calculated from weekly totalizer readings ending week of 25 March 2011

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

1,000 500 0 1,000 Feet

N

B2 Zone Groundwater Elevation Contours and Estimated Capture Zones 24 March 2011

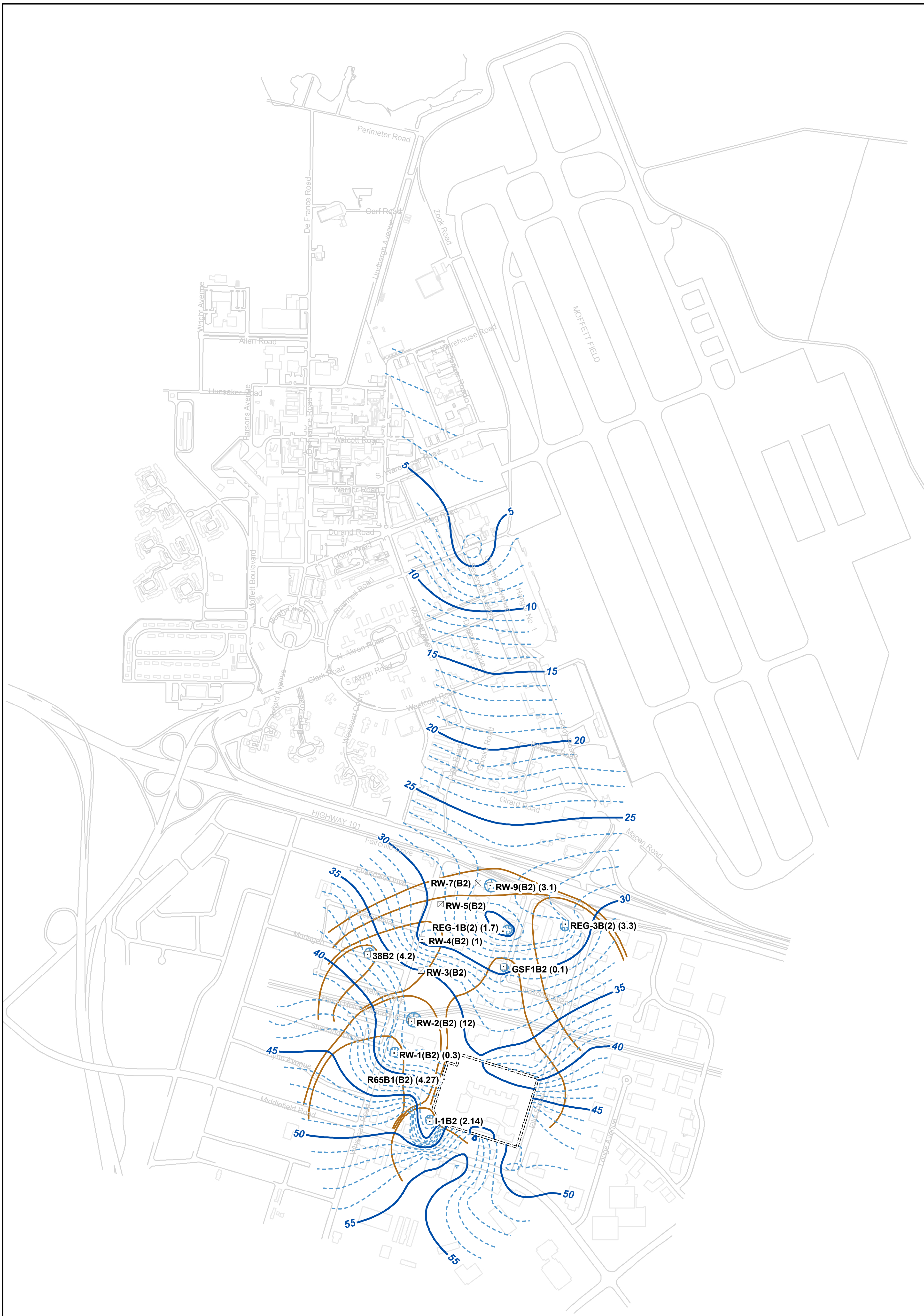
MEW Regional Groundwater Remediation Program Mountain View, California

Geosyntec consultants

Figure **12**

Oakland	April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig12_GW_B2_Mar2011_CZ.mxd | 3/15/2012 2:21:33 PM



Legend

- Recovery Well On; Active
- Recovery Well Off; Inactive

Groundwater Elevation Contours

- 1 foot interval
- 5 foot interval

- Estimated Capture Zone
- Slurry Wall
- Building
- Road

(2.14) Pumping Rate in gallons per minute, calculated from weekly totalizer readings ending week of 15 September 2011

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

1,000 500 0 1,000 Feet

N

B2 Zone Groundwater Elevation Contours and Estimated Capture Zones 15 September 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure 13

P:\GIS\MEW\Project\Regional\2011_AR\Fig13_GW_B2_Sept2011_CZ.mxd | 3/15/2012 2:22:26 PM

Legend

⊡ Recovery Well On; Active	**Groundwater Elevation Contours**	Estimated Capture Zone	N
⊠ Recovery Well Off	1 foot interval	Building	
	5 foot interval	Road	

(5.7) Pumping Rate in gallons per minute, calculated from weekly totalizer readings ending week of 25 March 2011

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

1,000 500 0 1,000 Feet

B3 Zone Groundwater Elevation Contours and Estimated Capture Zones
24 March 2011

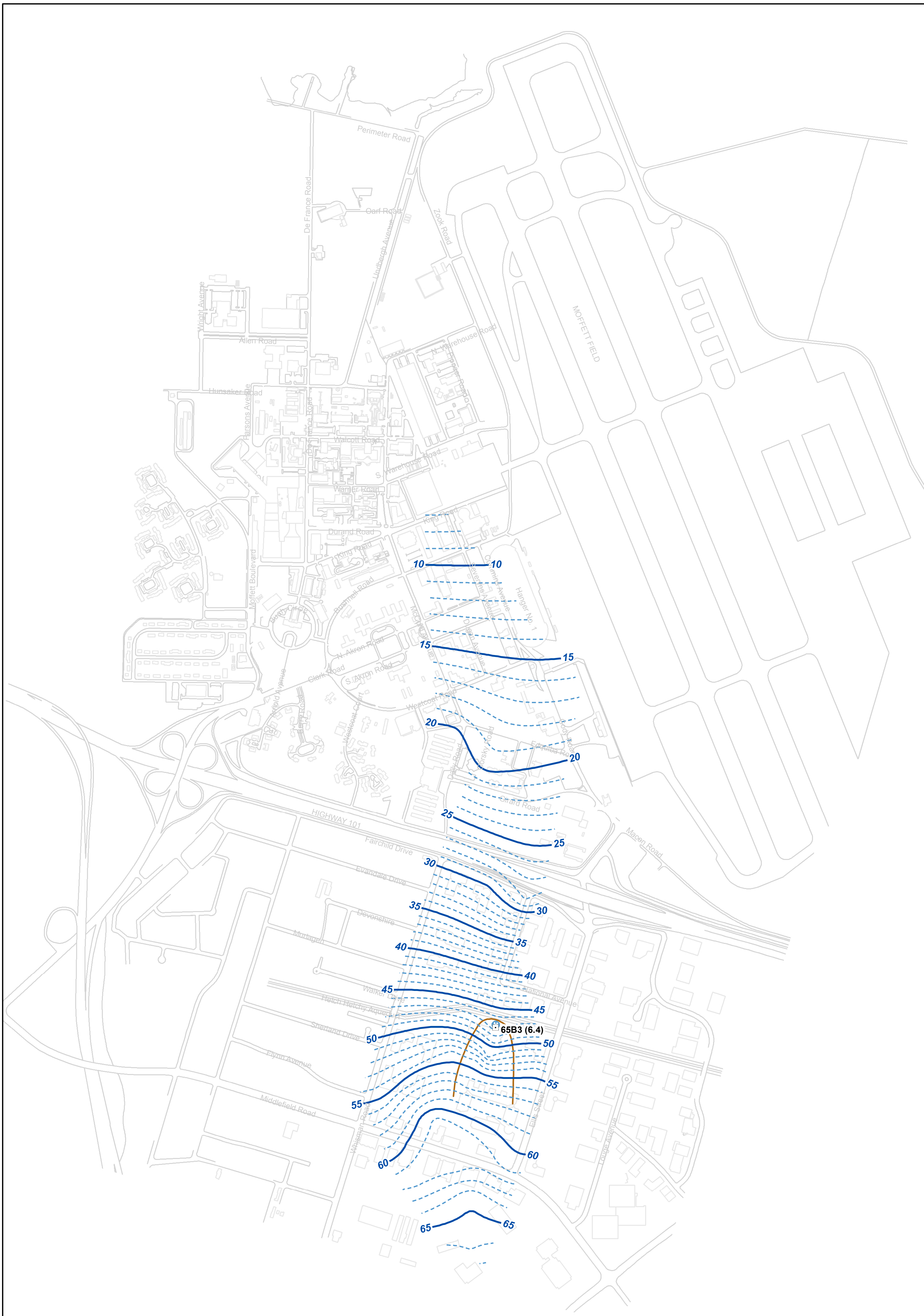
MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure **14**

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig14_GW_B3_Mar2011_CZ.mxd | 3/14/2012 11:40:22 AM



Legend

⊡ Recovery Well Active; Active

⊠ Recovery Well Off

Groundwater Elevation Contours

1 foot interval

5 foot interval

Estimated Capture Zone

Building

Road

(6.4) Pumping Rate in gallons per minute, calculated from weekly totalizer readings ending week of 15 September 2011

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

N

1,000 500 0 1,000 Feet

B3 Zone Groundwater Elevation Contours and Estimated Capture Zones 15 September 2011

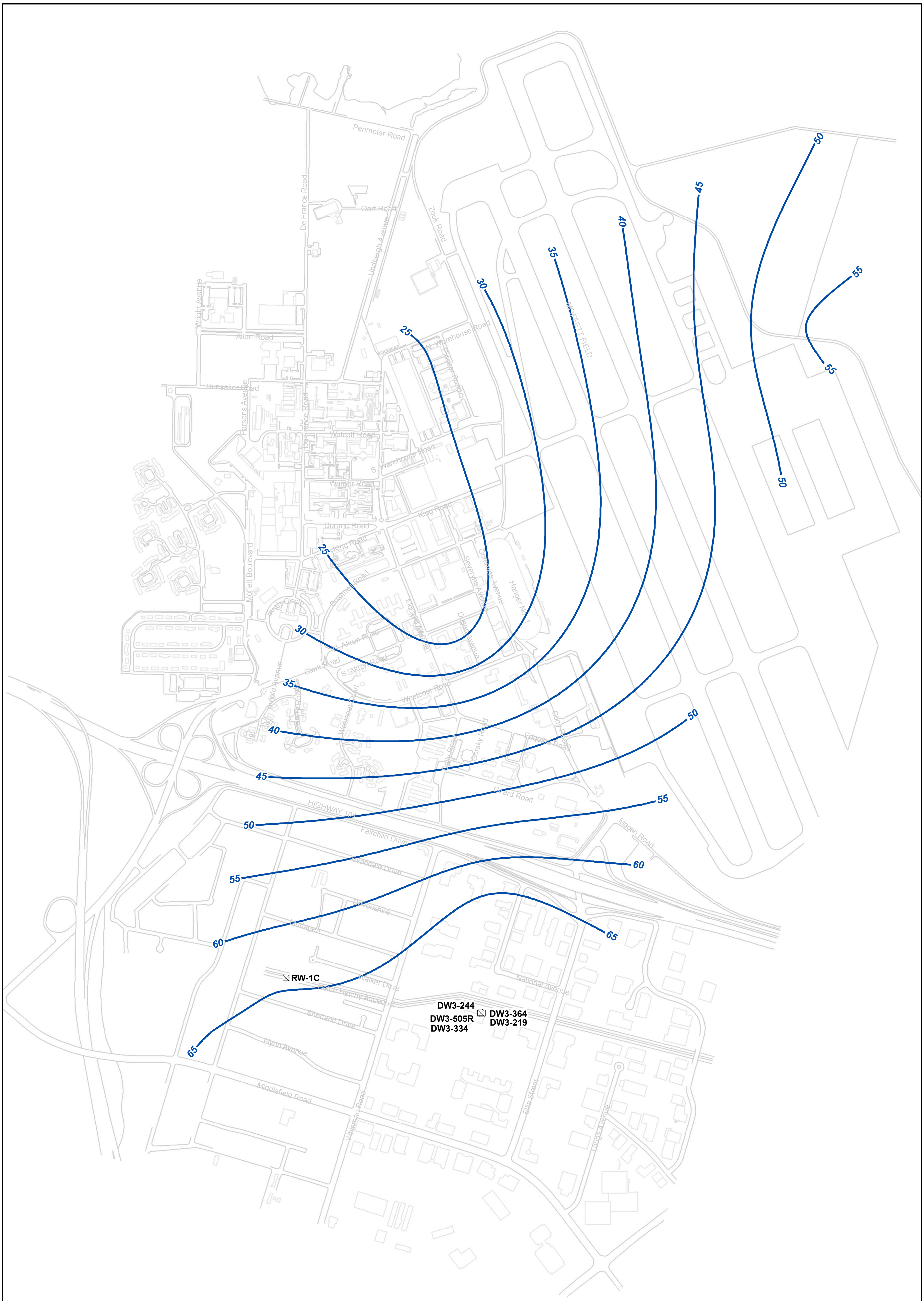
MEW Regional Groundwater Remediation Program Mountain View, California

Geosyntec consultants

Figure **15**

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig15_GW_B3_Sept2011_CZ.mxd | 3/14/2012 11:40:09 AM



Legend

- ⊡ Recovery Well On
- ⊠ Recovery Well Off

Groundwater Elevation Contours

- 1 foot interval
- 5 foot interval
- Building
- Road

N

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

1,000 500 0 1,000 Feet

C and Deep Zone Groundwater Elevation Contours
24 March 2011

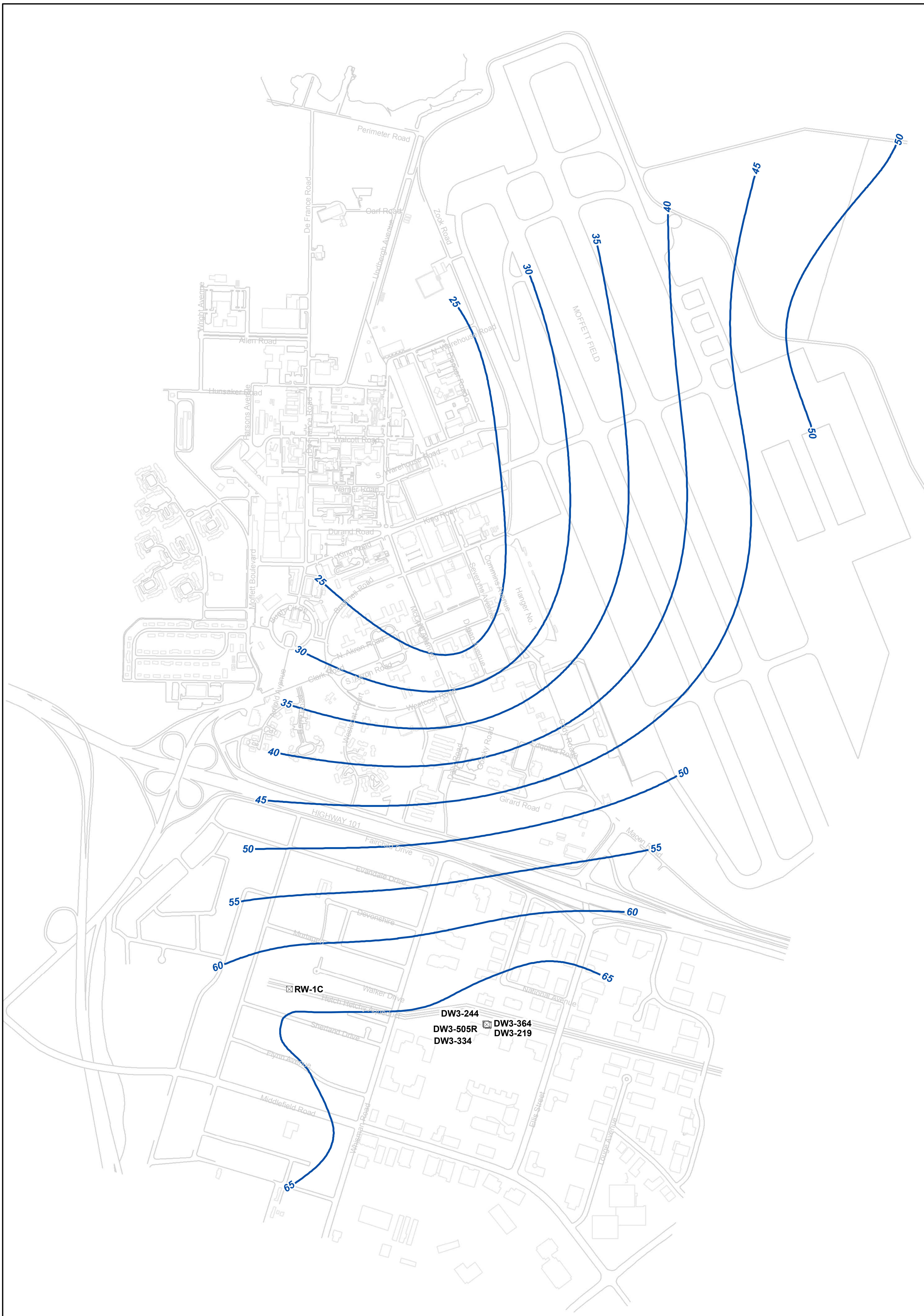
MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure **16**

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig16_GW_CDeep_Mar2011_CZ.mxd | 3/21/2012 3:35:20 PM



Legend

Recovery Well On

Recovery Well Off

Groundwater Elevation Contours

1 foot interval

5 foot interval

Building

Road

N

1,000 500 0 1,000 Feet

Note:
Groundwater elevation contour map with posted data provided in Appendix B.

C and Deep Zone Groundwater Elevation Contours
15 September 2011

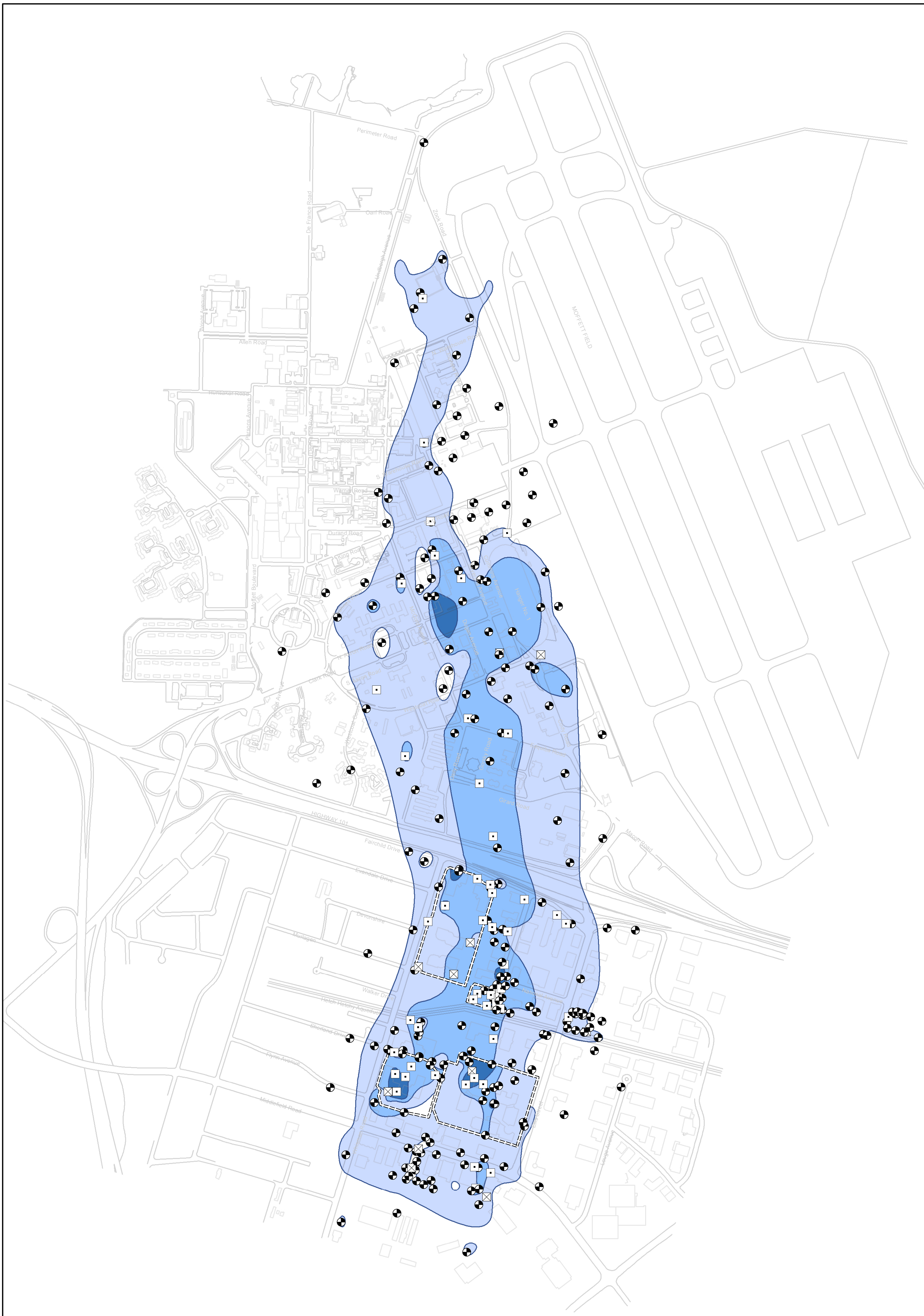
MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure 17

P:\GIS\MEW\Project\Regional\2011_AR\Fig17_GW_CDeep_Sept2011_CZ.mxd | 3/21/2012 3:35:19 PM



Legend

⊡	Recovery Well On	**TCE Concentration**		====	Slurry Wall
⊠	Recovery Well Off		5 - 100 ug/L		Building
◕	Monitoring Well		100 - 1,000 ug/L		Road
			1,000 - 10,000 ug/L		
			Greater than 10,000 ug/L		

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter
TCE isoconcentration contour map with posted data provided in Appendix C.
Figure shows only those wells sampled in 2011.

N

1,000 500 0 1,000 Feet

A/A1 Zone TCE Concentrations
September/October 2011

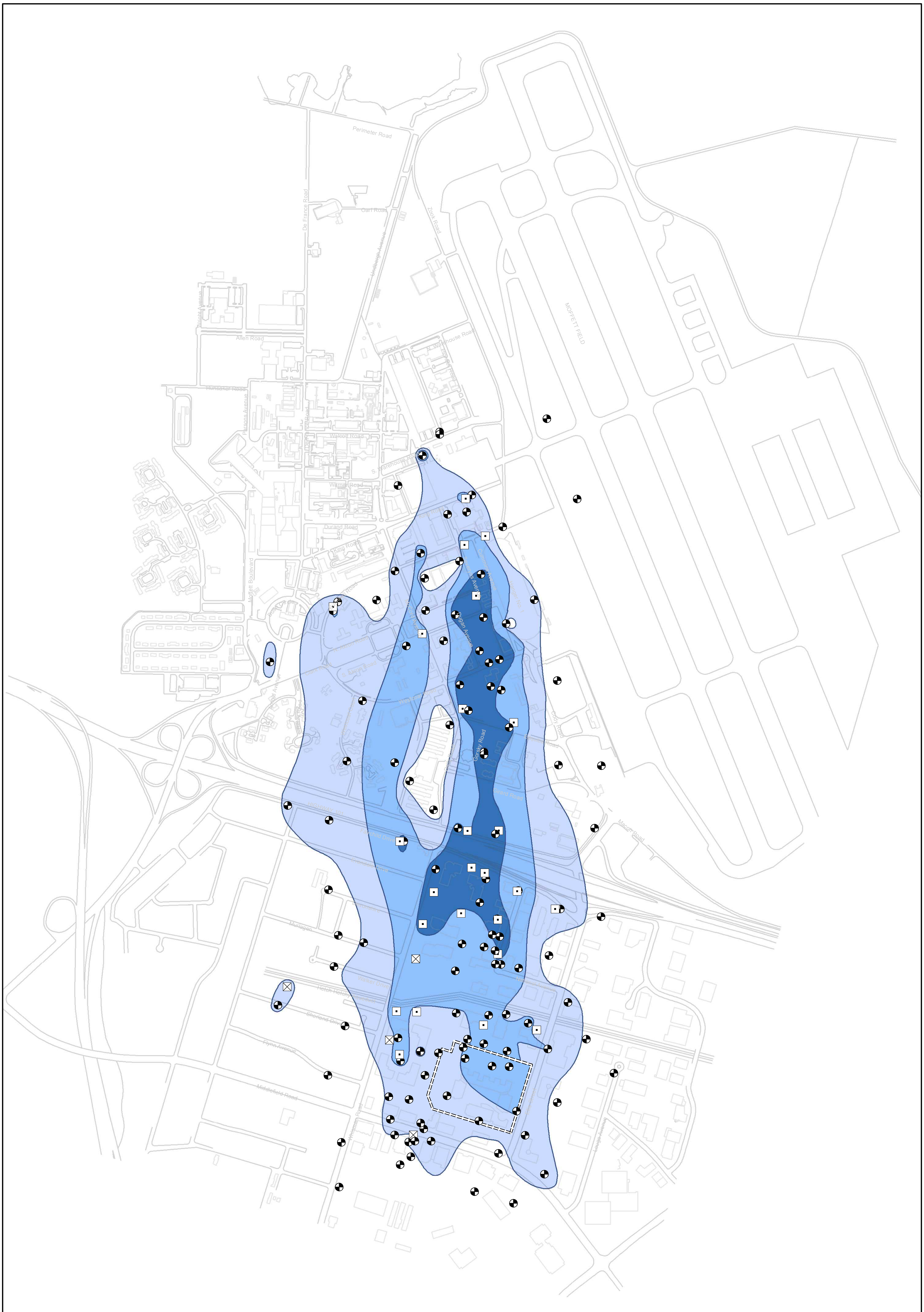
MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure **18**

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig18_TCE_AA1_Sept2011.mxd | 3/15/2012 10:28:34 AM



Legend

- Recovery Well On
- Recovery Well Off
- Monitoring Well

TCE Concentration

- 5 - 100 ug/L
- 100 - 1,000 ug/L
- 1,000 - 10,000 ug/L
- Greater than 10,000 ug/L

- ==== Slurry Wall
- Building
- Road

N

1,000 500 0 1,000 Feet

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter
TCE isoconcentration contour map with posted data provided in Appendix C.
Figure shows only those wells sampled in 2011.

B1/A2 Zone TCE Concentrations
September/October 2011

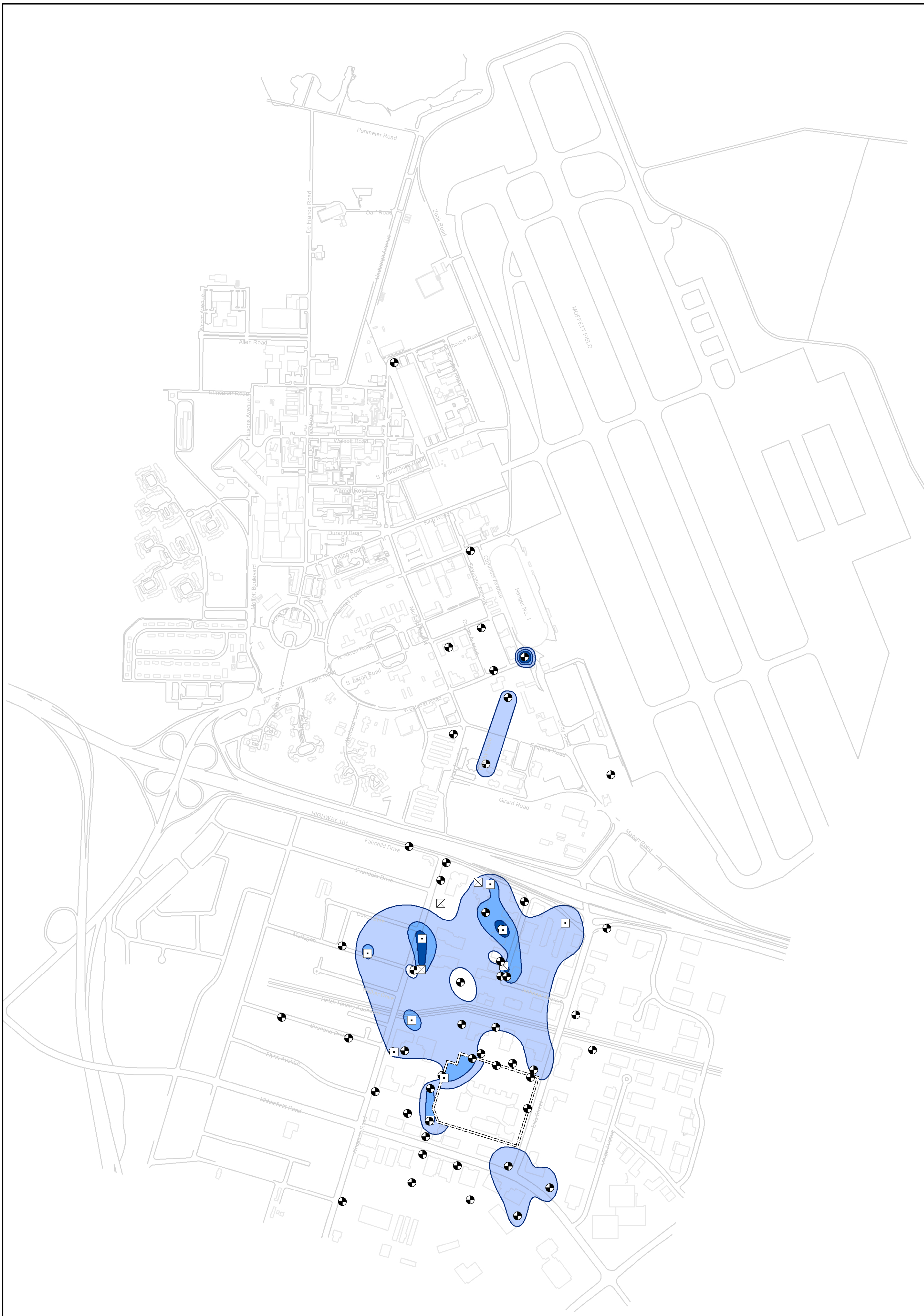
MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure 19

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig19_TCE_B1A2_Sept2011.mxd | 3/22/2012 5:21:36 PM



Legend

⊡	Recovery Well On
⊠	Recovery Well Off
◕	Monitoring Well

TCE Concentration

- 5 - 100 ug/L
- 100 - 1,000 ug/L
- 1,000 - 10,000 ug/L
- Greater than 10,000 ug/L

- ==== Slurry Wall
- Building
- Road

N

1,000 500 0 1,000 Feet

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter
TCE isoconcentration contour map with posted data provided in Appendix C.
Figure shows only those wells sampled in 2011.

B2 Zone TCE Concentrations
September/October 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure
20

P:\GIS\MEW\Project\Regional\2011_AR\Fig20_TCE_B2_Sept2011.mxd | 3/14/2012 11:34:57 AM

Legend

- Recovery Well On
- Recovery Well Off
- Monitoring Well

TCE Concentration

- 5 - 100 ug/L
- 100 - 1,000 ug/L
- 1,000 - 10,000 ug/L
- Greater than 10,000 ug/L

- Slurry Wall
- Building
- Road

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter
TCE isoconcentration contour map with posted data provided in Appendix C.
Figure shows only those wells sampled in 2011.

N

1,000 500 0 1,000 Feet

B3 Zone TCE Concentrations
September/October 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure 21

P:\GIS\MEW\Project\Regional\2011_AR\Fig21_TCE_B3_Sept2011.mxd | 3/14/2012 11:34:36 AM

Legend

- Recovery Well On
- Recovery Well Off
- Monitoring Well

TCE Concentration

- 5 - 100 ug/L
- 100 - 1,000 ug/L
- 1,000 - 10,000 ug/L
- Greater than 10,000 ug/L

- Slurry Wall
- Building
- Road

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter
TCE isoconcentration contour map with posted data provided in Appendix C.
Figure shows only those wells sampled in 2011.

N

1,000 500 0 1,000 Feet

C and Deep Zone TCE Concentrations
September/October 2011

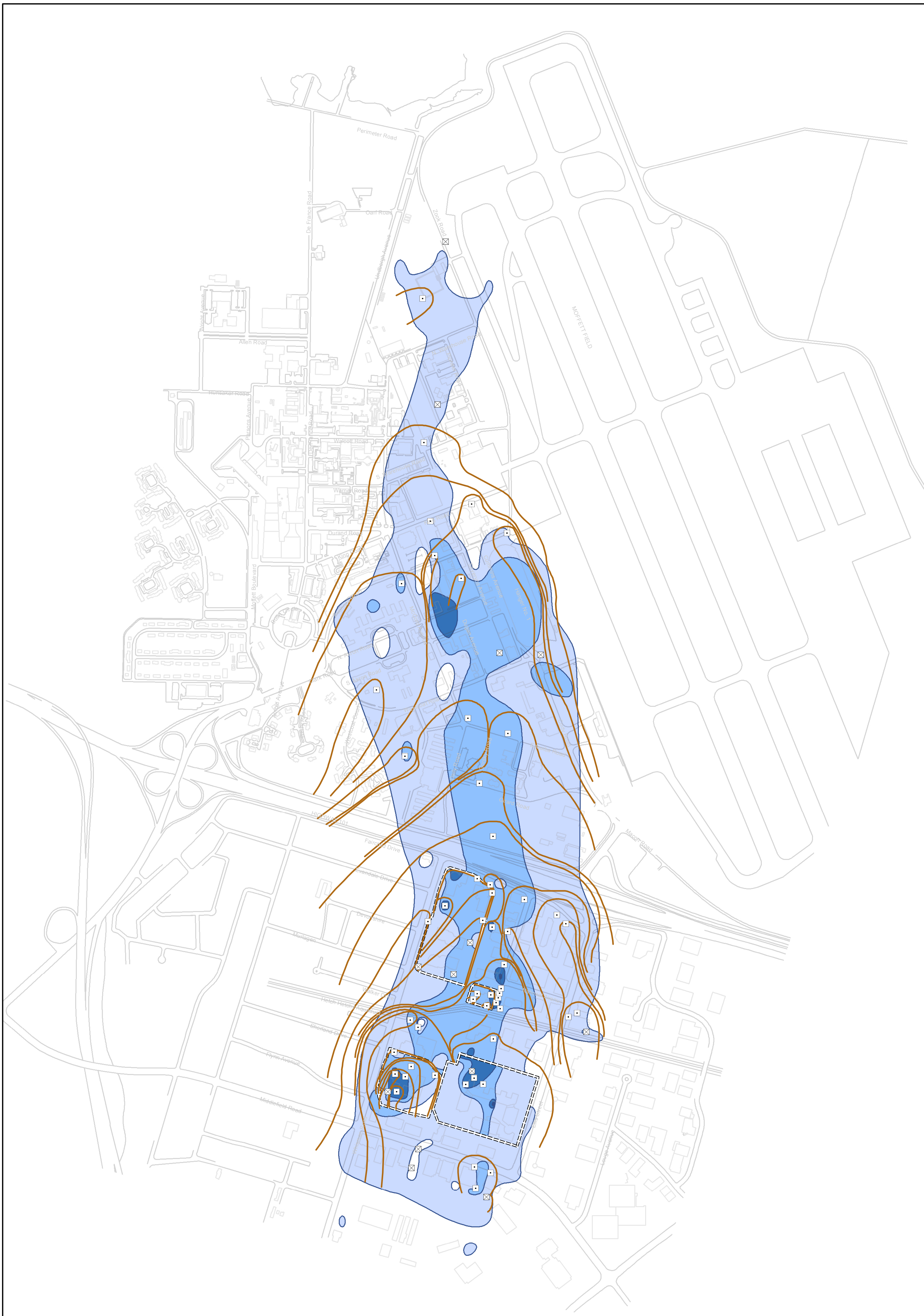
MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure **22**

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig22_TCE_CDeep_Sept2011.mxd | 3/14/2012 11:34:02 AM



Legend

- Recovery Well On
- Recovery Well Off

TCE Concentration

- 5 - 100 ug/L
- 100 - 1,000 ug/L
- 1,000 - 10,000 ug/L
- Greater than 10,000 ug/L

- Estimated Capture Zone
- Slurry Wall
- Building
- Road

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter

N

1,000 500 0 1,000 Feet

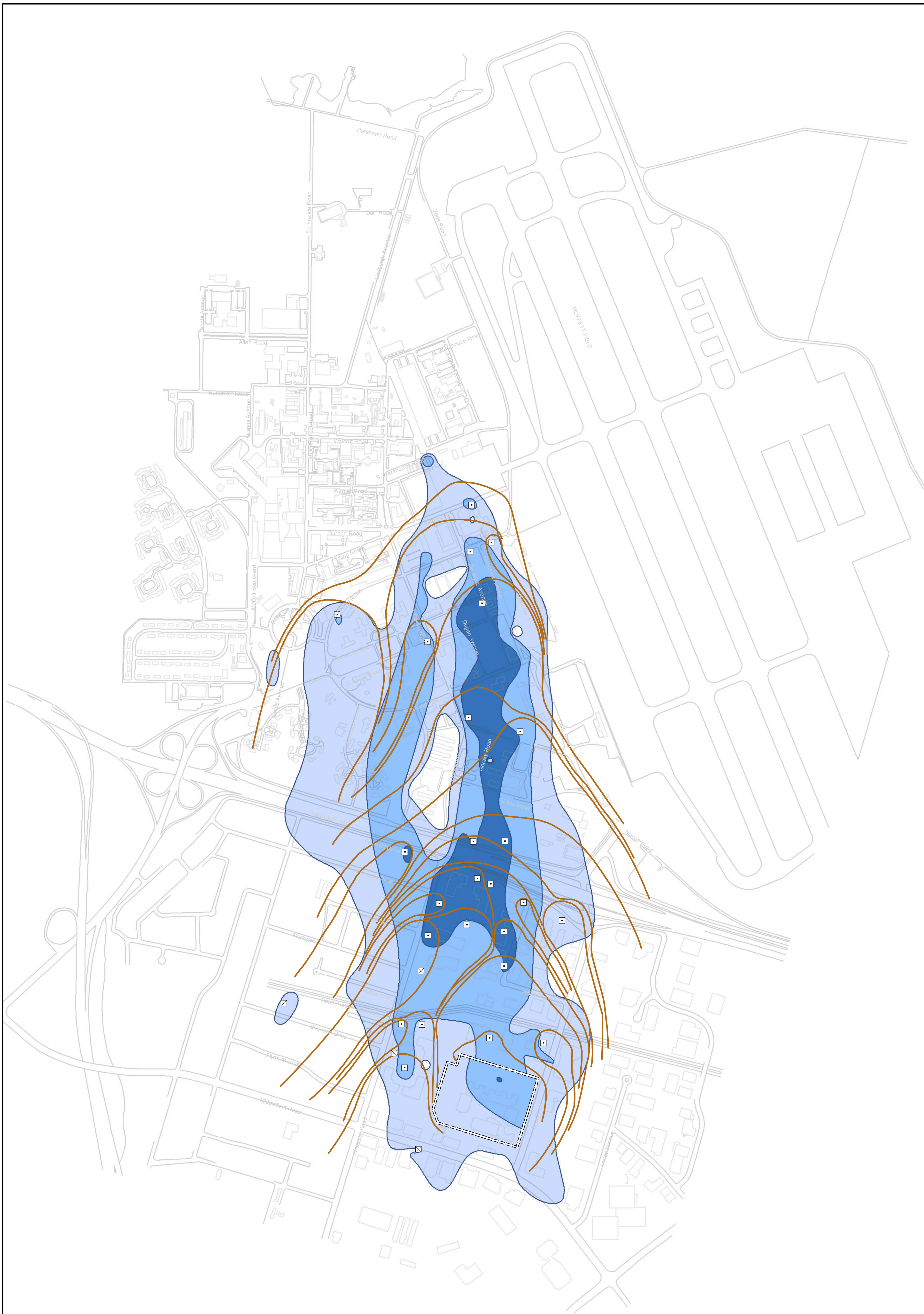
A/A1 Zone TCE Concentrations and Estimated Capture Zones September/October 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland	April 2012	Figure 23

P:\GIS\MEW\Project\Regional\2011_AR\Fig23_TCE_AA1_Sept2011_CZ.mxd | 3/14/2012 11:33:41 AM



Legend

- Recovery Well On
- Recovery Well Off

TCE Concentration

- 5 - 100 ug/L
- 100 - 1,000 ug/L
- 1,000 - 10,000 ug/L
- Greater than 10,000 ug/L

- Estimated Capture Zone
- Slurry Wall
- Building
- Road

N

1,000 500 0 1,000 Feet

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter

B1/A2 Zone TCE Concentrations and Estimated Capture Zones September/October 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure **24**

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig24_TCE_B1A2_Sept2011_CZ.mxd | 3/22/2012 5:22:21 PM

Legend

Recovery Well On

Recovery Well Off

TCE Concentration

- 5 - 100 ug/L
- 100 - 1,000 ug/L
- 1,000 - 10,000 ug/L
- Greater than 10,000 ug/L

Capture Zone

Slurry Wall

Building

Road

N

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter

1,000 500 0 1,000 Feet

B2 Zone TCE Concentrations and Estimated Capture Zones September/October 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure **25**

P:\GIS\MEW\Project\Regional\2011_AR\Fig25_TCE_B2_Sept2011_CZ.mxd | 3/14/2012 11:32:50 AM

Legend

⊡ Recovery Well On	**TCE Concentration**	Estimated Capture Zone
⊠ Recovery Well Off	5 - 100 ug/L	Building
	100 - 1,000 ug/L	Road
	1,000 - 10,000 ug/L	
	Greater than 10,000 ug/L	

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter
TCE not detected above 5 ug/L

N

1,000 500 0 1,000 Feet

B3 Zone TCE Concentrations and Estimated Capture Zones September/October 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Figure 26

Oakland | April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig26_TCE_B3_Sept2011_CZ.mxd | 3/14/2012 11:32:28 AM

Legend

Recovery Well On

Recovery Well Off

TCE Concentration

5 - 100 ug/L

100 - 1,000 ug/L

1,000 - 10,000 ug/L

Greater than 10,000 ug/L

Building

Road

N

Notes:
TCE = Trichloroethene
ug/L = micrograms per liter
No estimated capture zone in C and Deep Aquifer because recovery wells are off.

1,000 500 0 1,000 Feet

C and Deep Zone TCE Concentrations and Estimated Capture Zones September/October 2011

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

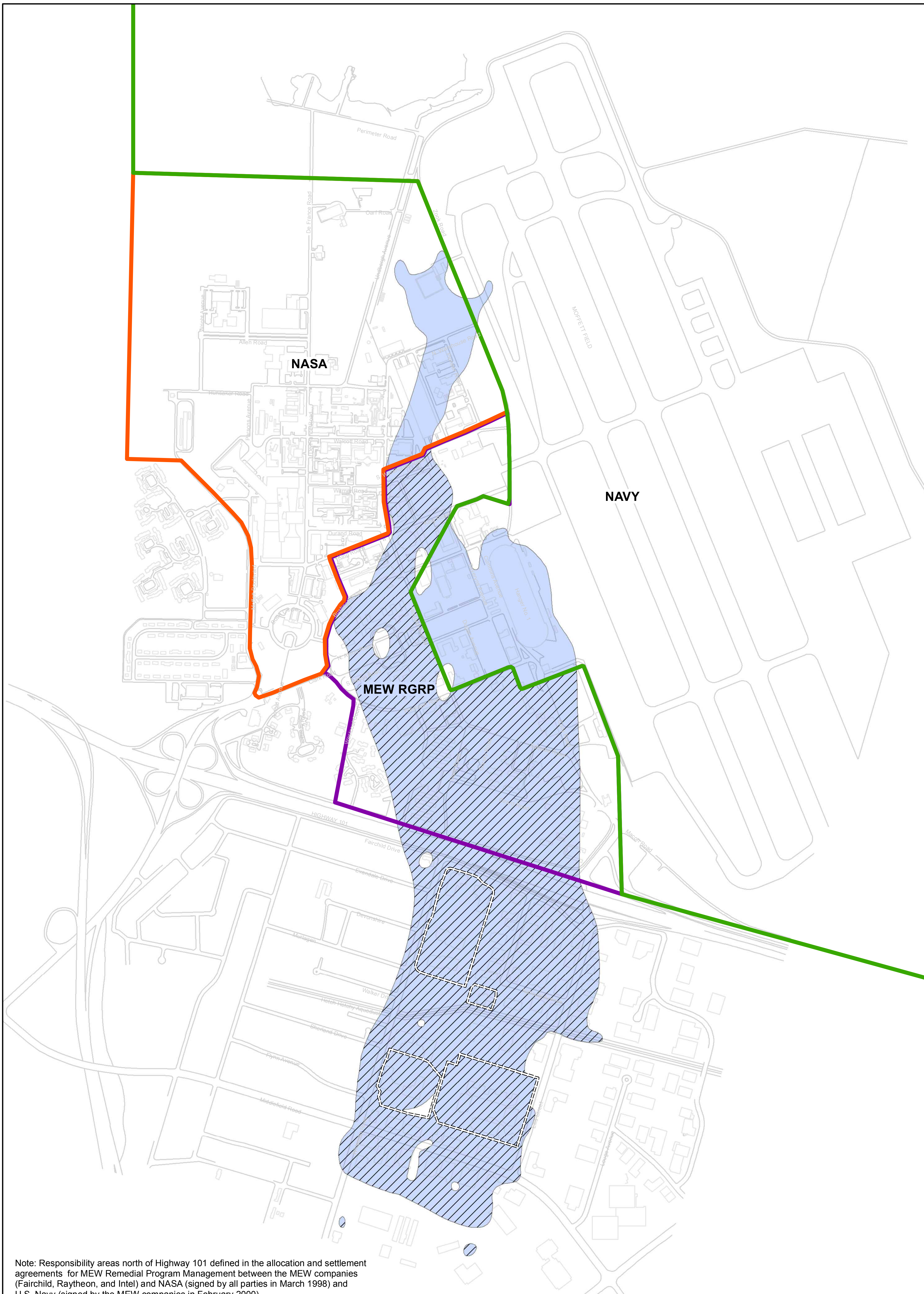
Figure

27

Oakland

April 2012

P:\GIS\MEW\Project\Regional\2011_AR\Fig27_TCE_CDeep_Sept2011_CZ.mxd | 3/14/2012 11:35:14 AM



Note: Responsibility areas north of Highway 101 defined in the allocation and settlement agreements for MEW Remedial Program Management between the MEW companies (Fairchild, Raytheon, and Intel) and NASA (signed by all parties in March 1998) and U.S. Navy (signed by the MEW companies in February 2000).
TCE = Trichloroethene
ug/L = micrograms per liter

Legend

- NASA Area of Responsibility
- U.S. Navy Area of Responsibility
- MEW RGRP (North of 101) Area of Responsibility
- MEW RGRP Target Capture Area
- TCE Plume Boundary
- Slurry Wall
- Building
- Road

N

1,000 500 0 1,000 Feet

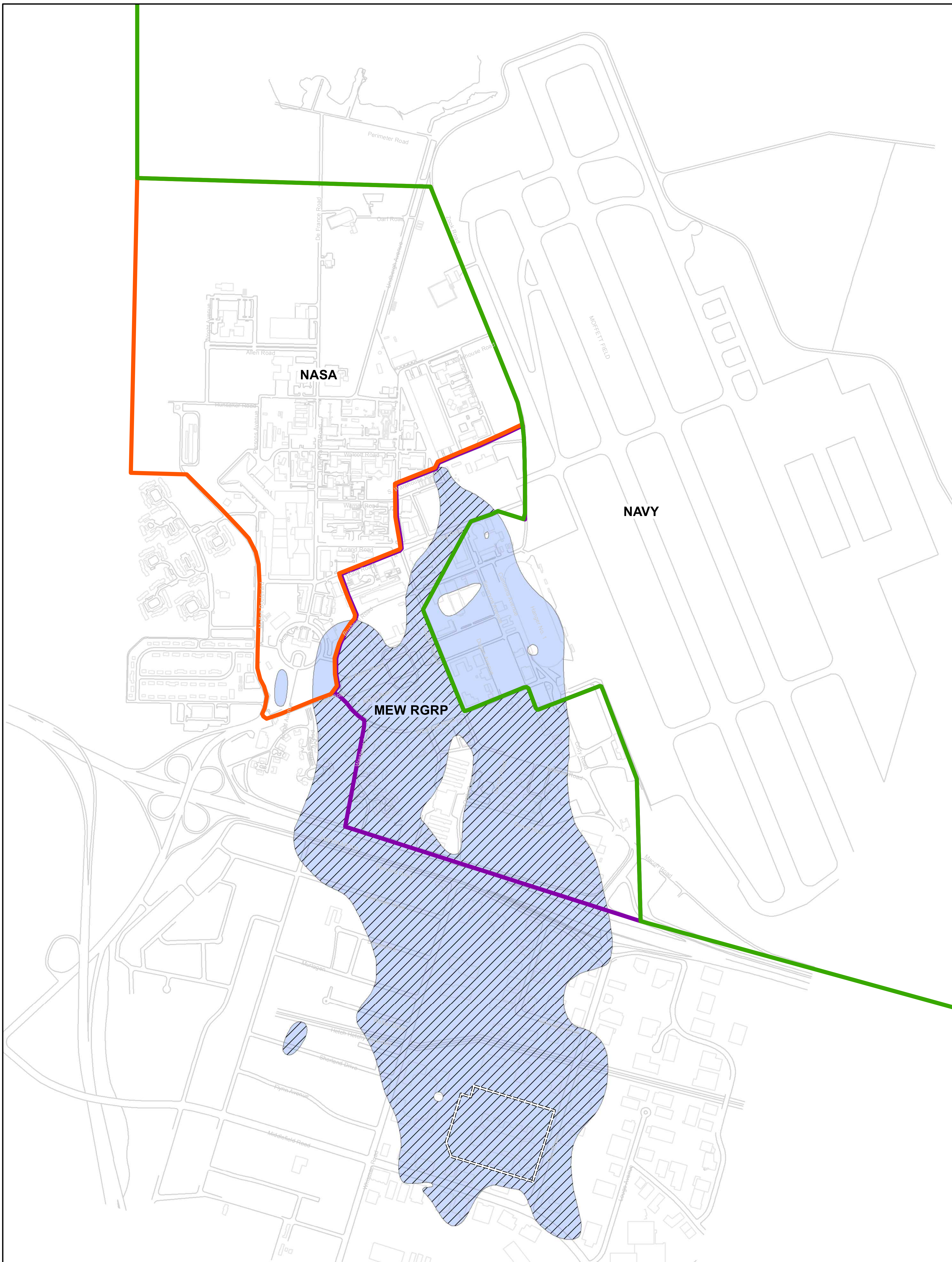
Target Capture Area, A/A1 Zone

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland	April 2012	Figure 28

P:\GIS\MEW\Project\Regional\2011_AR\Fig28_Target_Capture_AA1.mxd



Note: Responsibility areas north of Highway 101 defined in the allocation and settlement agreements for MEW Remedial Program Management between the MEW companies (Fairchild, Raytheon, and Intel) and NASA (signed by all parties in March 1998) and U.S. Navy (signed by the MEW companies in February 2000).
TCE = Trichloroethene
ug/L = micrograms per liter

Legend

- NASA Area of Responsibility
- U.S. Navy Area of Responsibility
- MEW RGRP (North of 101) Area of Responsibility
- MEW RGRP Target Capture Area
- TCE Plume Boundary
- Slurry Wall
- Building
- Road

N

1,000 500 0 1,000 Feet

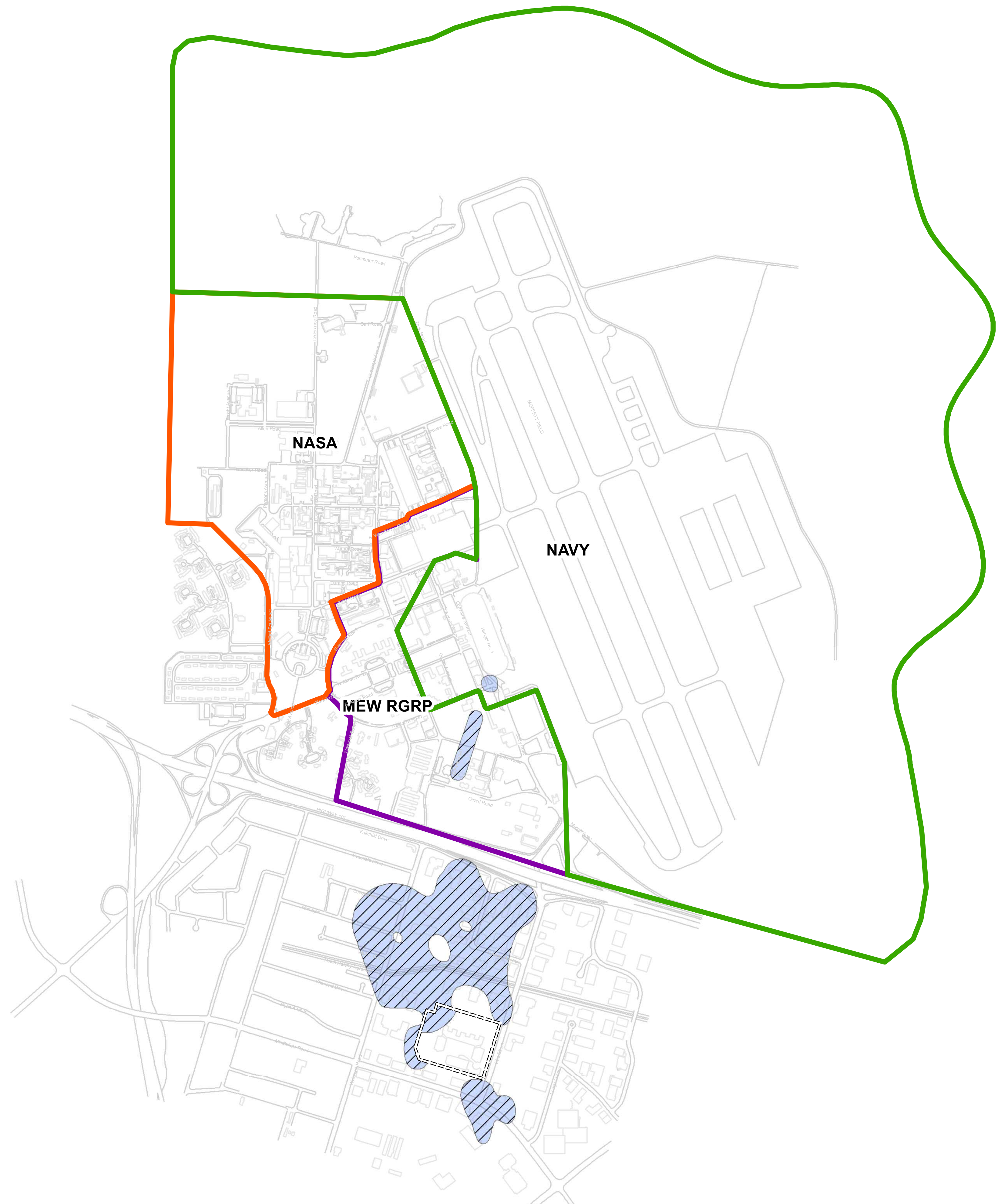
Target Capture Area, B1/A2 Zone

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure
29



Note: Responsibility areas north of Highway 101 defined in the allocation and settlement agreements for MEW Remedial Program Management between the MEW companies (Fairchild, Raytheon, and Intel) and NASA (signed by all parties in March 1998) and U.S. Navy (signed by the MEW companies in February 2000).
TCE = Trichloroethene
ug/L = micrograms per liter

Legend

- NASA Area of Responsibility
- U.S. Navy Area of Responsibility
- MEW RGRP (North of 101) Area of Responsibility
- MEW RGRP Target Capture Area
- TCE Plume Boundary
- Slurry Wall
- Building
- Road

N

1,000 500 0 1,000 Feet

Target Capture Area, B2 Zone

MEW Regional Groundwater Remediation Program
Mountain View, California

Geosyntec consultants

Oakland | April 2012

Figure **30**

APPENDIX A

Remedy Performance Checklist

2011 Annual Report Remedy Performance Checklist

I. GENERAL SITE INFORMATION	
Facility Name: MEW Regional Groundwater Remediation Program	
Facility Address, City, State: Wescoat Road and McCord Avenue, Moffett Field, CA (North 101), 644 National Avenue, Mountain View, CA (South 101)	
Checklist completion date: March 2012	EPA Site ID: CAR000164293 (North 101) CAR000104695 (South 101)
Site Lead: ☐ Fund ☐ PRP ☐ State ☐ State Enforcement ☐ Federal Facility ☑ Other, specify: U.S. EPA Region 9	

Site Remedy Components (Include Other Reference Documents for More Information, as appropriate):

Remedy components include two treatment systems, groundwater extraction and monitoring wells and associated infrastructure. Construction of the RGRP systems was completed in 1999, and components are summarized below:

North of 101 Treatment System:

- 15 recovery wells,
- Conveyance piping,
- Sediment filters and housing (2),
- Anti-scaling compound storage and metering system,
- Two shallow-tray air-strippers in series,
- pH adjustment using sulfuric acid between air-stripper units,
- A duct heater to reduce the water content of the air stripper off-gas stream;
- Two 4,000-pound vapor-phase granular activated carbon (GAC) vessels in series to remove VOC from the air stripper off-gas, and an
- Electrical distribution and control panels including:
  - a programmable logic controller (PLC),
  - Auto-dialer; and
  - a supervisory control and data acquisition (SCADA) computer.

South of 101 Treatment System:

- 10 recovery wells;
- Conveyance piping,
- Sediment filters and housing (4);
- Three 10,000-pound liquid-phase GAC vessels in series; and
- Electrical distribution and control panels including:
  - a PLC,
  - Auto-dialer; and
  - SCADA computer.

There are an additional 6 operational recovery wells and 5 non-operating recovery wells connected to the three Fairchild Treatment Systems.

Treated effluent is discharged to the City of Mountain View storm drain system under an NPDES permit. When there is a need, treated effluent from the North of 101 Treatment System is reused by NASA at their LEED Building or Arc Jet Facility.

In total, approximately 900 wells are used to monitor the remedy performance (chemistry and/or water levels).

2011 Annual Report Remedy Performance Checklist

II. CONTACTS

List important personnel associated with the Site: Name, title, phone number, e-mail address:

	Name/Title	Phone	E-mail
RP / Facility Representative	Virgilio Cocianni Schlumberger Technology Corporation	281/285-4747	cocianni-v@slb.com
RP Consultant	John Gallinatti Geosyntec Consultants	510/285-2750	jgallinatti@geosyntec.com
RP Consultant	Alok Koleker Weiss Associates	650-968-7000	adk@weiss.com
RP Consultant	Elie Haddad Haley and Aldrich	408/961-8785	ehaddad@haleyaldrich.com

2011 Annual Report Remedy Performance Checklist

III. O&M COSTS (OPTIONAL)

What is your annual O&M cost total for the reporting year?__________________________
Breakout your annual O&M cost total into the following categories (use either dollars or %):

Analytical (e.g., lab costs): ______________________________
Labor (e.g., site maintenance, sampling): ______________________________
Materials (e.g., treatment chemicals): ______________________________
Oversight (e.g., project management): ______________________________
Utilities (e.g., electric, gas, phone, water): ______________________________
Reporting (e.g., NPDES, progress): ______________________________
Other (e.g., capital improvements): ______________________________

Describe unanticipated/unusually high or low O&M costs (go to section [fill in] to recommend optimization methods):

IV. ON-SITE DOCUMENTS AND RECORDS (Check all that apply)

☑ O&M Manual ☑ O&M Maintenance Logs ☐ O&M As-built drawings ☑ O&M reports
☑ Daily access/Security logs
☑ Site-Specific Health & Safety Plan ☑ Contingency/Emergency Response Plan
☑ O&M/OSHA Training Records ☑ Settlement Monument Records
☐ Gas Generation Records ☑ Groundwater monitoring records ☐ Leachate extraction records
☑ Discharge Compliance Records (Air + water effluent)
☑ Air discharge permit ☑ Effluent discharge permit ☐ Waste disposal, POTW permit

Are these documents currently readily available? ☑ Yes ☐ No If no, where are records kept?

V. INSTITUTIONAL CONTROLS (as applicable)

List institutional controls called for (and from what enforcement document):

- Signs and other security measures are in place at extraction and treatment points.
- Groundwater production wells within plume area are prohibited. Administered by Santa Clara Valley Water District.
- Public notifications regarding remediation activities.

Status of their implementation: Posted signage at the system (Health and Safety and emergency contact information). Bay Alarm Security System.

Where are the ICs documented and/or reported? NA

ICs are being properly implemented and enforced? ☑ Yes ☐ No, elaborate below
ICs are adequate for site protection? ☑ Yes ☐ No, elaborate below

Additional remarks regarding ICs:

VI. SIGNIFICANT SITE EVENTS Check all Significant Site events Since the Last Checklist that Affects or May Affect Remedy Performance
☐ Community Issues ☐ Vandalism ☐ Maintenance Issues ☐ Other:
Please elaborate on Significant Site Events: None to report.

VII. REDEVELOPMENT
Is redevelopment on property planned? ☑ Yes ☐ No If yes, what is planned? Please describe below. Is redevelopment plan complete ☑ Yes, date:________________________; ☐ No ? ☐ Not Applicable Redevelopment proposal in progress? ☐ Yes, elaborate below ☑ No; If no, is a proposal anticipated? ☐ Yes ☑ No
☐ Is the redevelopment proposal compatible with remedy performance? ☑ Yes ☐ No Elaborate on redevelopment proposal and how it affects remedy performance: Current land use in the RGRP area is industrial/commercial with some residential areas. Redevelopment planned in the vicinity of the RGRP is described below: • North of 101: The NASA Ames Research Center has plans to redevelop unimproved land at Moffett Field (NASA Ames Development Plan, December 2002, and Google Press Center, June 4, 2008); and, • South of 101: There are plans for residential development along North Whisman Road and plans for commercial development at the 644, 660, and 670 National Avenue and 331/333 Fairchild Dr. properties. Tenant improvements that include some excavation are under way at previously redeveloped properties at 369, 379, 389, 399 North Whisman Road, at 464,466, and 468 Ellis Street and at 313 and 323 Fairchild Drive. The tenant improvement work is being done under work plans reviewed and approved by EPA. The existing RGRP treatment systems and their components (conveyance piping, extraction wells, and monitoring wells) will be maintained or modified as appropriate to accommodate redevelopment.

2011 Annual Report Remedy Performance Checklist

VIII. GROUNDWATER REMEDY (reference isoconcentration, capture zone maps, trend analysis, and other documentation to support analysis)

Groundwater Quality Data

List the types of data that are available:	What is the source report?
Groundwater Elevation Contour Maps & Estimated Capture Zones	2011 Annual Progress Report
Hydrographs	2011 Annual Progress Report
Laboratory Analytical Results and Reports	2011 Annual Progress Report
TCE Isoconcentration Contour Maps	2011 Annual Progress Report
VOC Concentration versus Time Graphs	2011 Annual Progress Report

☑ Contaminant trend(s) tracked during O&M (i.e., temporal analysis of groundwater contaminant trends).
☑ Groundwater data tracked with software for temporal analyses.
☐ Reviewed MNA parameters to ensure health of substrate (e.g., DO, pH, temperature), if appropriate?

Groundwater Pump & Treat Extraction Well and Treatment System Data

List the types of data that are available:	What is the source report?
O&M Logs	2011 NPDES Reports
Monthly Influent & Effluent Samples	2011 NPDES Reports
VOC Mass and Groundwater Removal Graphs	2011 Annual Progress Report

☑ The system is functioning adequately.
☐ The system has been shut down for significant periods of time in the past year. Please elaborate below.

Discharge Data

List the types of data that are available:	What is the source report?
System performance data such as average flow rates, totalized flow, influent/effluent analytics, GAC removal efficiencies	NPDES Discharge Reports

☑ The RGRP systems are in compliance with Waste Discharge Requirements.

Slurry Wall Data

List the types of data that are available:	What is the source report?
N/A	

Is slurry wall operating as designed? ☐ Yes ☐ No
If not, what is being done to correct the situation?

Elaborate on technical data and/or other comments

IX. AIR MONITORING/VAPOR INTRUSION PATHWAY EVALUATION (Include in Annual Progress Report and reference document)

Walk-throughs/Surveys:

The EPA issued a ROD amendment on August 16, 2010 to address vapor intrusion. The MEW parties continued to work with EPA and local entities to implement the ROD amendment during 2011. In accordance with the Statement of Work for the Vapor Intrusion ROD Amendment, an annual report summarizing the status of the vapor intrusion remedy will be submitted under separate cover (Haley and Aldrich, 2012).

Air testing/monitoring conducted: See the Annual Vapor Intrusion Progress Report (Haley and Aldrich, 2012).

Summary of Results:
See the Annual Vapor Intrusion Progress Report (Haley and Aldrich, 2012).

Problems Encountered:
See the Annual Vapor Intrusion Progress Report (Haley and Aldrich, 2012).

Recommendations/Next Steps (2012):

See the Annual Vapor Intrusion Progress Report (Haley and Aldrich, 2012).

Schedule:

See the Annual Vapor Intrusion Progress Report (Haley and Aldrich, 2012).

X. REMEDY PERFORMANCE ASSESSMENT

A. Groundwater Remedies

What are the remedial goals for groundwater? ☑ Plume containment (prevent plume migration); ☑ Plume restoration (attain ROD-specific cleanup levels in aquifer); ☐ Other goals, please explain:________________________

____

The groundwater remedy is extraction and treatment, i.e. capture of the plume beyond source areas and mass removal. The primary objective of the RGRP is to provide a groundwater extraction regime such that coordinated operation of facility-specific and regional wells results in remediation and control of groundwater within the regional study area. The Treatment System is reliable and consistent in its operation and mass removal ability, with greater than 95% up-time. The capture zones from the extraction wells provide sufficient overlap to achieve hydraulic control over the plume based on flow net evaluation and converging lines of evidence, including stable lateral extent of TCE exceeding 5 µg/L. Remediation is also demonstrated because concentrations within the TCE plume have continued to decrease. Groundwater with TCE concentrations exceeding 5 µg/L does not discharge to surface water.

Have you done a trend analysis? ☑ Yes ☐ No; If Yes, what does it show?

(Is it inconclusive due to inadequate data? Are the concentrations increasing or decreasing?) Explain and provide source document reference :

Concentrations within the core of the TCE plume have continued to decrease, while the lateral extent of groundwater with TCE exceeding 5 µg/L has been stable since 1992. See 2011 Annual Progress Report for trends in monitoring wells (Appendix D) and Optimization Evaluation Report (Geosyntec et al., 2008) for change in lateral TCE distribution over time (Figures 4-17 through 4-20).

While the lateral extent of TCE concentrations exceeding 5 µg/L has not grown since 1992 and concentrations within TCE plume have generally decreased by an order of magnitude or more, the perimeter extent of TCE concentrations has largely stabilized.

2011 Annual Report Remedy Performance Checklist

Cleanup goals in groundwater have been reached in the B3 Zone. Since 2009, the concentration of TCE has been less than 5 µg/L and no other VOCs have been detected EPA is currently preparing a Site-Wide Groundwater Feasibility Study (GWFS). The GWFS is expected to be completed in 2012.
If plume containment is a remedial goal, check all that apply: ☑Plume migration is under control (explain basis below) ☐ Plume migration is not under control (explain basis below) ☐ Insufficient data to determine plume stability (explain below) (Include attachments that substantiate your answers, e.g., reference plume, trend analysis, and capture zone maps in source document)
Elaborate on basis for determining that plume containment goal is being met or not being met: Groundwater elevation and chemical monitoring results from 2011 demonstrate that the MEW and RGRP extraction wells continue to achieve adequate horizontal and vertical capture based on converging lines of evidence, including graphical flow net analysis and chemical concentration trends. VOC concentrations in groundwater continue to remain well below historical maximums, and generally show long-term decreasing trends.
If plume restoration is a cleanup objective, check all that apply: ☑ Progress is being made toward reaching cleanup levels (explain basis below) ☐ Progress is not being made toward reaching cleanup levels (explain basis below) ☐ Insufficient data to determine progress toward restoration goal (explain below)
Elaborate on basis for determining progress or lack of progress toward restoration goal: The objective is to remediate and control the plume. The groundwater extraction, treatment, and containment systems are functioning as intended and meet the Remedial Action Objectives for the Site. While concentrations within TCE plume have generally decreased by an order of magnitude or more, treatment system influent concentrations have declined and the perimeter extent of TCE concentrations has largely stabilized. Cleanup goals in groundwater have been reached in the B3 Zone.
B. Vertical Migration
Have you done an assessment of vertical gradients? ☑ Yes ☐ No; If Yes, what does it show? (Is it inconclusive due to inadequate data? Vertical gradients are predominately upward across the site (Section 2.4.4, 2011 Annual Progress Report). Are the concentrations increasing or decreasing? Explain and provide source document reference Concentrations are stable to decreasing in 96% of RGRP monitoring wells (2011Annual Progress Report).
C. Source Control Remedies

2011 Annual Report Remedy Performance Checklist

What are the remedial goals for source control?

Target capture areas for the MEW RGRP are the 5 µg/L TCE plume boundaries south of Highway 101 and the 5 µg/L TCE plume boundaries within the allocated areas of responsibility north of Highway 101.

Facility-specific work is performed by each RP responsible for the source. Descriptions can be found in the RP's individual facility checklists.

Elaborate on basis for determining progress or lack of progress toward these goals:

Capture zone analysis in the 2011 Annual Progress Report indicate plume containment of majority of target capture areas.

XI. PROJECTIONS

Administrative Issues
Dates of next monitoring and sampling events for next annual reporting period:

A. Groundwater Remedies - Projections for the upcoming year and long-term (Check all that apply)

Remedy Projections for **the upcoming year (2012/2013)**

☐ No significant changes projected.
☐ Groundwater remedy will be converted to monitored natural attenuation. Target date:
☐ Groundwater Pump & Treat will be shut down. Target date:
☐ Groundwater cleanup standards to be modified. Target date:
☐ PRP will request remedy modification. Target date of request:
☐ Change in the number of monitoring wells. ☐ Increasing or ☐ decreasing? Target date:
☐ Change in the number and/or types of analytes being analyzed. ☐ Increasing or ☐ decreasing? Target date:
☐ Change in groundwater extraction system. Expansion or minimization (i.e., number of extraction wells and/or pumping rate)? Target date:
☐ Modification on groundwater treatment? Elaborate below. Target date:
☐ Change in discharge location. Target date:
☑ Other modification(s) anticipated: Site-wide Groundwater Feasibility Study Elaborate below. Target date: 2012

Elaborate on Remedy Projections:

EPA is currently preparing a Site-Wide Groundwater Feasibility Study (GWFS). The GWFS is expected to be completed in 2012.

Remedy Projections for **the long-term** (Check all that apply)

☐ No significant changes projected.
☐ Groundwater remedy will be converted to monitored natural attenuation. Target date:
☐ Groundwater Pump & Treat will be shut down. Target date:
☐ Groundwater cleanup standards to be modified. Target date:
☐ PRP will request remedy modification. Target date of request:
☐ Change in the number of monitoring wells. ☐ Increasing or ☐ decreasing? Target date:
☐ Change in the number and/or types of analytes being analyzed. ☐ Increasing or ☐ decreasing? Target date:
☐ Change in groundwater extraction system. Expansion or minimization (i.e., number of extraction wells and/or pumping rate)? Target date:
☐ Modification on groundwater treatment? Elaborate below. Target date:
☐ Change in discharge location. Target date:
☑ Other modification(s) anticipated: Site-wide Groundwater Feasibility Study Elaborate below. Target date: 2012

Elaborate on Remedy Projections:

EPA is currently preparing a Site-Wide Groundwater Feasibility Study (GWFS). The GWFS is expected to be completed in 2012.

B. Projections – Other Remedial Options Being Reviewed to Enhance Cleanup

Progress implementing recommendations from last report or Five-Year Review
Has optimization study been implemented or scheduled? ☑ Yes; ☐ No; If Yes, please elaborate.

An Optimization Evaluation Report was submitted September 2008.

EPA is currently preparing a Site-Wide Groundwater Feasibility Study (GWFS). The GWFS is expected to be completed in 2012.

XII. ADMINISTRATIVE ISSUES
Check all that apply:

☐ Explanation of Significant Differences in progress ☐ ROD Amendment in progress
☐ Site in operational and functional ("shake down") period;
☐ Notice of Intent to Delete in progress ☐ Partial site deletion in progress ☐ TI Waivers
☐ Other administrative issues:

Date of Next EPA Five-Year Review: **September 30, 2014**

XII. RECOMMENDATIONS

The cleanup goals for groundwater have been reached in the B3 Zone and it is recommended that RRW 65B3 be turned off.

APPENDIX D

Selected VOCs versus Time Graphs

APPENDIX D

MANN-KENDALL TREND ANALYSIS

Mann-Kendall trends were evaluated using the Monitoring and Remediation Optimization System (MAROS) software developed by GSI Environmental, Inc. (GSI) for the Air Force Center for Environmental Excellence (AFCEE).[1] Concentration trends were evaluated for TCE, cDCE, and VC. Trends were evaluated based on the 10 year period between January 2002 and December 2011.

MAROS generates time-series concentration plots for each analyte (i.e., TCE, cDCE, and VC) at each well and evaluates concentration trends using both linear regression and Mann-Kendall trend analysis. Results of the Mann-Kendall trend analysis were used to categorize the trend behavior of each compound at a well based on the following statistical criteria:

Trend	Mann-Kendall Statistic (MKS)	Confidence in the Trend (CT)	Coefficient of Variation (COV)
Decreasing (D)	< 0	$> 95\%$	N/A
Probably Decreasing (PD)	< 0	90 – 95%	N/A
Stable (S)	≤ 0	$< 90\%$	< 1
No Trend (NT)	≤ 0	$< 90\%$	≥ 1
	> 0	$< 90\%$	N/A
Probably Increasing (PI)	> 0	90 – 95%	N/A
Increasing (I)	> 0	$> 95\%$	N/A
Not Applicable (NA)[2]	--	--	--

Table D-2 provides a listing by well of the trend assignment generated by MAROS for each of TCE, cDCE, and VC. Detailed technical descriptions of the statistical methods employed by MAROS to develop the criteria used to assign trend behavior can be found in the user document for the MAROS software.

[1] MAROS is a publically-available database application developed to assist users with groundwater data trend analysis and long term monitoring optimization at contaminated groundwater sites.
[2] A well is categorized as NA if it lacks sufficient data to establish a statistical trend.

Table D-1
Selected VOCs versus Time Graphs Figure Number Key
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Figure Number	Well Name	Figure Number	Well Name	Figure Number	Well Name	Figure Number	Well Name	Figure Number	Well Name	Figure Number	Well Name	Figure Number
1A	D-29	49B1	D-87	95A	D-12	IM9A	D-33	REG-1A	D-44	RW-13B(1)	D-151	WU4-19	D-168
6B2	D-174	50B1	D-88	98B1	D-110	IM9B(1)	D-123	REG-1B(1)	D-137	SIL4A	D-66		
6C	D-215	51B2	D-170	99A	D-21	ME1B1	D-132	REG-1B(2)	D-193	SIL12A	D-67		
8B1	D-98	54B2	D-171	I9B1	D-121	ME2B1	D-133	REG-2A	D-34	W9-16	D-68		
8C	D-216	56B1	D-104	103B1	D-111	NEC8B1	D-134	REG-2B(1)	D-138	W9-17	D-152		
9C	D-217	61A	D-16	105B1	D-112	NEC8B2	D-191	REG-3A	D-35	W9-25	D-153		
10C	D-218	62A	D-17	109A	D-22	NEC14B1	D-135	REG-3B(1)	D-139	W9-38	D-69		
11C	D-219	62B2	D-181	112B1	D-113	NEC18B1	D-136	REG-3B(2)	D-194	W9-41	D-154		
13B1	D-99	65A	D-1	113B2	D-185	NEC18B2	D-192	REG-4A	D-36	W9SC-20	D-155		
14B1	D-100	65B3	D-208	119B1	D-114	R4C	D-223	REG-4B(1)	D-140	W12-6	D-70		
14D02A	D-51	67B1	D-105	122B1	D-115	R5B3	D-209	REG-5A	D-37	W14-3	D-71		
14D09A	D-52	68B1	D-89	123B2	D-173	R6B1	D-145	REG-5B(1)	D-124	W14-5	D-156		
14D13A	D-53	72A	D-2	124B1	D-116	R9B3	D-210	REG-6A	D-38	W60-2	D-72		
14E14A	D-54	73A	D-3	125B2	D-186	R13B1	D-146	REG-6B(1)	D-125	W89-1	D-73		
15B2	D-175	74A	D-4	129B2	D-187	R13B2	D-197	REG-7A	D-39	W89-2	D-74		
15H05A	D-55	74B1	D-106	132B2	D-188	R16B1	D-147	REG-7B(1)	D-126	W89-03A-R	D-42		
16B2	D-176	75A	D-5	133B3	D-207	R22A	D-56	REG-8A	D-40	W89-04A-R	D-43		
17B2	D-169	75B2	D-182	134A	D-23	R22B1	D-148	REG-8B(1)	D-127	W89-5	D-75		
20A	D-30	76B2	D-183	134B2	D-189	R24A	D-57	REG-9A	D-41	W89-7	D-76		
21A	D-31	77A	D-18	139B1	D-95	R25A	D-58	REG-9B(1)	D-128	W89-8	D-77		
23A	D-32	77B1	D-107	140B1	D-117	R27B3	D-211	REG-10A	D-45	W89-9	D-78		
26A	D-13	78A	D-19	142A	D-24	R29A	D-59	REG-10B(1)	D-129	W89-11	D-157		
26B1	D-101	78B1	D-90	143B1	D-118	R30B2	D-198	REG-11A	D-46	W89-12	D-158		
28B3	D-204	79A	D-20	144A	D-25	R31A	D-60	REG-11B(1)	D-141	W89-13B1-R	D-131		
29A	D-14	79B1	D-91	153A	D-26	R32A	D-61	REG-12A	D-47	W89-14	D-159		
30B3	D-205	81A	D-6	154B1	D-96	R40B1(B2)	D-199	REG-12B(1)	D-130	WNB-14	D-160		
32B1	D-102	81B1	D-92	155B1	D-97	R41B2	D-200	REG-MW-1A	D-48	WT14-1	D-79		
33B1	D-103	82A	D-7	162A	D-27	R43A	D-62	REG-MW-1B(1)	D-142	WU4-1	D-80		
36B2	D-177	82B2	D-172	173A	D-28	R46A	D-63	REG-MW-1B(2)	D-195	WU4-2	D-161		
37B2	D-178	83B1	D-93	DW1-230	D-222	R46B1	D-149	REG-MW-2A	D-49	WU4-3	D-81		
38B2	D-190	87B1	D-94	DW2-234	D-220	R50B2	D-201	REG-MW-2B(1)	D-143	WU4-4	D-162		
40B2	D-179	88A	D-8	DW3-219	D-221	R52B2	D-202	RP22B	D-150	WU4-5	D-163		
43B2	D-180	89A	D-9	DW3-244	D-226	R54B3	D-212	RW-1C	D-224	WU4-6	D-164		
44B3	D-206	89B2	D-184	DW3-334	D-227	R55B2	D-203	RW-2(B1)	D-119	WU4-7	D-165		
45A	D-15	91B1	D-108	DW3-364	D-228	R56B3	D-213	RW-4(B1)	D-120	WU4-12	D-166		
46B1	D-84	92A	D-10	DW3-505R	D-229	R57A	D-64	RW-9(B1)R	D-144	WU4-13	D-167		
47B1	D-85	92B1	D-109	DW3-551	D-225	R59A	D-65	RW-9(B2)	D-196	WU4-16	D-82		
48B1	D-86	93A	D-11	IM5B(1)	D-122	R61B3	D-214	RW-9A	D-50	WU4-18	D-83		

Table D-2
Mann Kenndall Statistics Concentration Trends Summary
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	TCE	cis-1,2-DCE	Vinyl Chloride
A/A1 Zone			
65A	D	PI	NT
72A	D	D	S
73A	D	NT	D
74A	D	D	S
75A	D	S	S
81A	D	NT	I
82A	D	NT	S
88A	D	I	S
89A	D	NT	PD
92A	PD	S	S
93A	S	PD	S
95A	D	D	S
1A	S	NT	S
20A	S	S	S
21A	NT	S	S
23A	D	S	S
26A	PD	PD	S
29A	PD	S	S
45A	NT	NT	S
61A	S	PD	S
62A	D	PD	NT
77A	S	S	S
78A	S	S	S
79A	S	NT	S
99A	D	S	S
109A	PD	NT	NT
134A	S	I	S
142A	D	D	PD
144A	S	S	S
153A	PD	NT	S
162A	NT	NT	S
173A	NT	NT	S
IM9A	D	NT	S
REG-2A	D	NT	S

Well Name	TCE	cis-1,2-DCE	Vinyl Chloride
REG-3A	D	PI	S
REG-4A	D	PI	S
REG-5A	D	PI	S
REG-6A	D	D	D
REG-7A	D	PD	S
REG-8A	D	D	NT
REG-9A	D	NT	PI
W89-03A-R	S	S	S
W89-04A-R	S	S	S
REG-1A	D	S	S
REG-10A	D	S	S
REG-11A	D	NT	S
REG-12A	D	NT	S
REG-MW-1A	S	NT	NT
REG-MW-2A	D	NT	S
RW-9A	D	I	NT
14D02A	S	NT	NT
14D09A	NT	I	PI
14D13A	PI	I	S
14E14A	I	I	S
15H05A	S	S	S
R22A	S	S	S
R24A	PD	S	S
R25A	S	S	S
R29A	S	S	S
R31A	NT	D	S
R32A	D	I	NT
R43A	D	NT	S
R46A	I	D	S
R57A	D	PD	S
R59A	D	D	PD
SIL4A	D	PD	S
SIL12A	D	S	NT
W9-16	D	D	NT
W9-38	D	I	NT

Well Name	TCE	cis-1,2-DCE	Vinyl Chloride
W12-6	NT	S	S
W14-3	NT	I	S
W60-2	D	D	S
W89-1	NT	NT	S
W89-2	NT	NT	NT
W89-5	D	S	NT
W89-7	NT	S	S
W89-8	S	NT	PI
W89-9	I	I	S
WT14-1	S	S	S
WU4-1	D	S	D
WU4-3	D	NT	NT
WU4-16	S	S	I
WU4-18	NT	S	S
B1/A2 Zone			
46B1	D	PD	S
47B1	NT	I	NT
48B1	S	S	S
49B1	S	S	S
50B1	NT	S	S
68B1	D	NT	NT
78B1	D	NT	S
79B1	NT	NT	S
81B1	NT	S	S
83B1	NT	NT	S
87B1	D	D	S
139B1	NT	S	S
154B1	D	I	NT
155B1	D	S	S
8B1	D	D	S
13B1	D	D	D
14B1	S	S	S
26B1	S	S	S
32B1	PD	PD	NT

Well Name	TCE	cis-1,2-DCE	Vinyl Chloride
33B1	D	I	NT
56B1	S	S	S
67B1	S	S	S
74B1	PD	S	S
77B1	PD	NT	NT
91B1	D	D	D
92B1	D	PD	S
98B1	D	D	S
103B1	NT	NT	S
105B1	D	S	S
112B1	D	S	NT
119B1	D	D	S
122B1	NT	S	S
124B1	S	S	S
140B1	D	S	S
143B1	D	PD	D
RW-2B1	D	S	S
RW-4B1	D	PI	S
I9B1	S	S	S
IM5B1	S	I	NT
IM9B1	D	S	S
REG-5B1	D	NT	S
REG-6B1	D	I	S
REG-7B1	D	S	NT
REG-8B1	D	NT	S
REG-9B1	D	D	S
REG-10B1	D	NT	S
REG-12B1	D	I	S
W89-13B1-R	NT	S	S
ME1B1	D	PD	S
ME2B1	NT	NT	S
NEC8B1	NT	NT	S
NEC14B1	D	PD	S
NEC18B1	NT	S	S
REG-1B1	D	NT	NT

Notes:
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
I =Increasing
PI =Probably Increasing
S = Stable
PD = Probably Decreasing
D = Decreasing
NT = No Trend

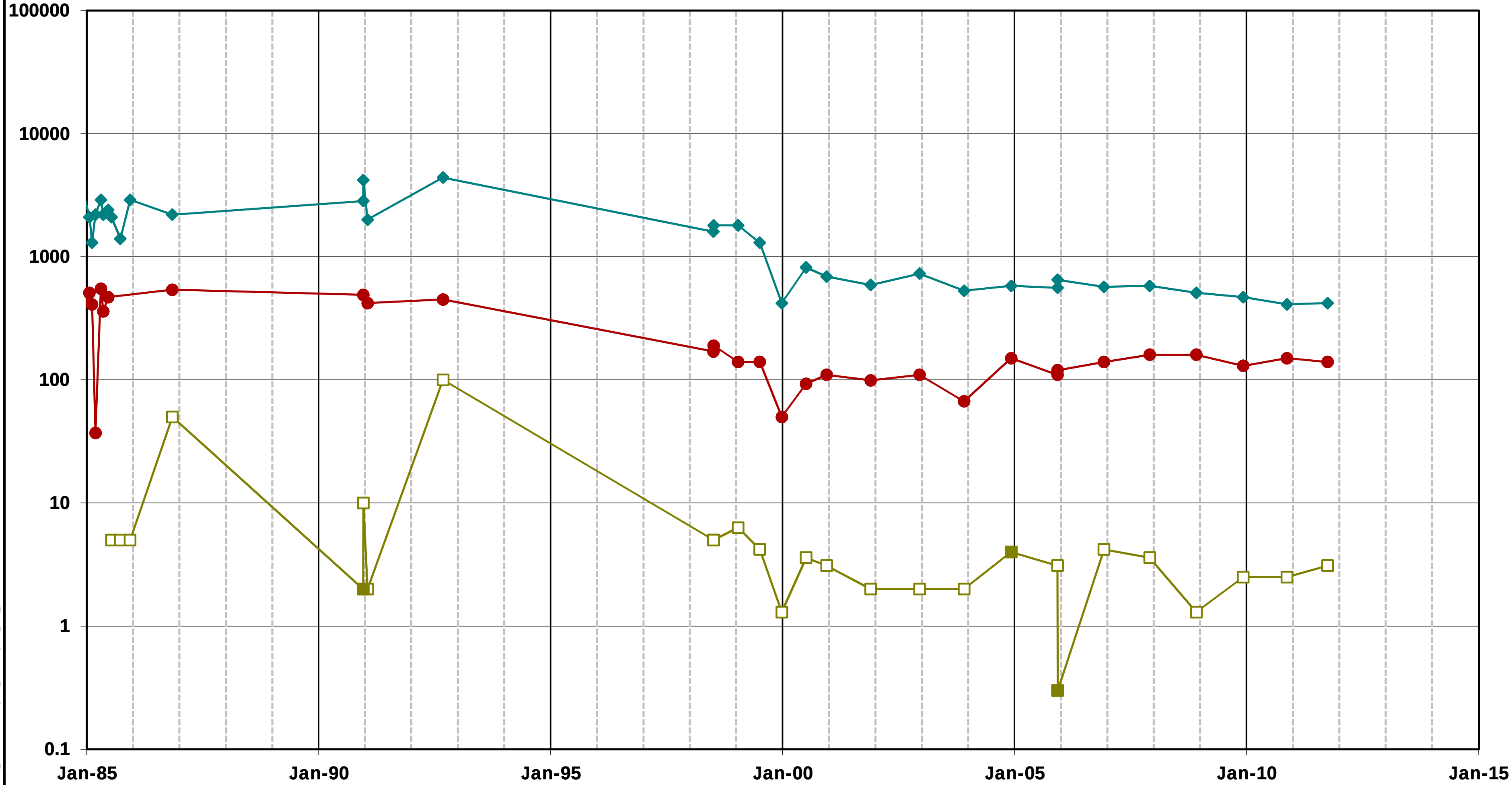
Table D-2
Mann Kenndall Statistics Concentration Trends Summary
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	TCE	cis-1,2-DCE	Vinyl Chloride
REG-2B1	D	NT	S
REG-3B1	D	S	S
REG-4B1	D	D	S
REG-11B1	D	D	S
REG-MW-1B1	NT	NT	PI
REG-MW-2B1	D	PD	S
RW-9B1R	D	NT	S
R6B1	NT	PI	S
R13B1	I	S	S
R16B1	S	I	S
R22B1	S	S	S
R46B1	D	D	S
RP22B	NT	S	S
RW-13B1	PD	NT	S
W9-17	NT	NT	NT
W9-25	S	NT	NT
W9-41	D	NT	S
W9SC-20	S	NT	NT
W14-5	NT	NT	NT
W89-11	PI	NT	NT
W89-12	D	NT	NT
W89-14	I	NT	S
WNB-14	D	NT	NT
WU4-2	D	NT	D
WU4-4	D	S	NT
WU4-5	D	S	NT
WU4-6	D	NT	NT
WU4-7	S	S	NT
WU4-12	D	I	NT
WU4-13	NT	I	NT
WU4-19	PD	D	S
B2 Zone			
17B2	I	S	S
51B2	PI	S	S
54B2	NT	S	S

Well Name	TCE	cis-1,2-DCE	Vinyl Chloride
82B2	NT	NT	S
123B2	NT	S	S
6B2	D	S	S
15B2	S	S	S
16B2	D	D	S
36B2	NT	S	NT
37B2	S	S	S
40B2	D	D	NT
43B2	S	S	S
62B2	S	S	S
75B2	S	S	S
76B2	S	S	S
89B2	NT	D	S
113B2	S	NT	NT
125B2	S	S	S
129B2	S	S	S
132B2	NT	S	S
134B2	S	S	S
38B2	D	S	S
NEC8B2	S	S	S
NEC18B2	D	D	S
REG-1B2	D	I	NT
REG-3B2	D	D	S
REG-MW-1B2	NT	NT	S
RW-9B2	D	NT	NT
R13B2	NT	S	S
R30B2	NT	S	S
R40B1B2	D	S	S
R41B2	S	S	S
R50B2	S	S	S
R52B2	NT	S	S
R55B2	S	S	S
B3 Zone			
28B3	S	S	S
30B3	NT	S	S

Well Name	TCE	cis-1,2-DCE	Vinyl Chloride
44B3	NT	NT	S
133B3	NT	S	NT
65B3	D	S	S
R5B3	S	S	S
R9B3	S	S	S
R27B3	S	S	S
R54B3	S	S	S
R56B3	S	S	S
R61B3	S	S	S
C Zone			
6C	S	S	S
8C	NT	PD	S
9C	NT	S	S
10C	NT	S	S
11C	NT	S	S
DW2-234	S	S	S
DW3-219	NT	NT	NT
DW1-230	S	S	S
R4C	S	S	S
RW-1C	D	I	S
Deep Zone			
DW3-551	NT	S	S
DW3-244	S	S	S
DW3-334	NT	NT	S
DW3-364	D	S	S
DW3-505R	S	S	S

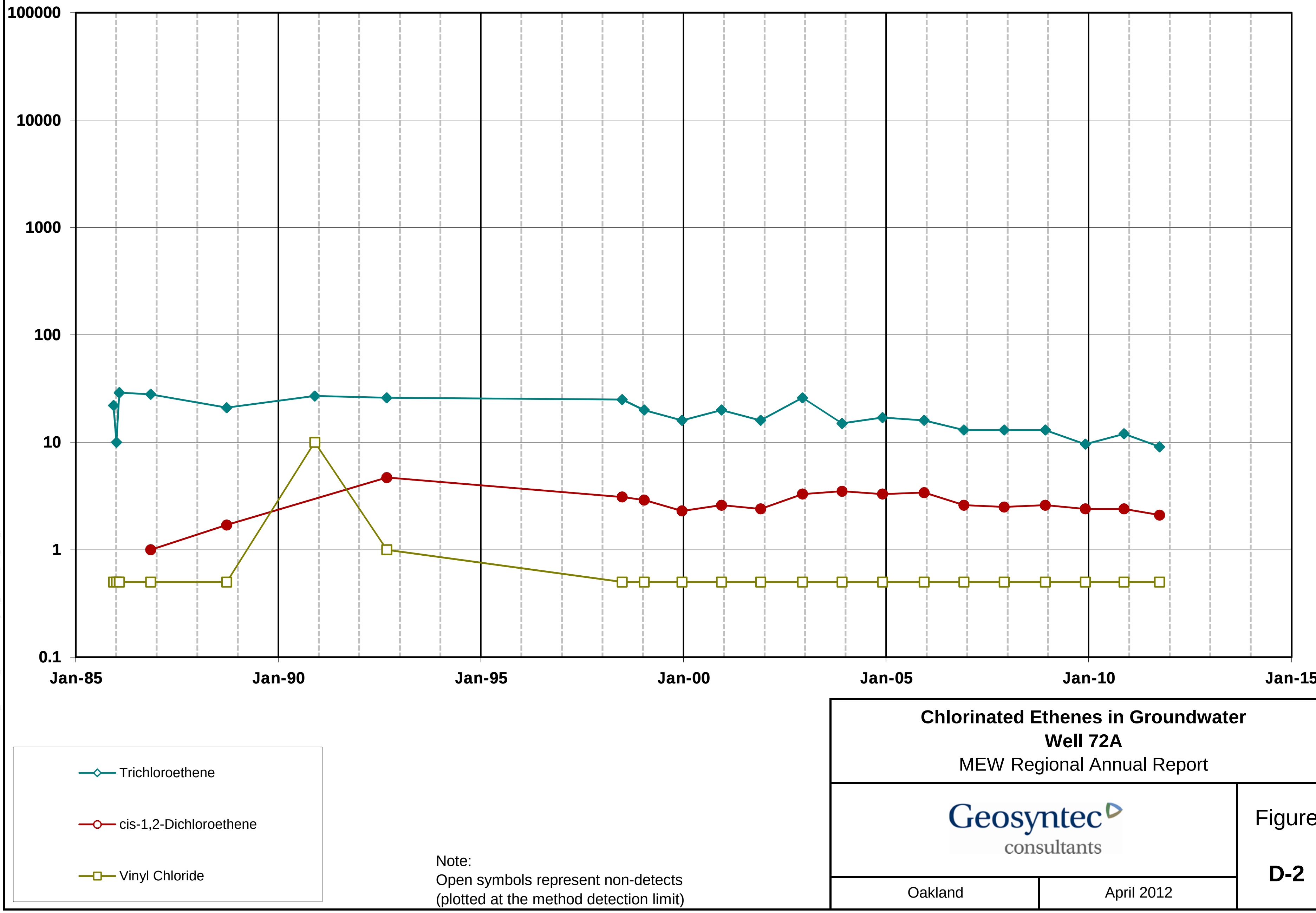
Notes:
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
PI =Probably Increasing
S = Stable
PD = Probably Decreasing
D = Decreasing
NT = No Trend



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[65A_VOC.xls]Plot_65A_VOC

Chlorinated Ethenes in Groundwater Well 65A MEW Regional Annual Report		
Geosyntec consultants		Figure D-1
Oakland	April 2012	



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[72A_VOC.xls]Plot_72A_VOC

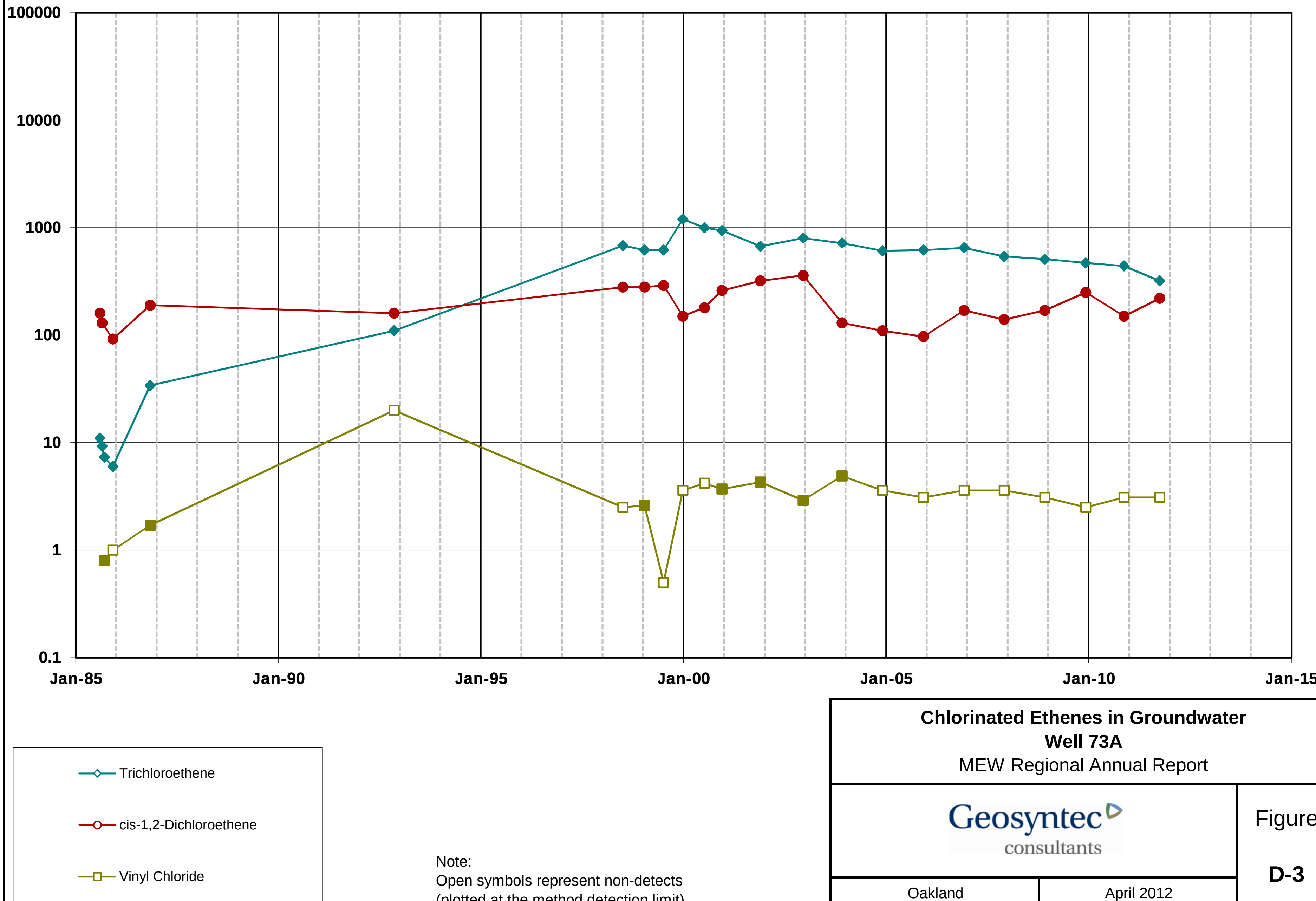
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 72A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-2**

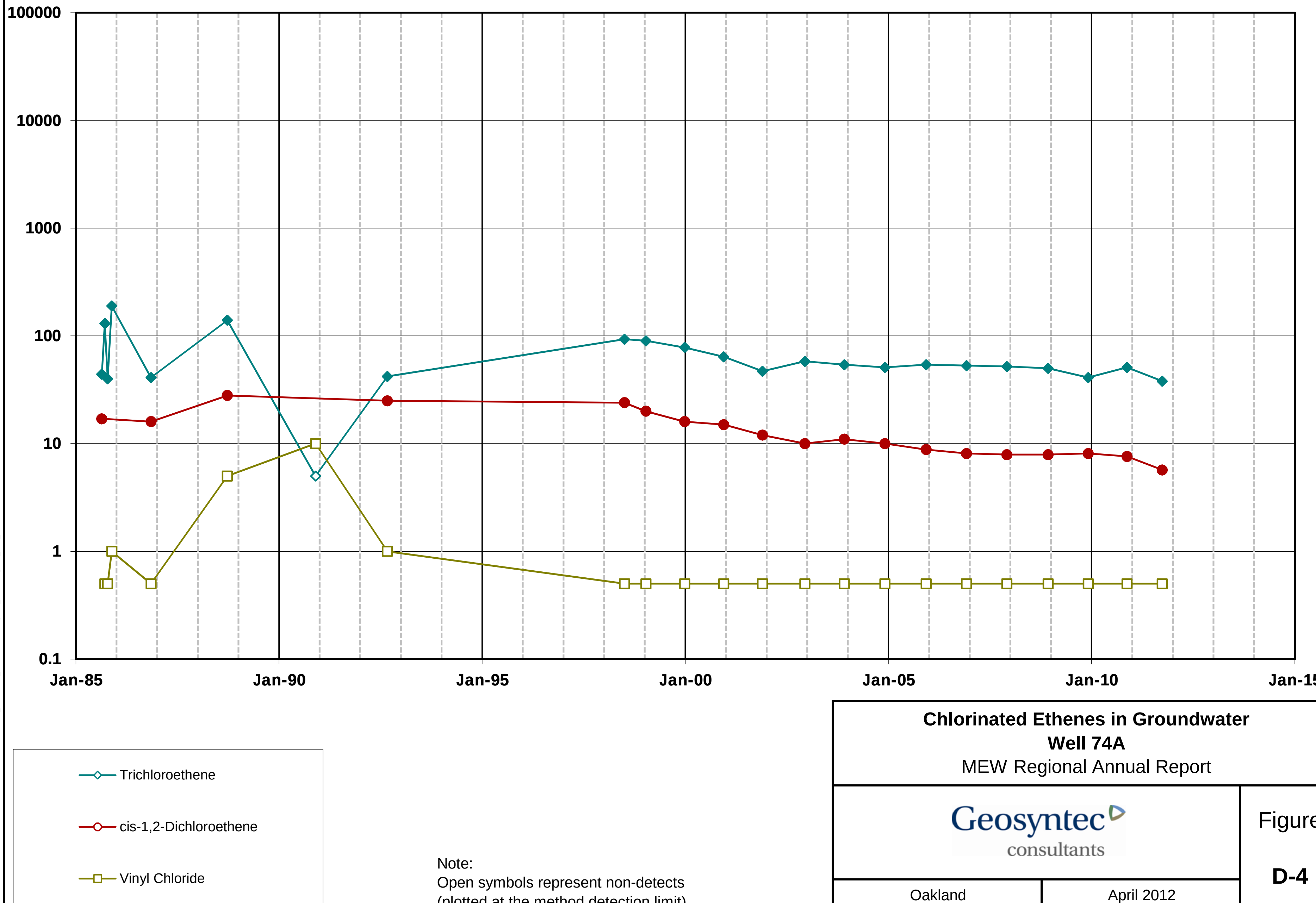
Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater **Well 73A** MEW Regional Annual Report		
Geosyntec consultants		Figure **D-3**
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[73A_VOC.xls]Plot_73A_VOC



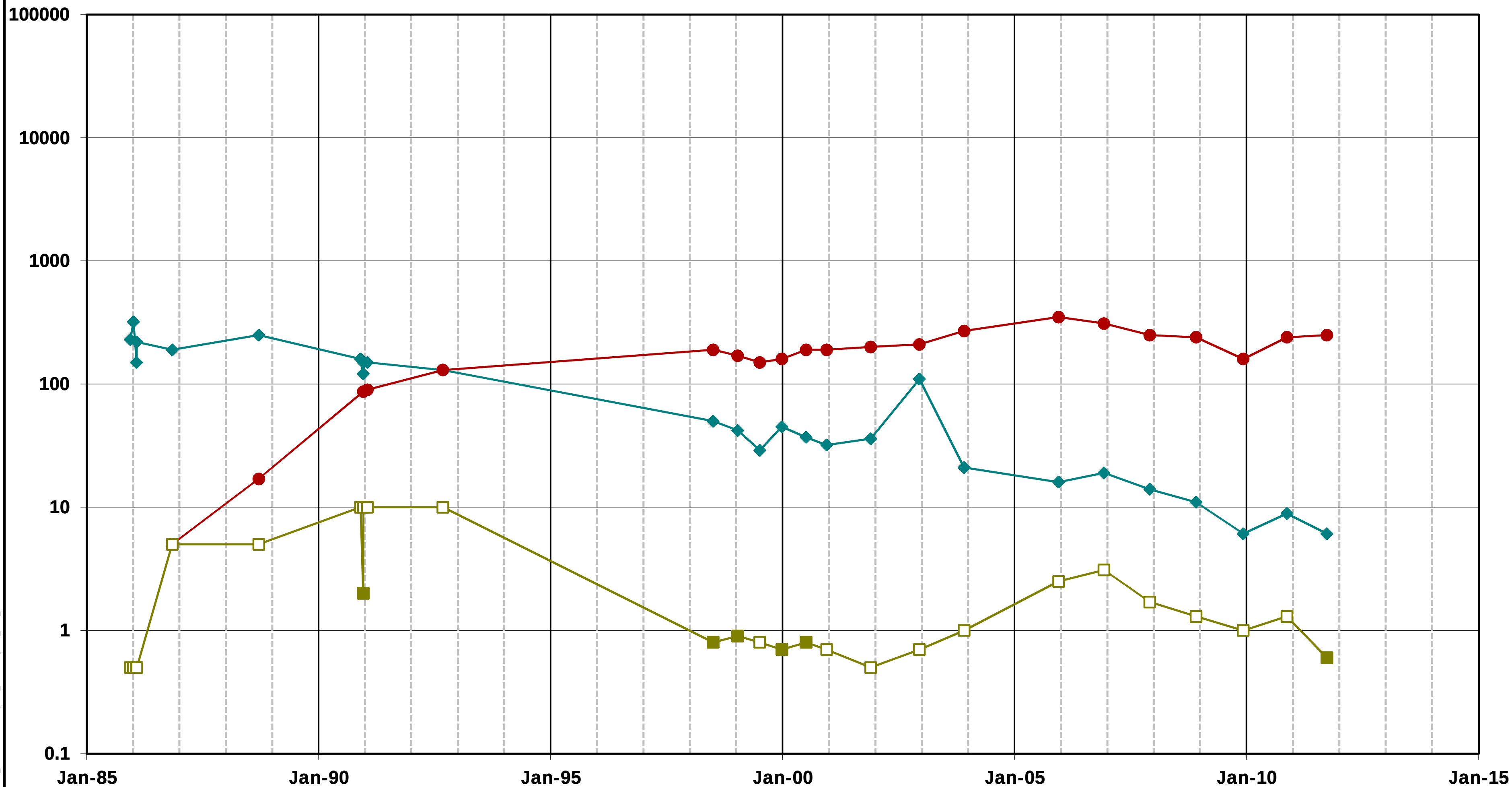
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 74A
MEW Regional Annual Report

Geosyntec consultants

Figure
D-4

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

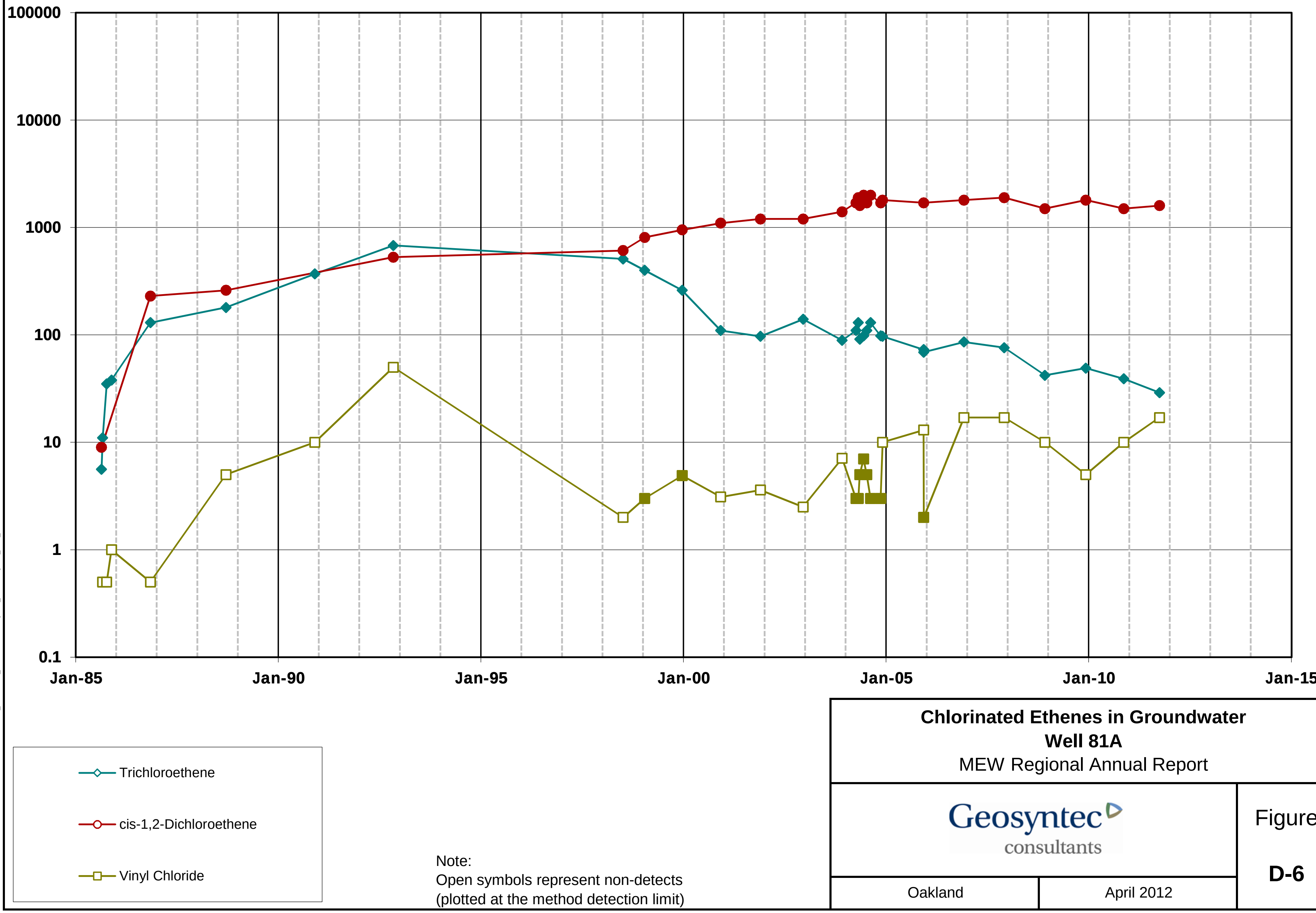
Chlorinated Ethenes in Groundwater
Well 75A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-5**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[75A_VOC.xls]Plot_75A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

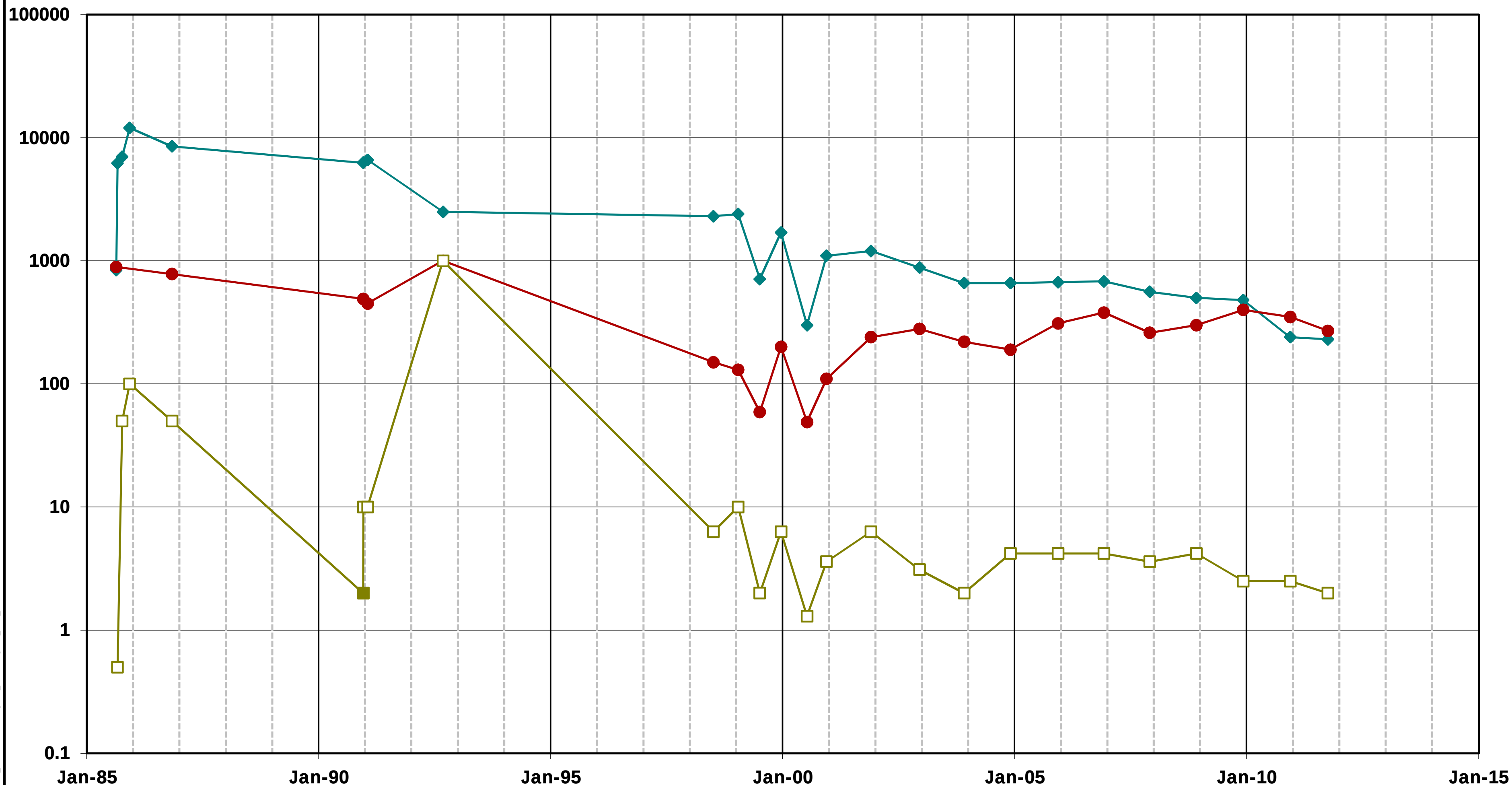
Chlorinated Ethenes in Groundwater
Well 81A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-6**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[81A_VOC.xls]Plot_81A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

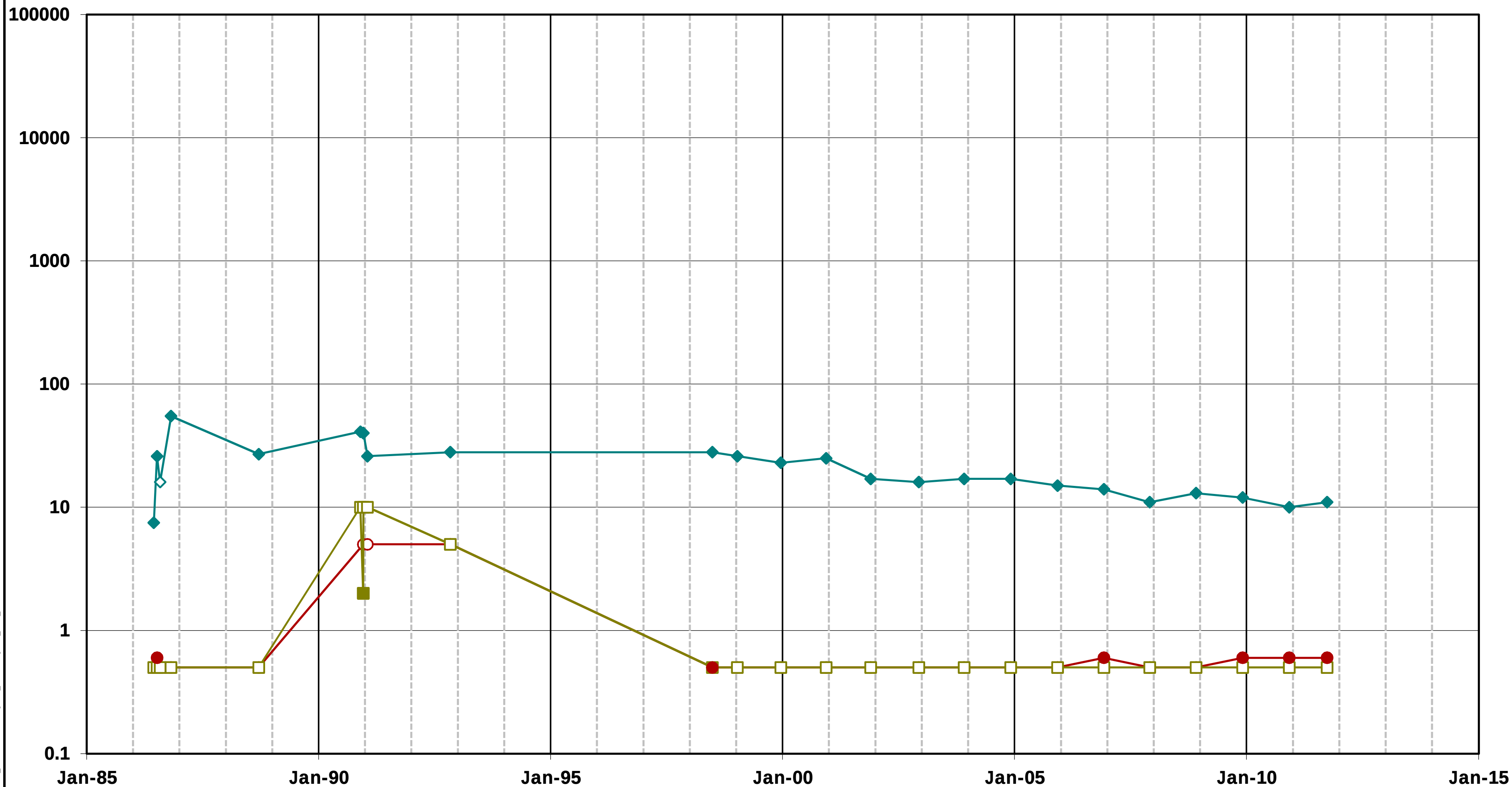
Chlorinated Ethenes in Groundwater
Well 82A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-7**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[82A_VOC.xls]Plot_82A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

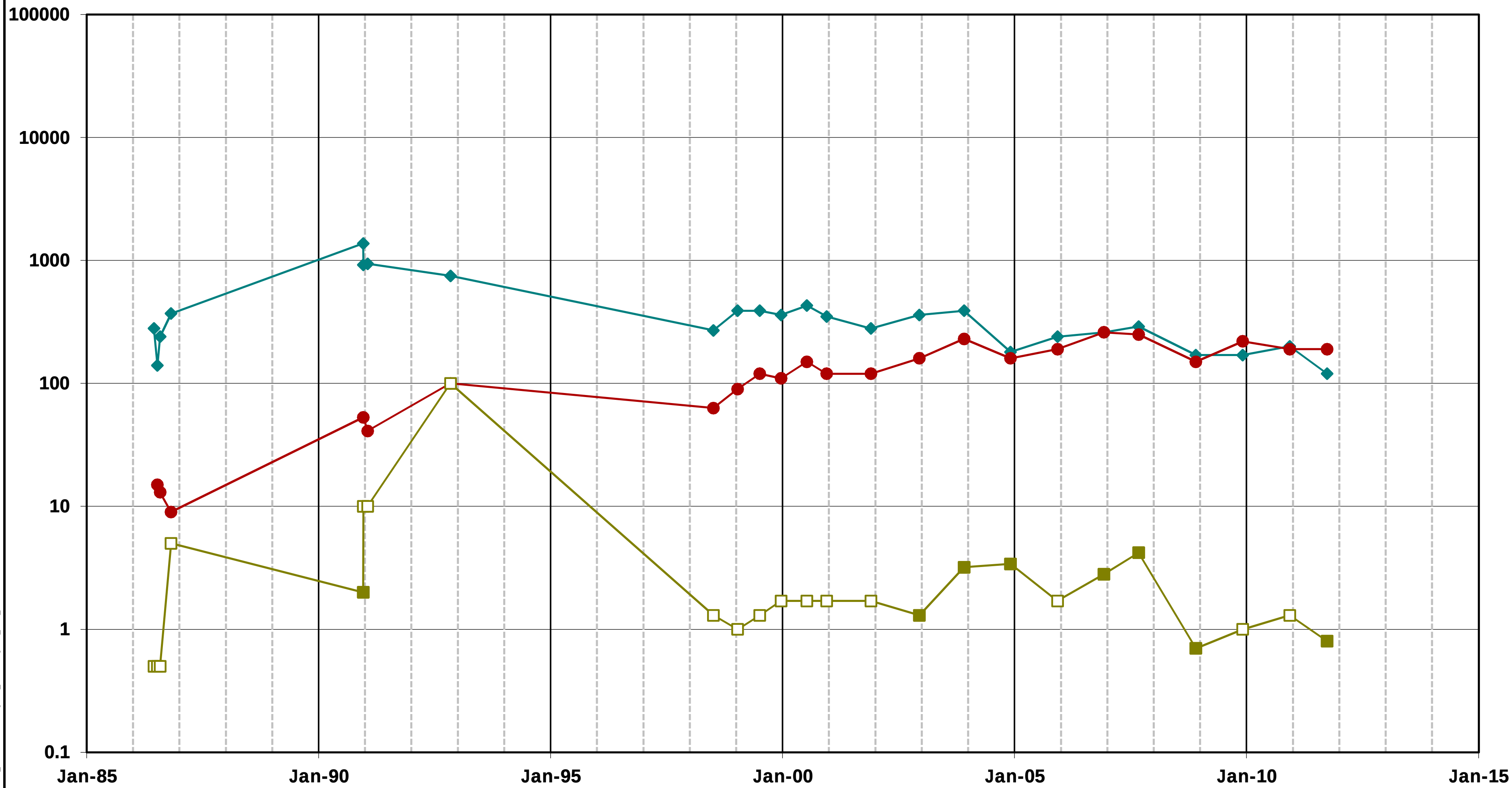
Chlorinated Ethenes in Groundwater
Well 88A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-8**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[88A_VOC.xls]Plot_88A_VOC



Trichloroethene
cis-1,2-Dichloroethene
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

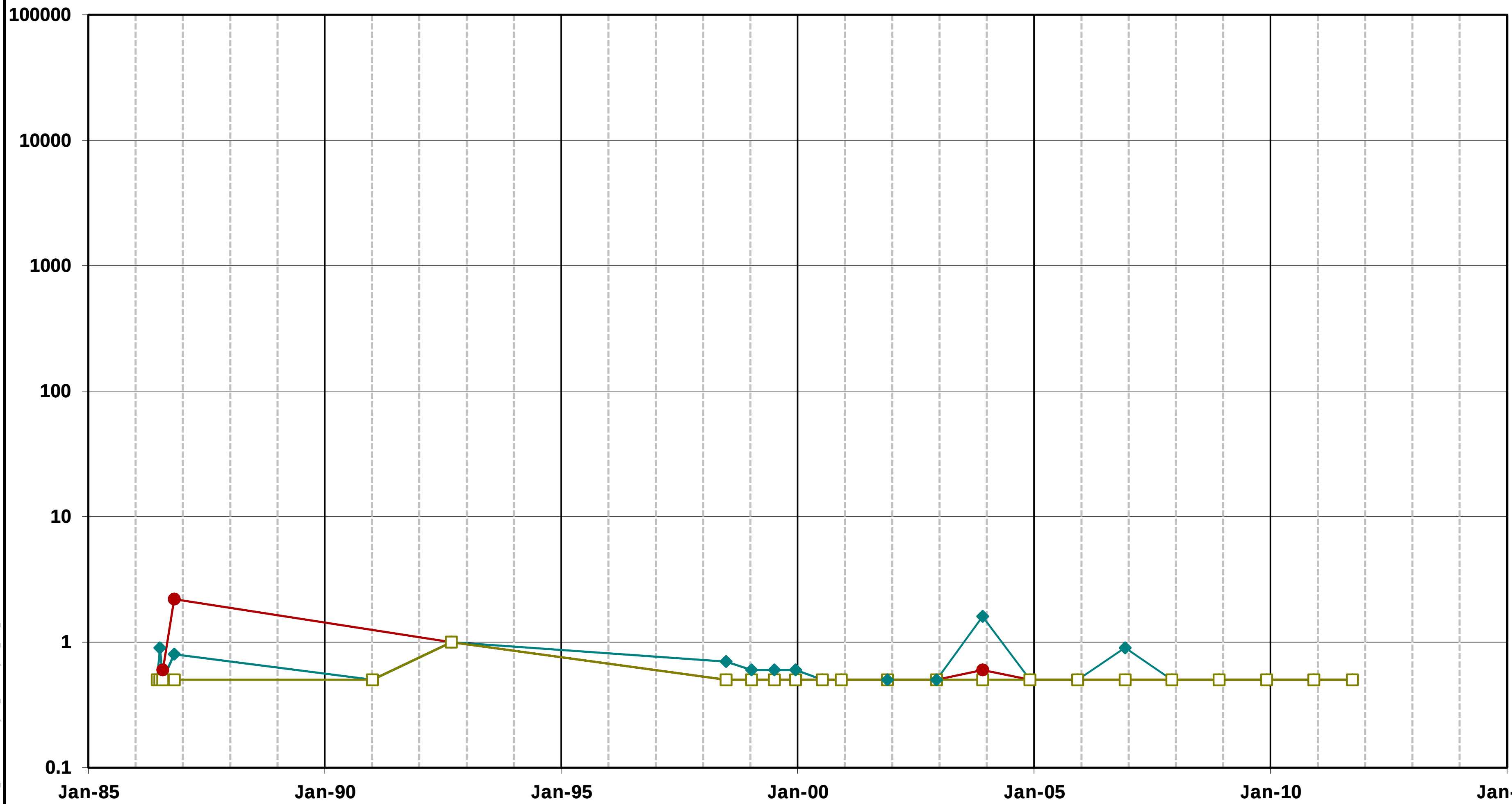
Chlorinated Ethenes in Groundwater
Well 89A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-9**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[89A_VOC.xls]Plot_89A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

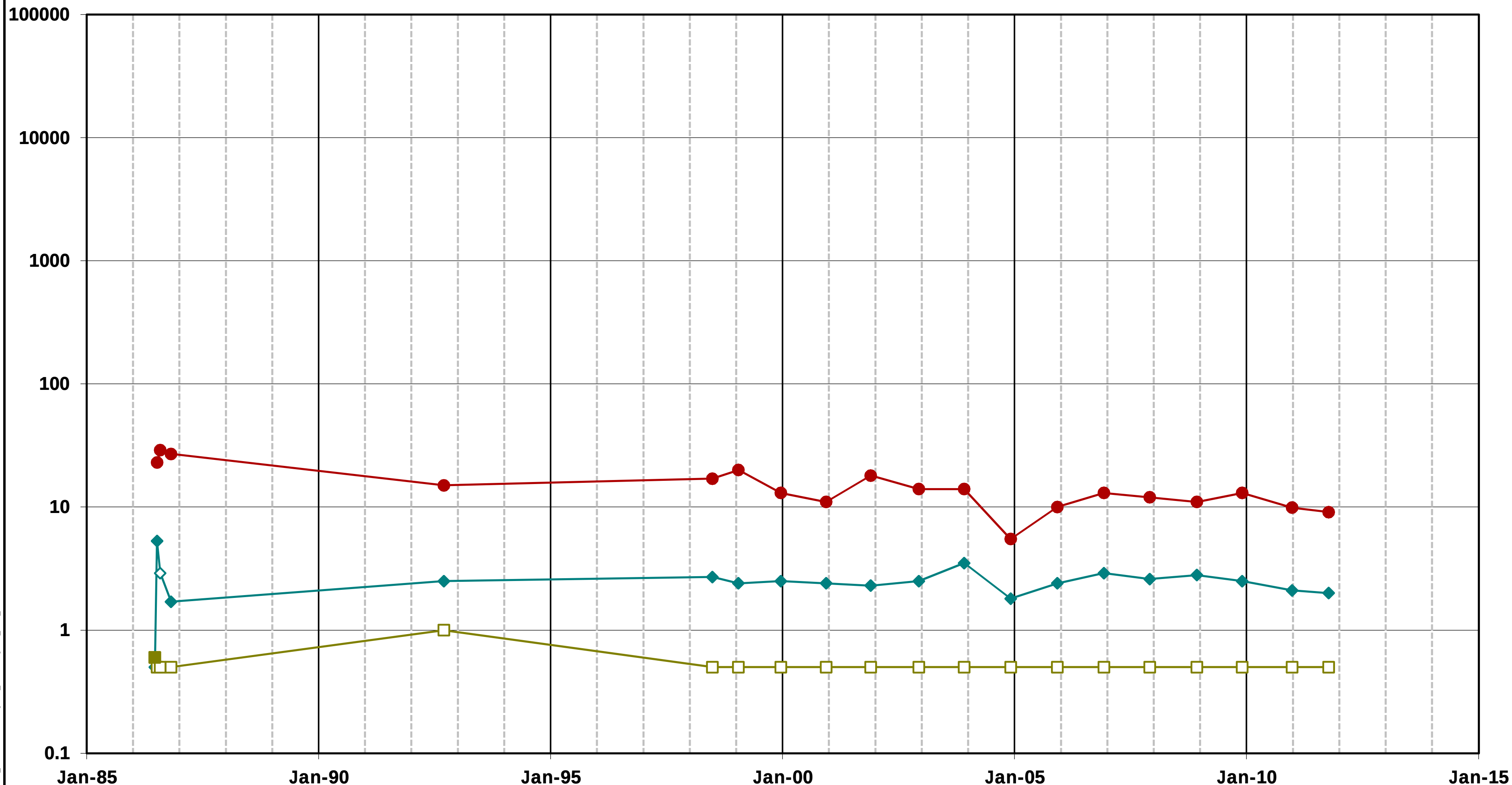
Chlorinated Ethenes in Groundwater
Well 92A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-10**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[92A_VOC.xls]Plot_92A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

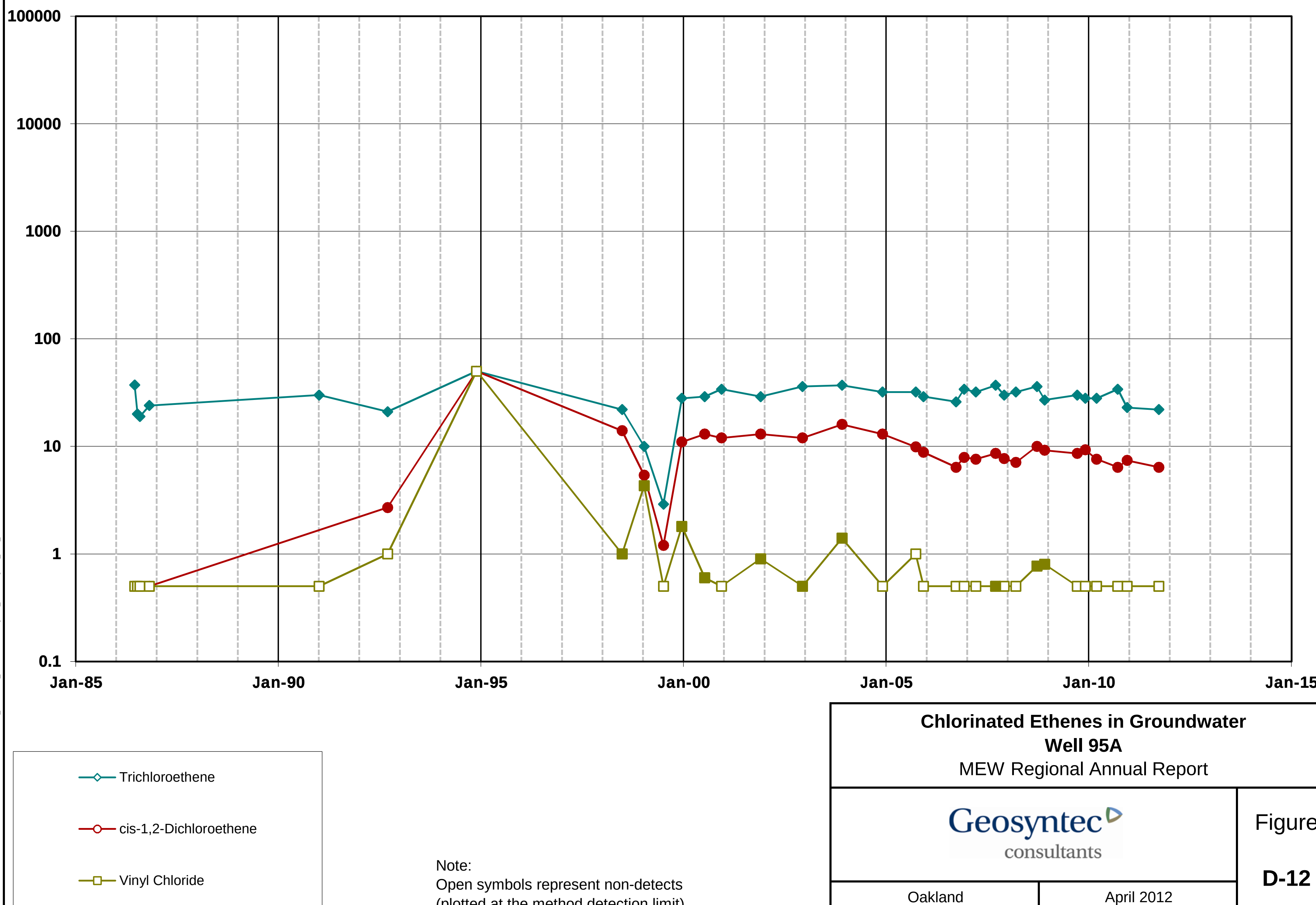
Chlorinated Ethenes in Groundwater
Well 93A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-11**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[93A_VOC.xls]Plot_93A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

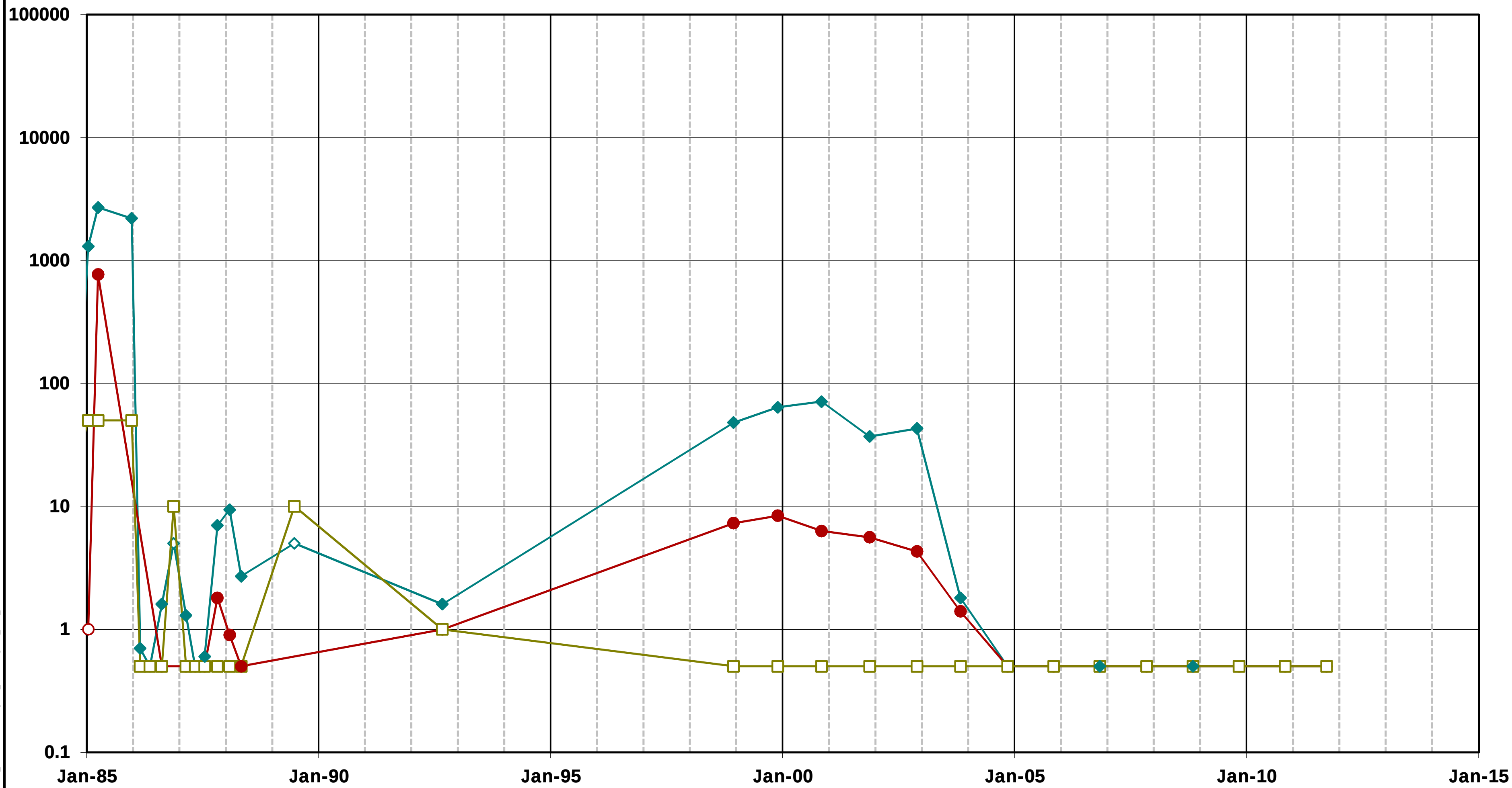
Chlorinated Ethenes in Groundwater
Well 95A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-12**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[95A_VOC.xls]Plot_95A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

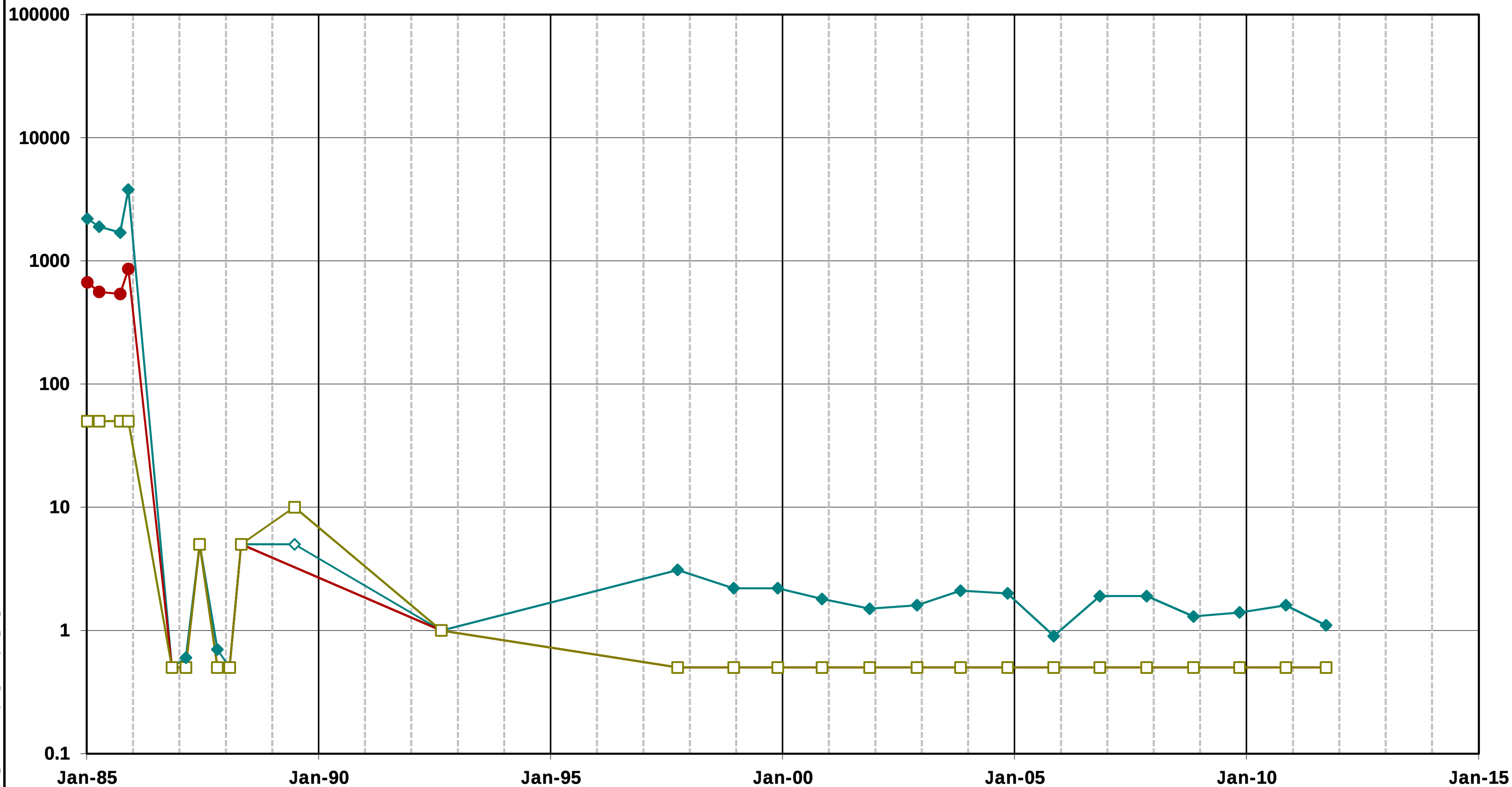
Chlorinated Ethenes in Groundwater
Well 26A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-13**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[26A_VOC.xls]Plot_26A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

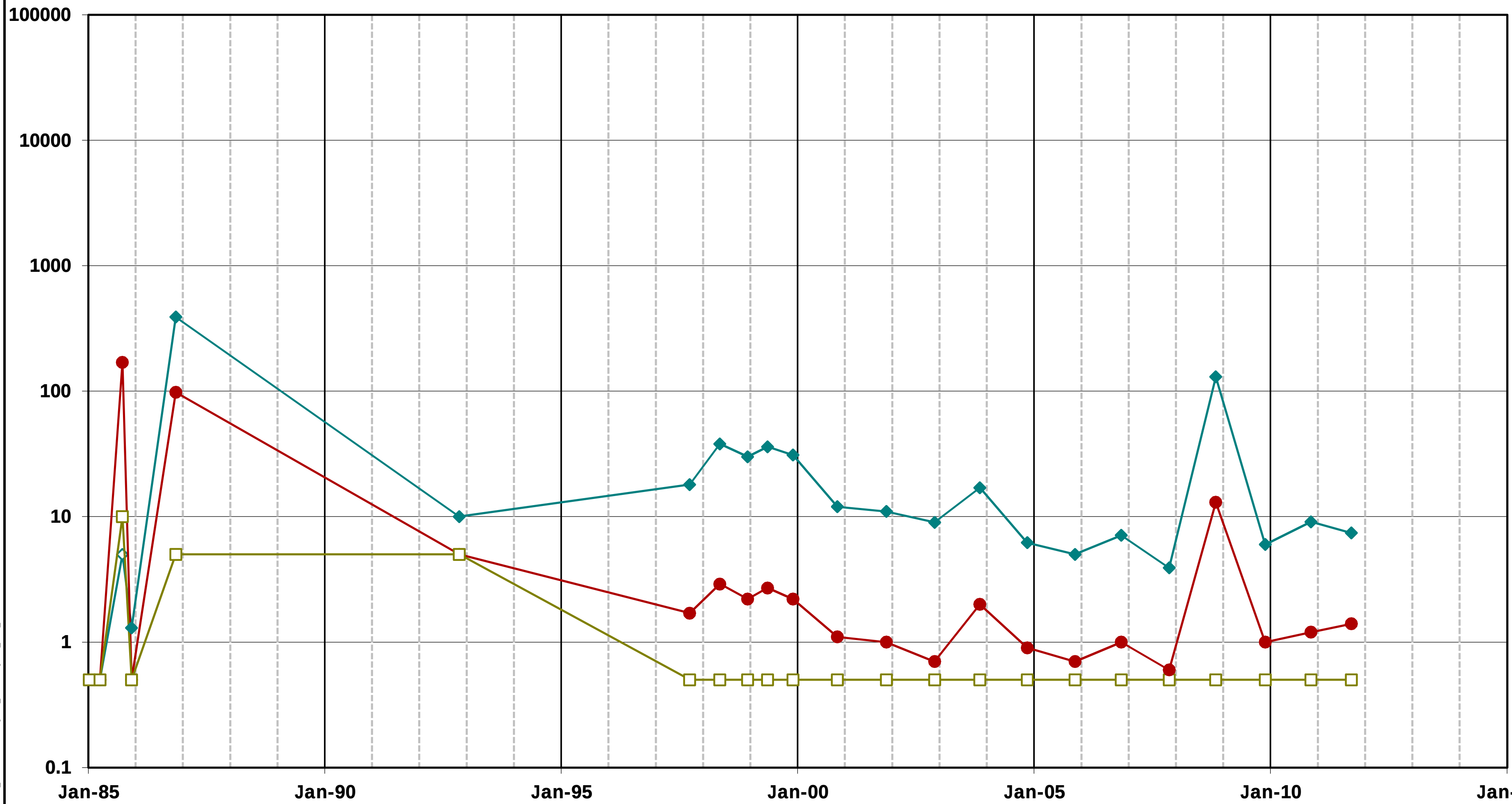
Chlorinated Ethenes in Groundwater
Well 29A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-14**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[29A_VOC.xls]Plot_29A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

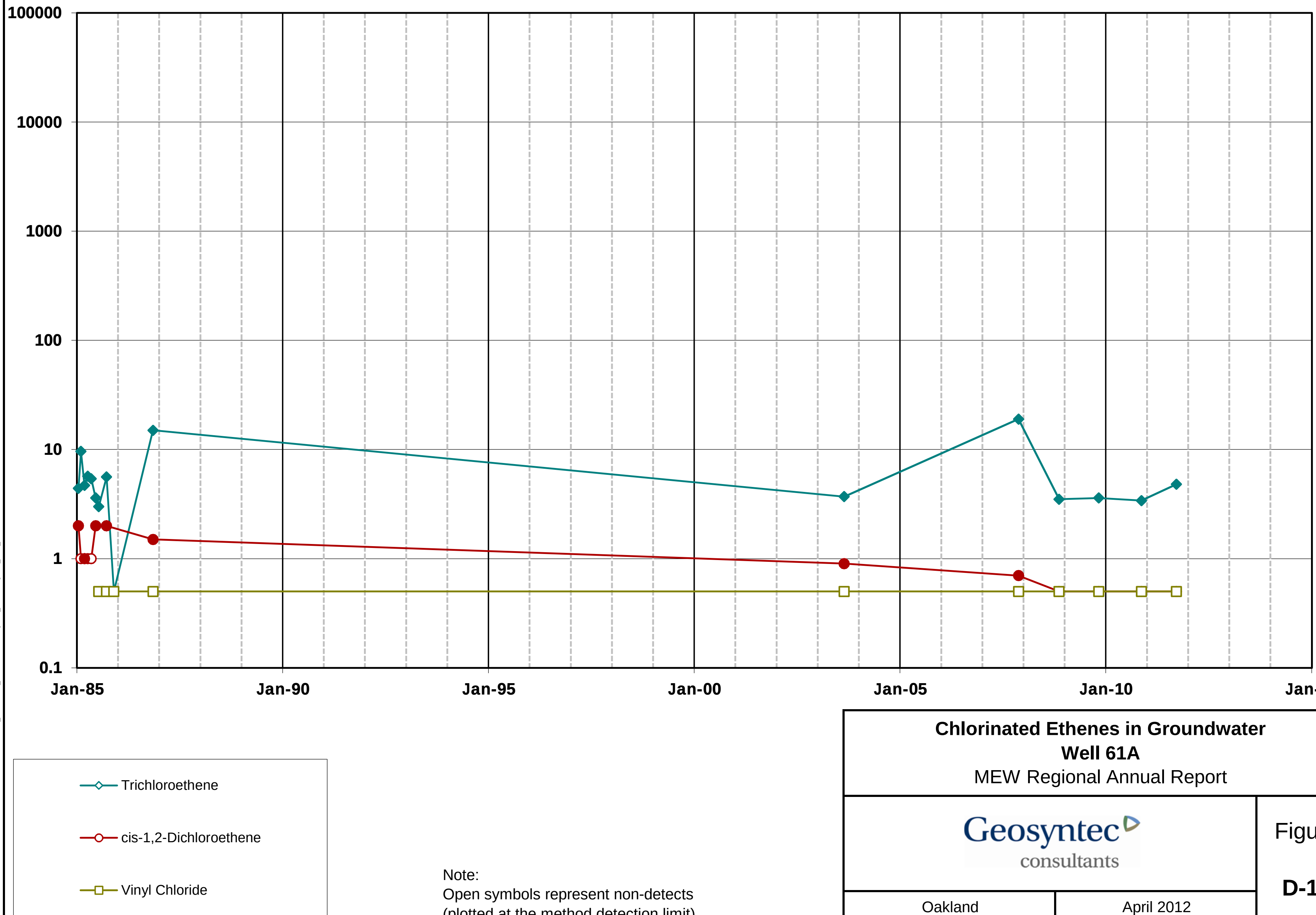
Chlorinated Ethenes in Groundwater
Well 45A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-15**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[45A_VOC.xls]Plot_45A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

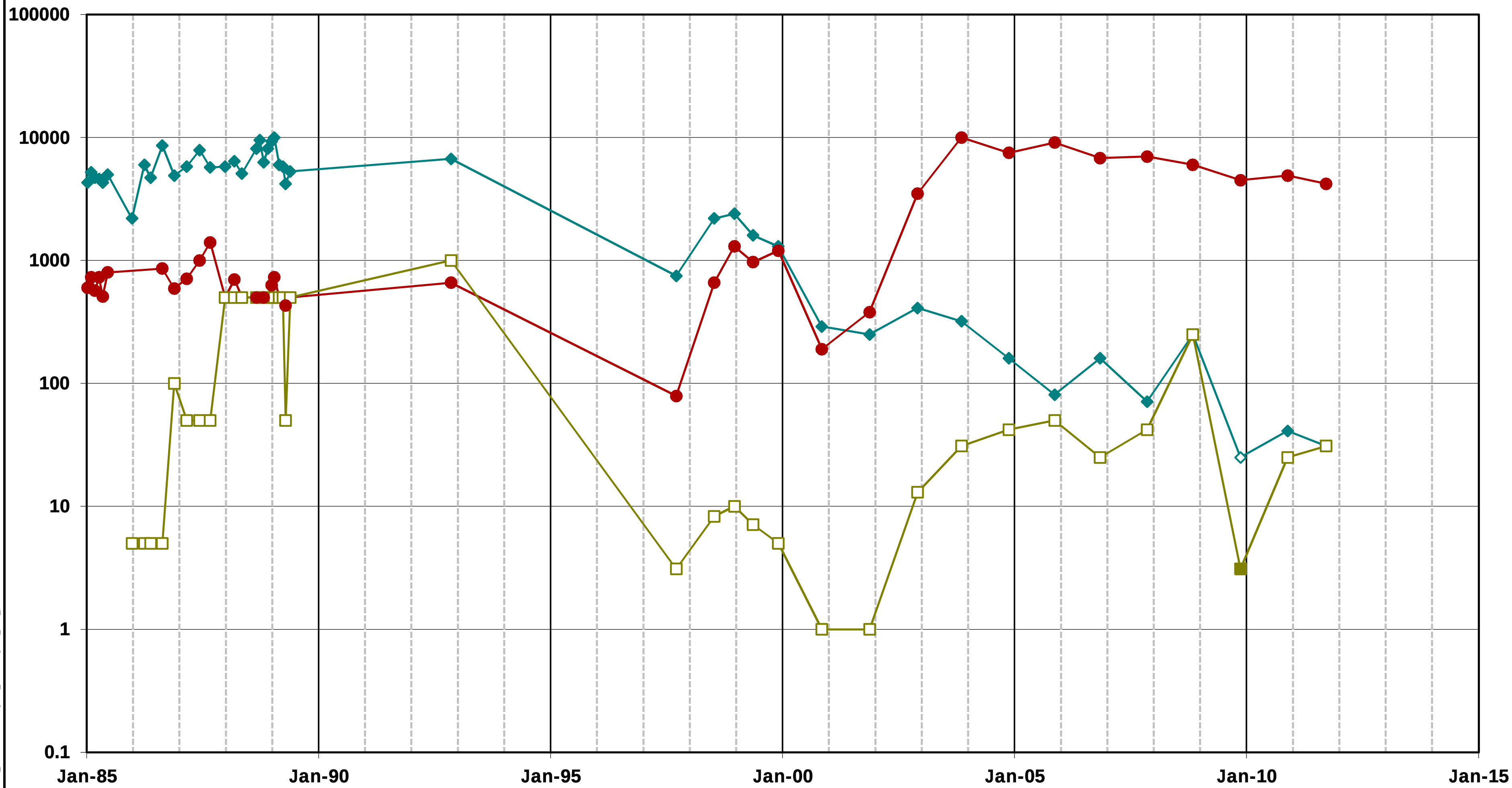
Chlorinated Ethenes in Groundwater
Well 61A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-16**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[61A_VOC.xls]Plot_61A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 62A
MEW Regional Annual Report

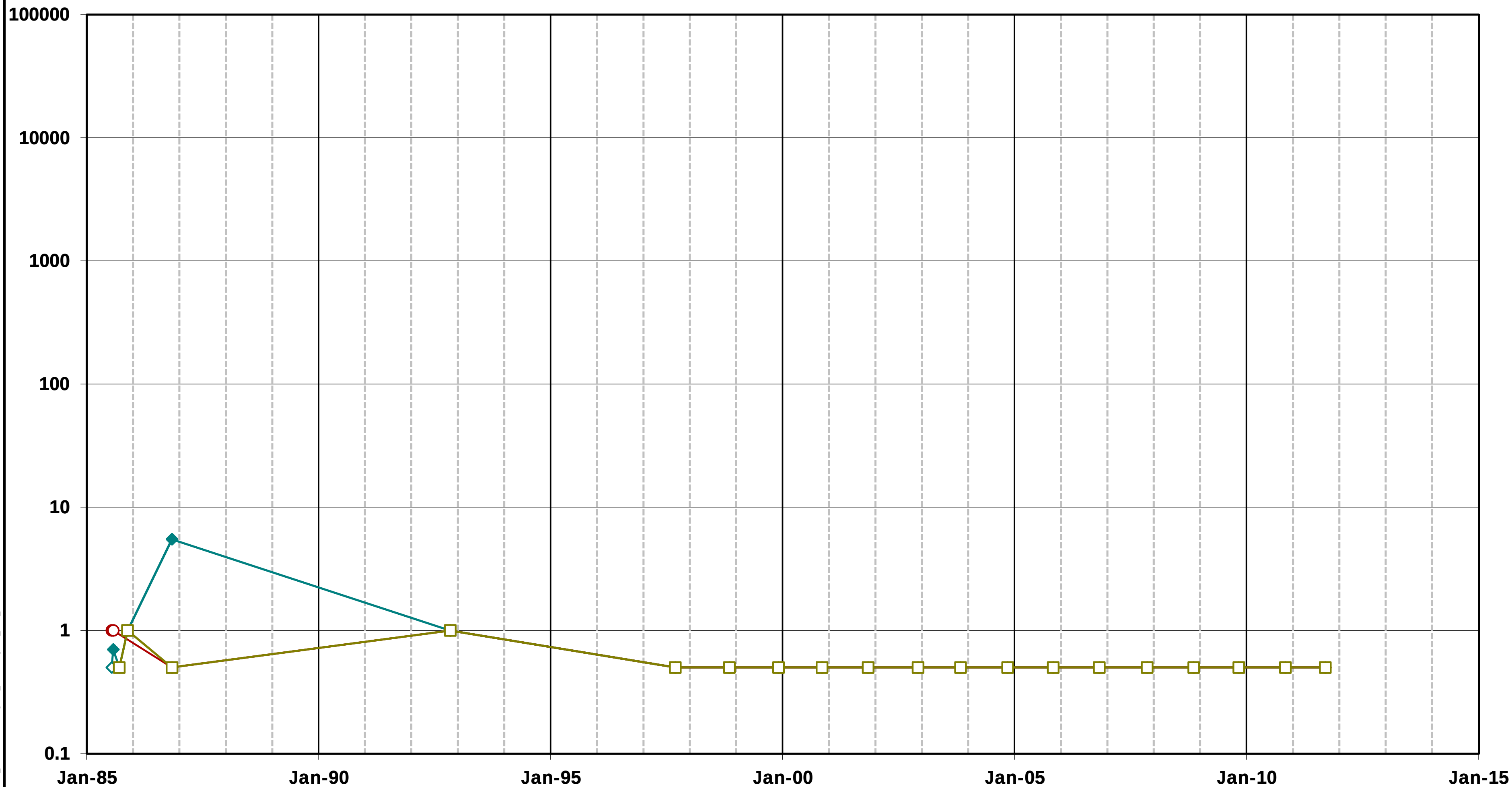
Geosyntec consultants

Oakland	April 2012

Figure

D-17

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[62A_VOC.xls]Plot_62A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

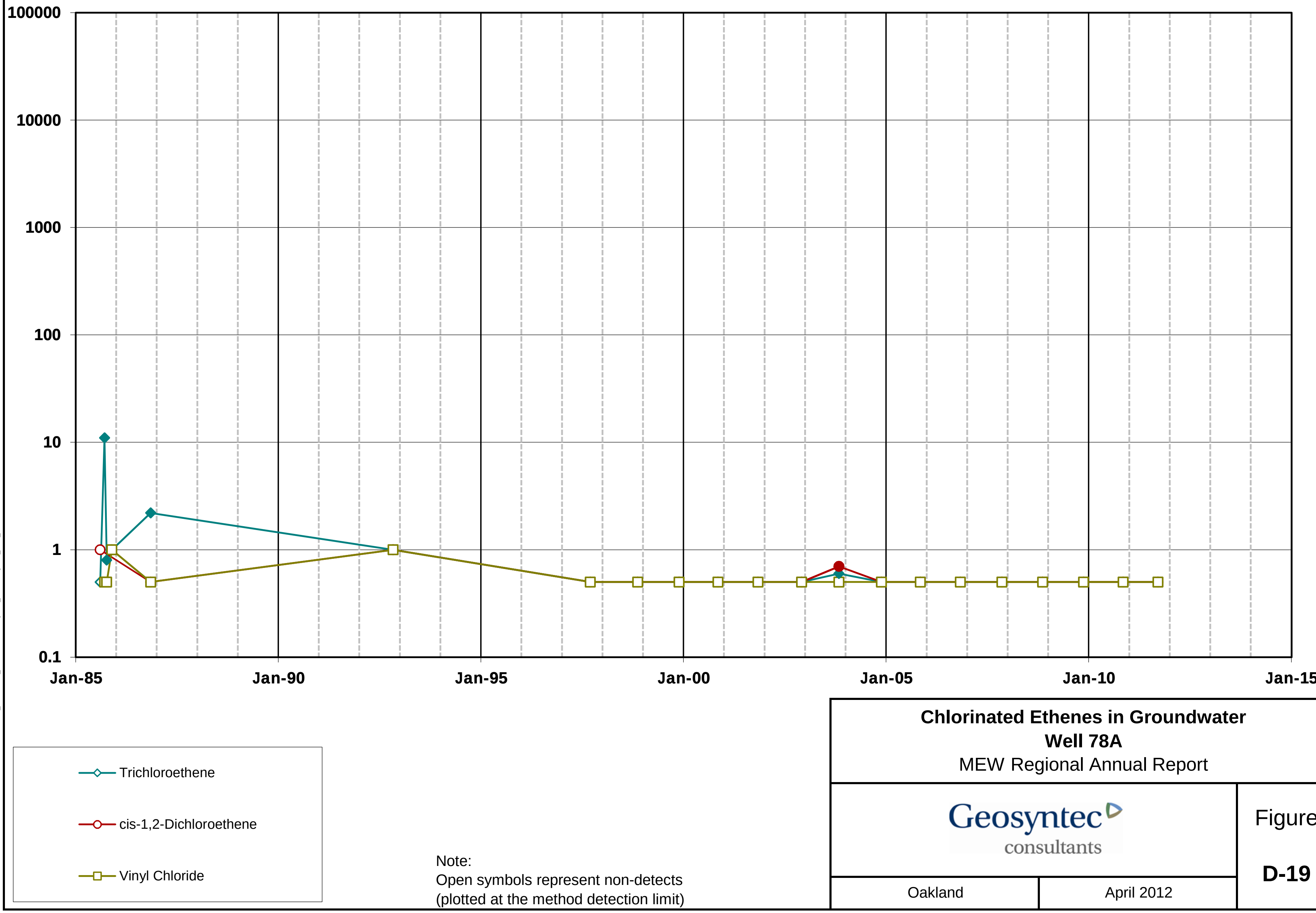
Chlorinated Ethenes in Groundwater
Well 77A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-18**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[77A_VOC.xls]Plot_77A_VOC



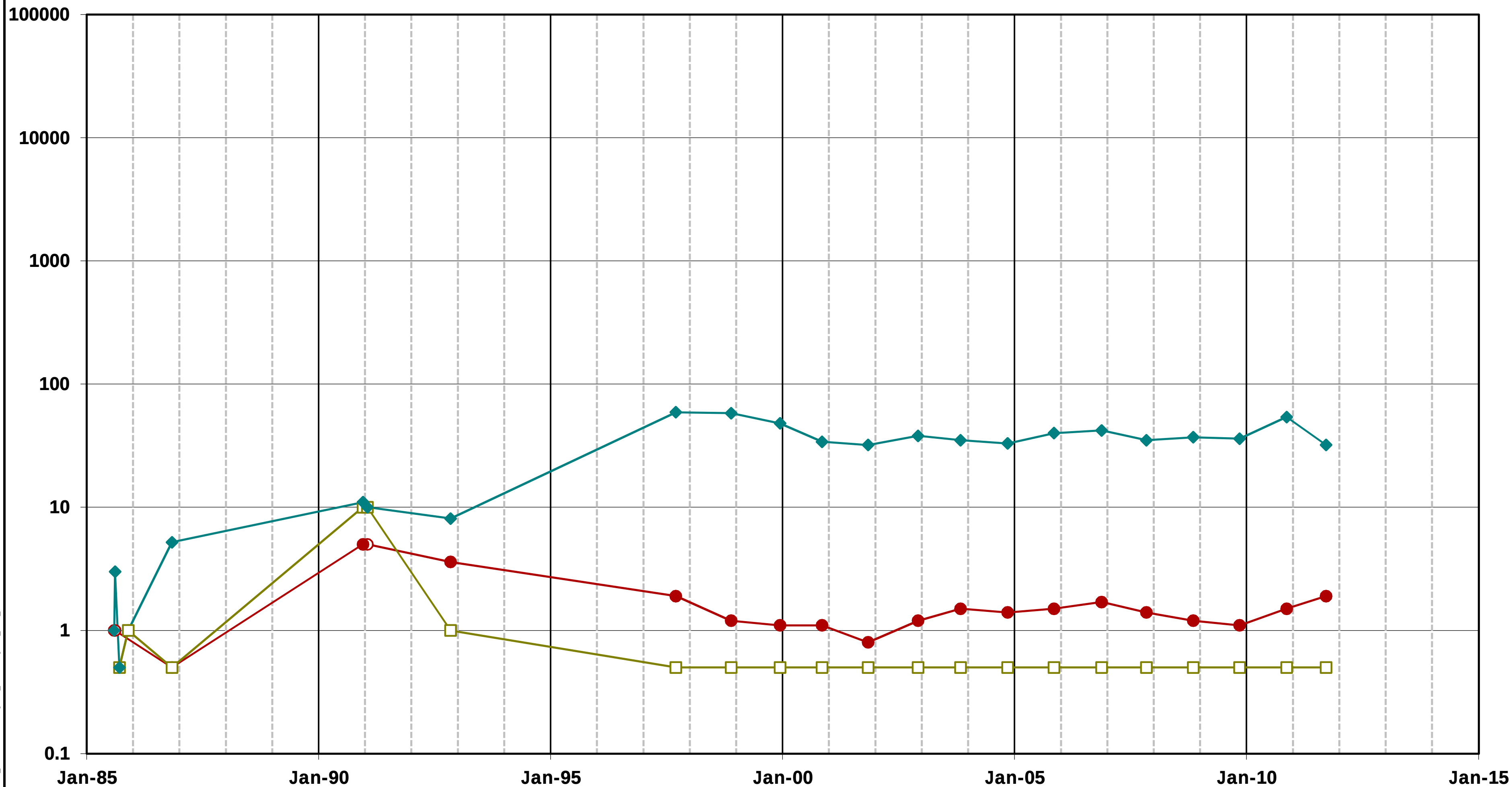
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 78A
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-19**

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[78A_VOC.xls]Plot_78A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

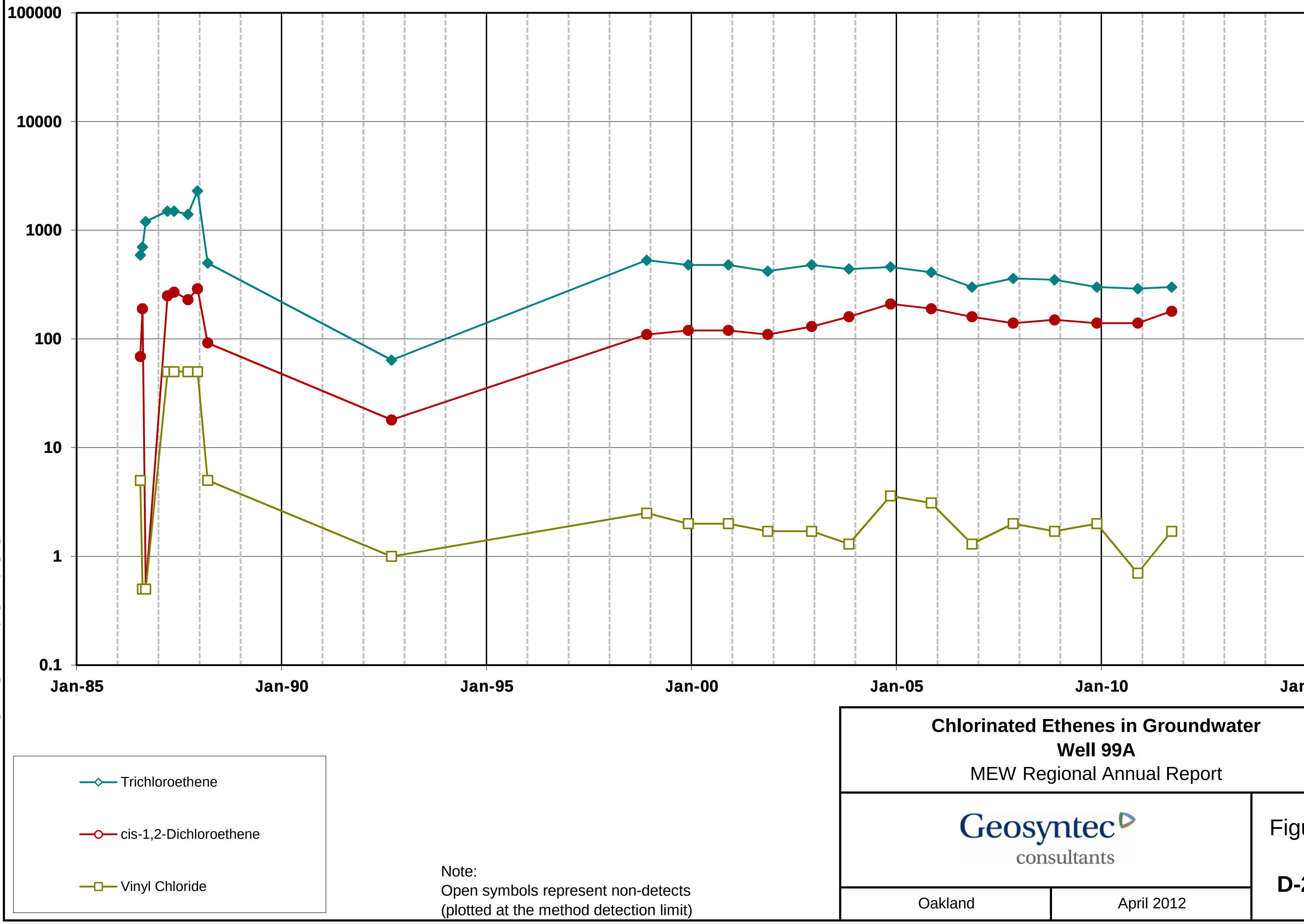
Chlorinated Ethenes in Groundwater
Well 79A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-20**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[79A_VOC.xls]Plot_79A_VOC



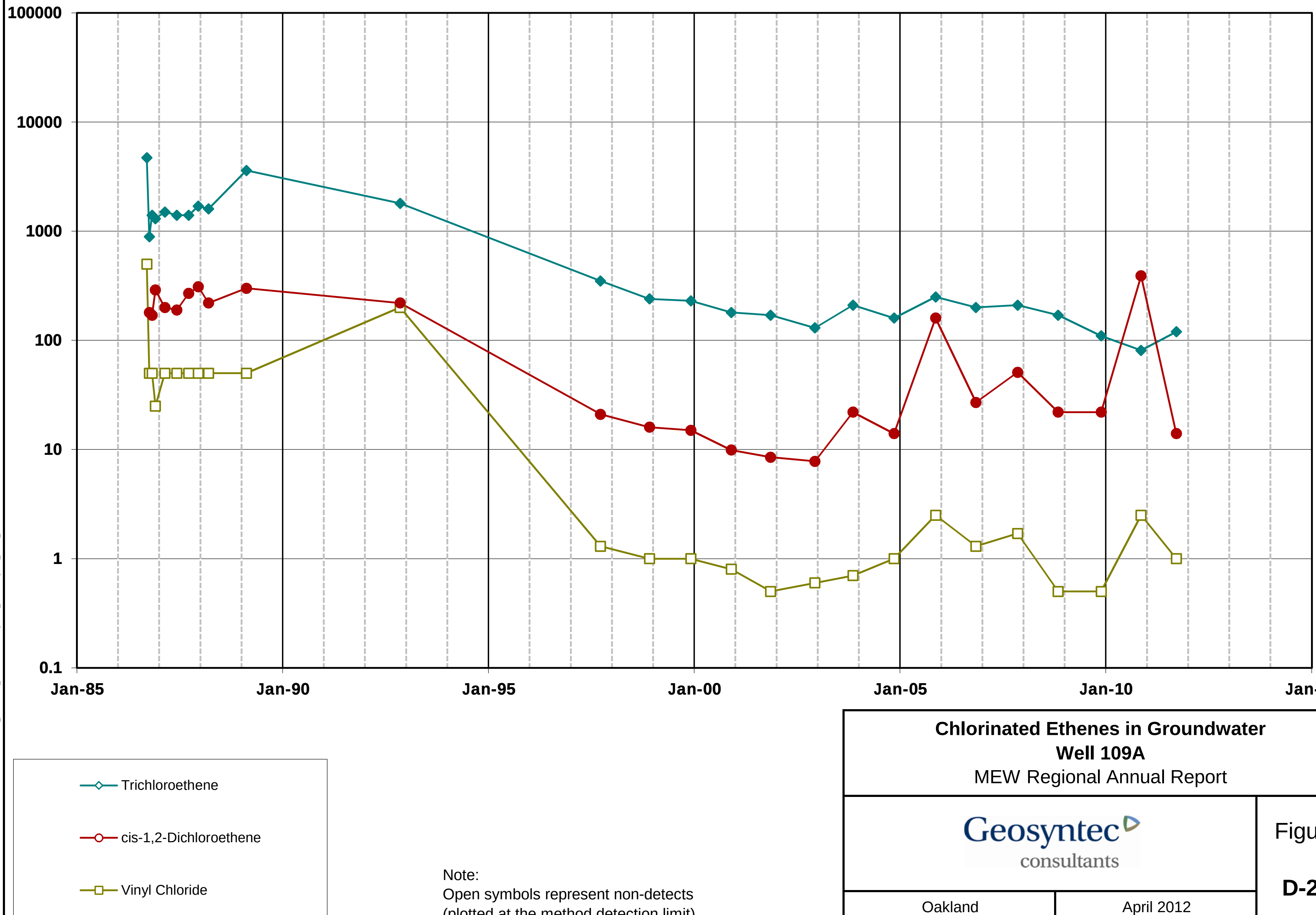
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[99A_VOC.xls]Plot_99A_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 99A
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-21**



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

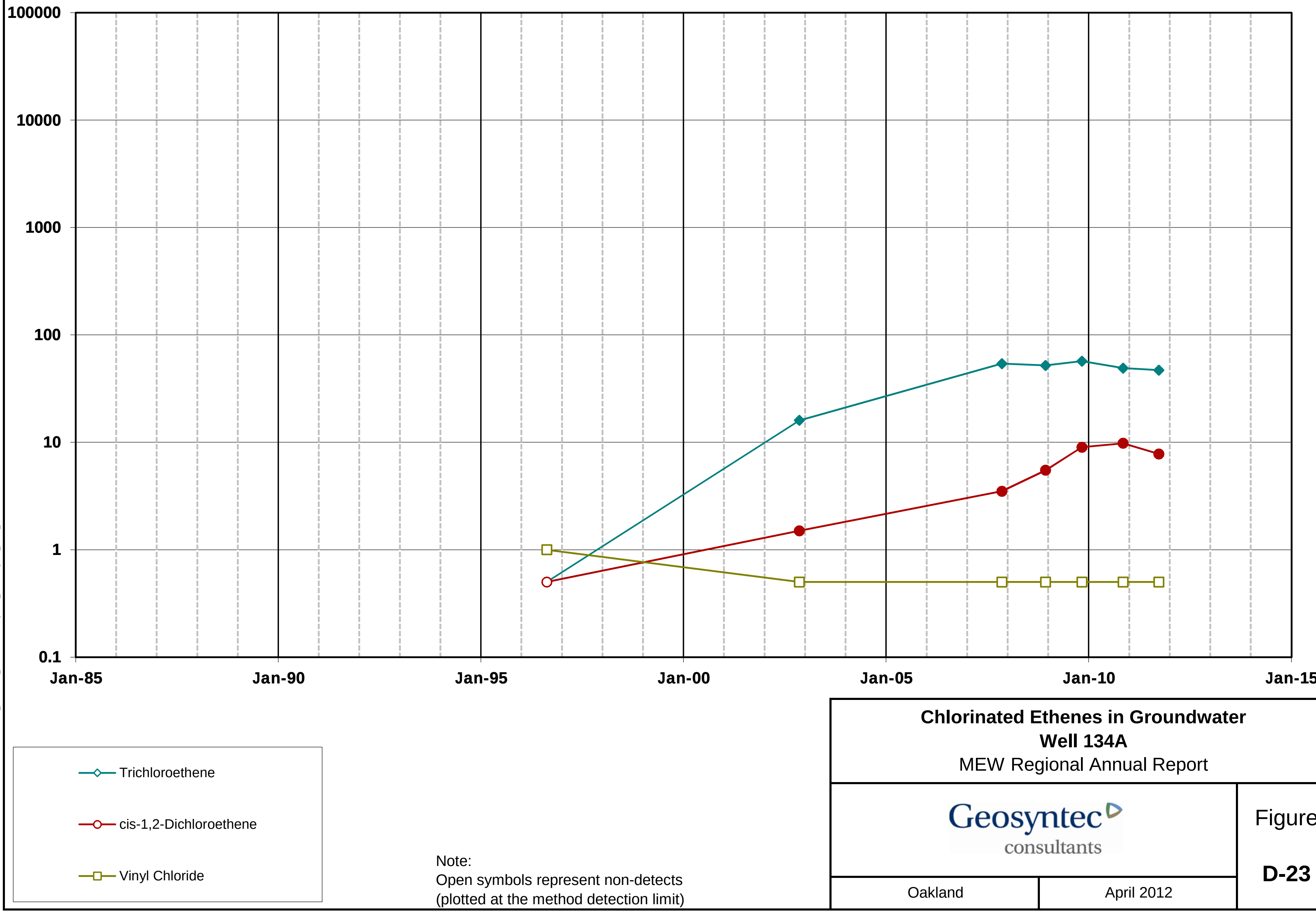
Chlorinated Ethenes in Groundwater
Well 109A
MEW Regional Annual Report

Geosyntec consultants

Figure
D-22

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[109A_VOC.xls]Plot_109A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

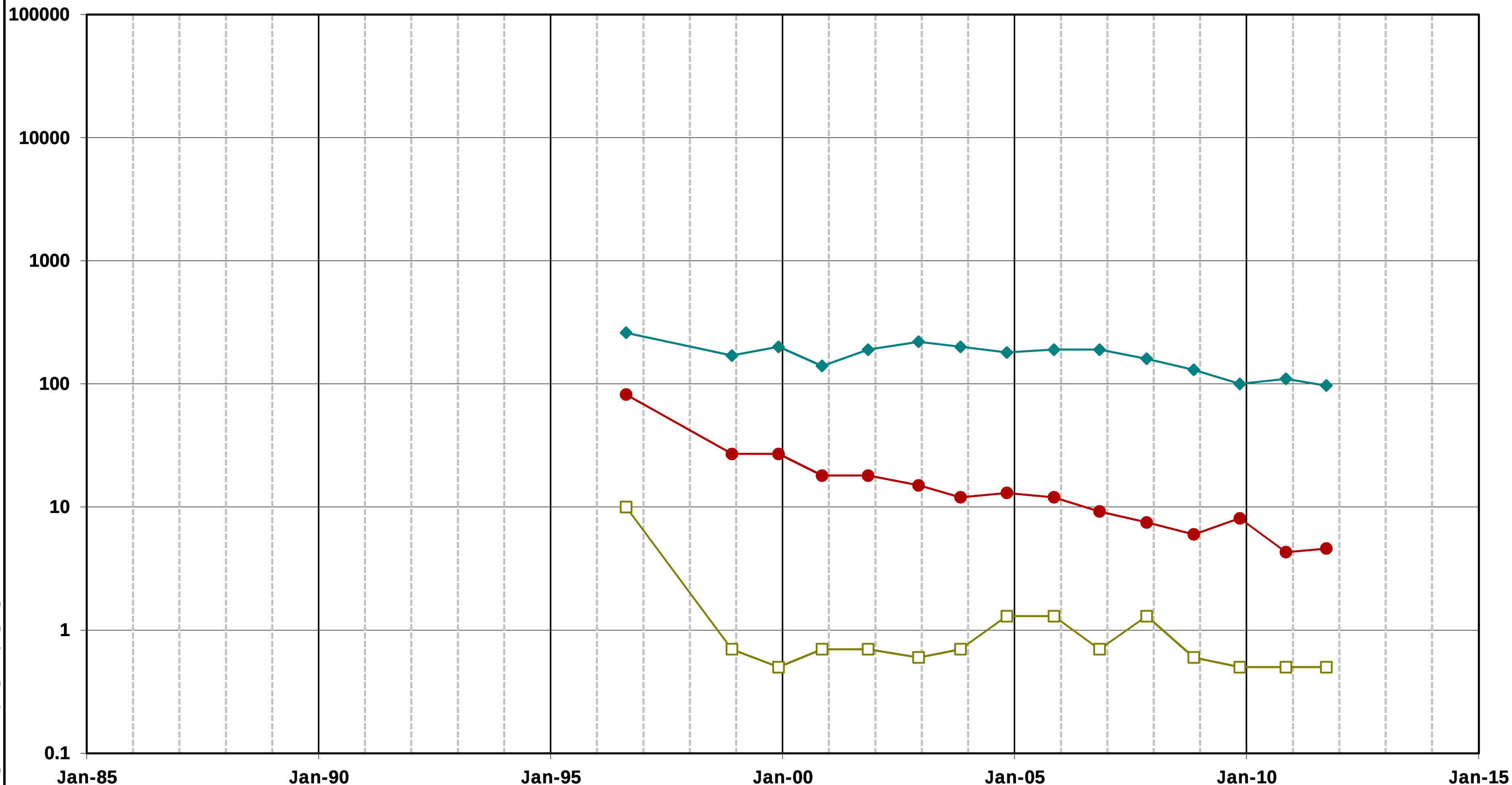
Chlorinated Ethenes in Groundwater
Well 134A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-23**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[134A_VOC.xls]Plot_134A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

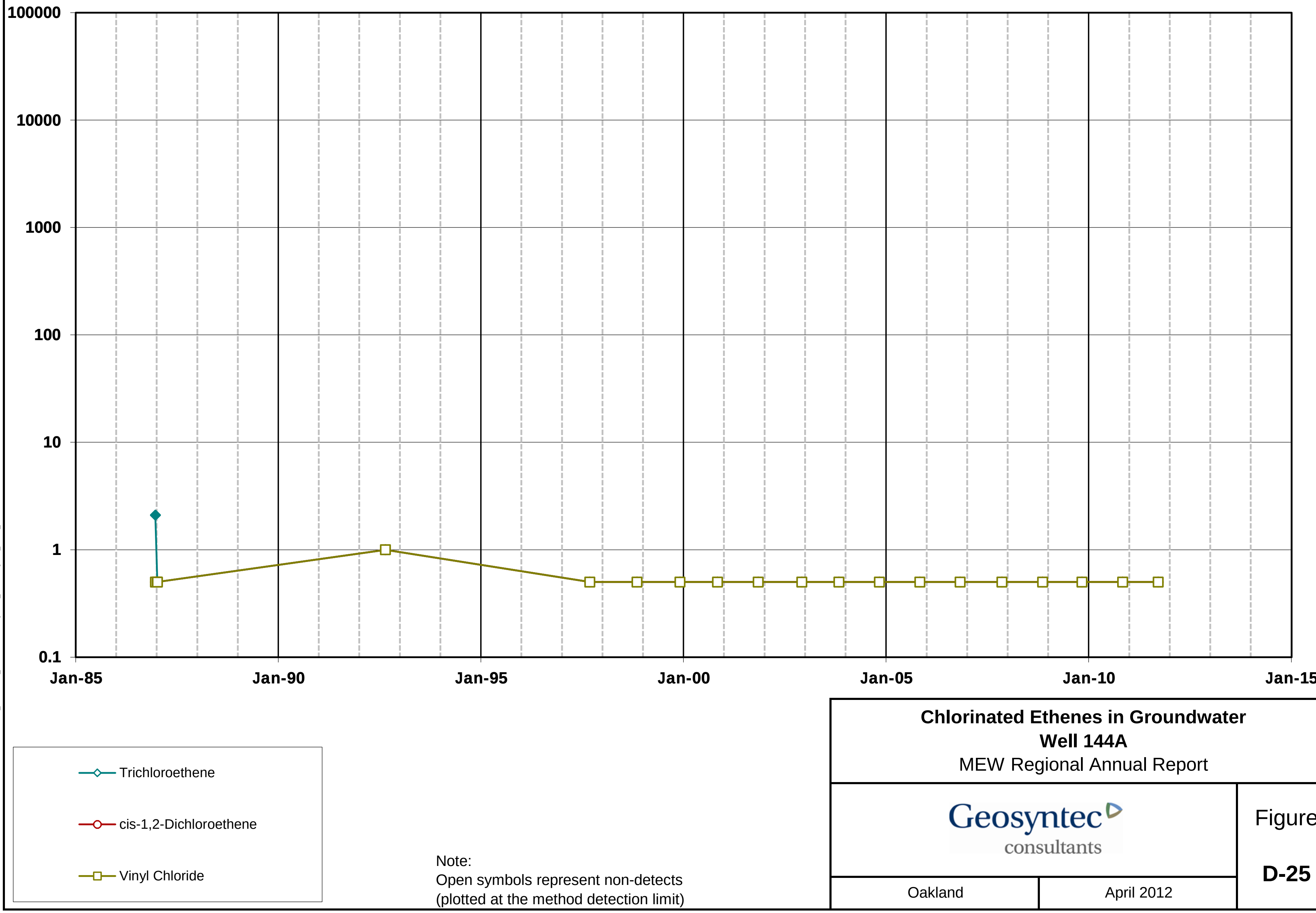
Chlorinated Ethenes in Groundwater
Well 142A
MEW Regional Annual Report

Geosyntec consultants

Figure
D-24

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[142A_VOC.xls]Plot_142A_VOC

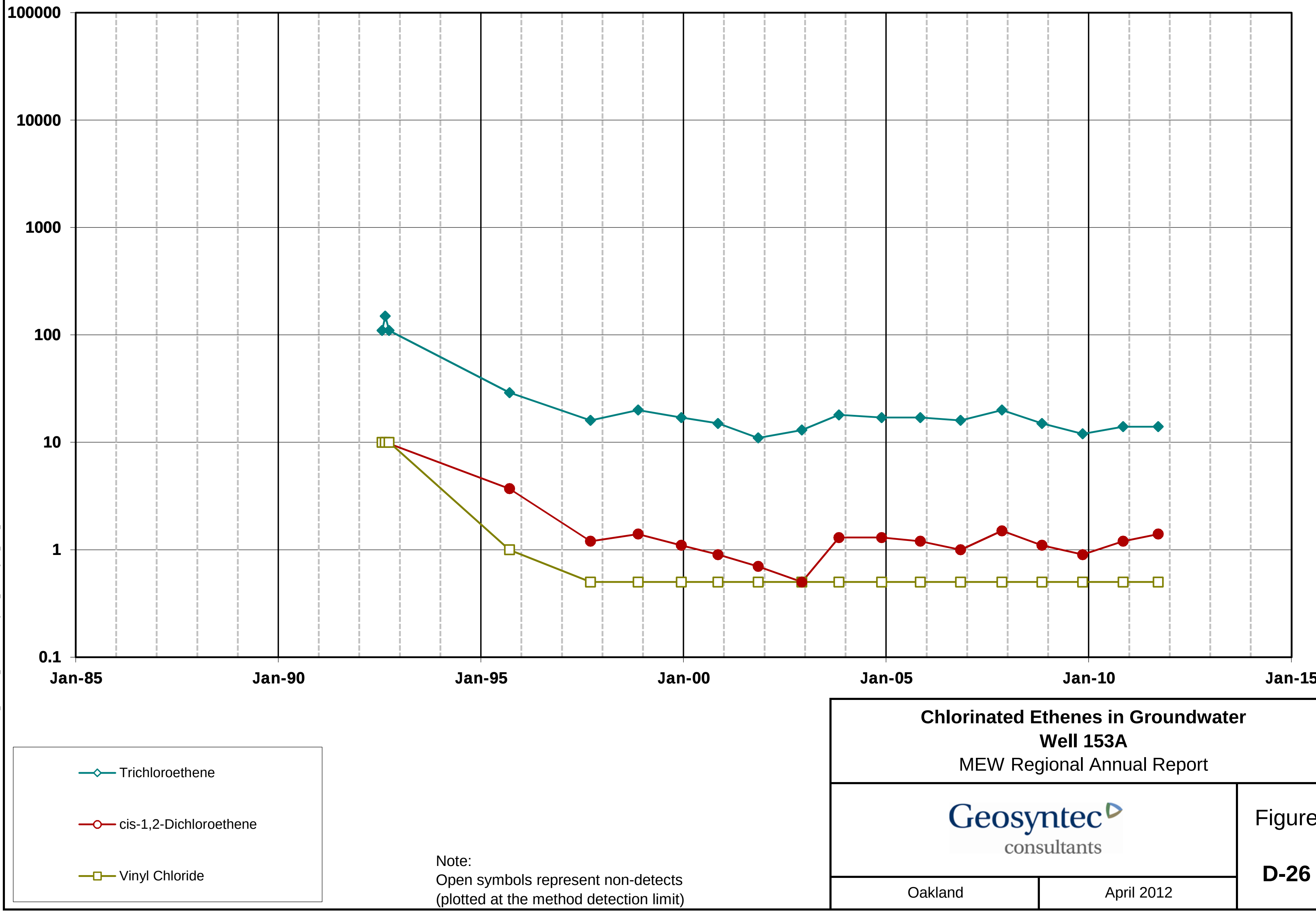


Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 144A
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-25**



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

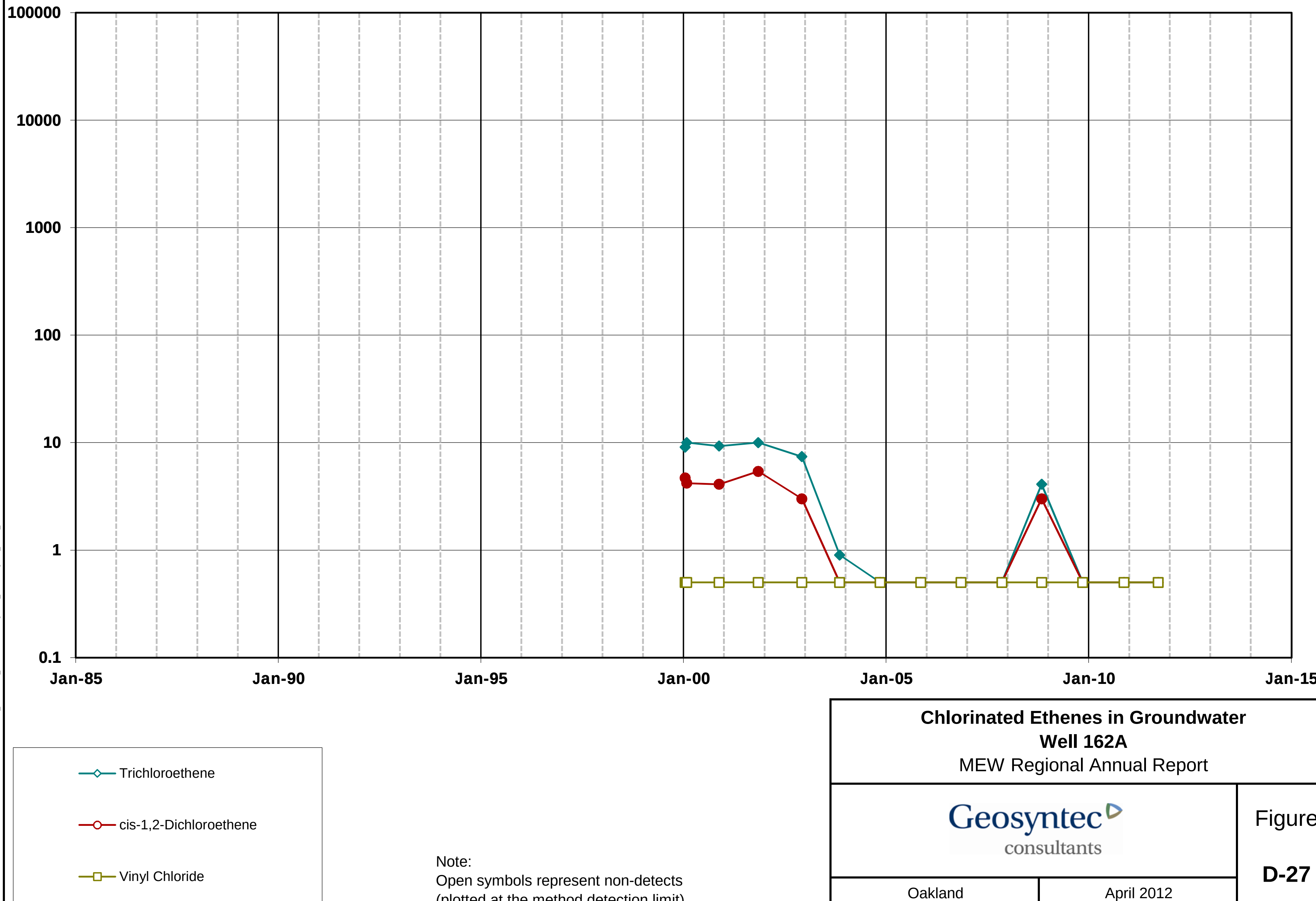
Chlorinated Ethenes in Groundwater
Well 153A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-26**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[153A_VOC.xls]Plot_153A_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[162A_VOC.xls]Plot_162A_VOC

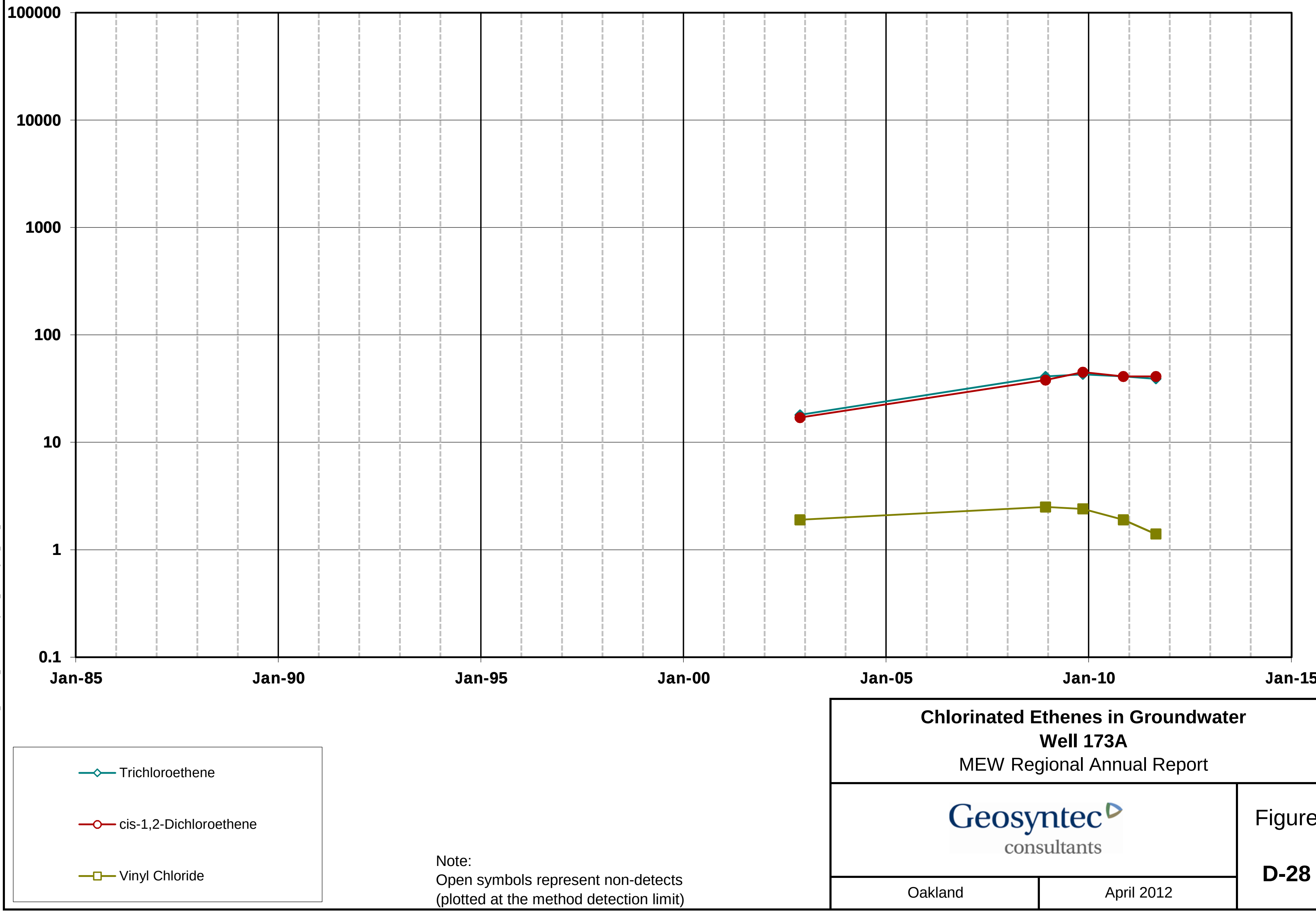
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 162A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-27**

Oakland | April 2012



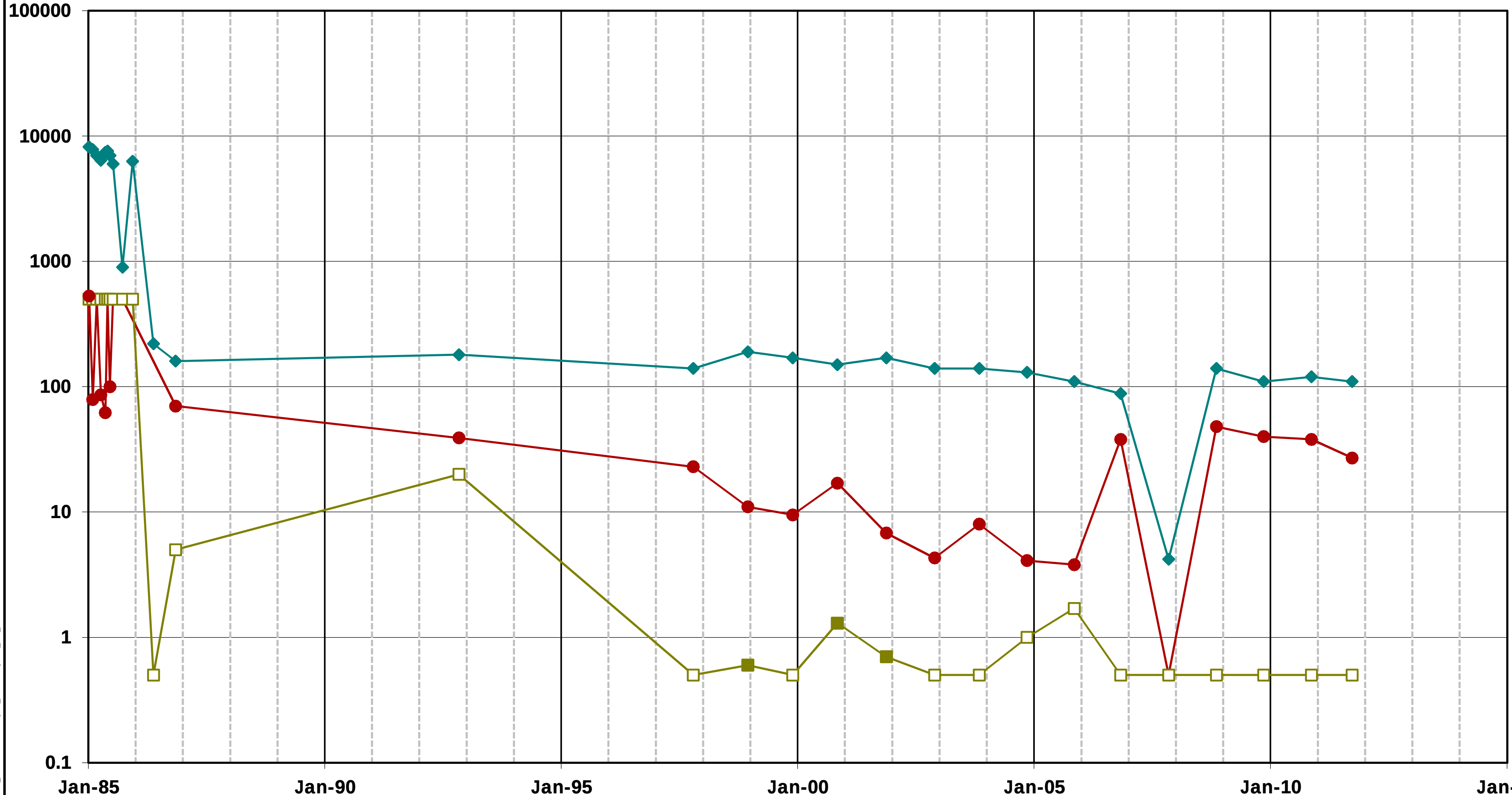
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 173A
MEW Regional Annual Report

Geosyntec consultants

Figure
D-28

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 1A
MEW Regional Annual Report

Geosyntec
consultants

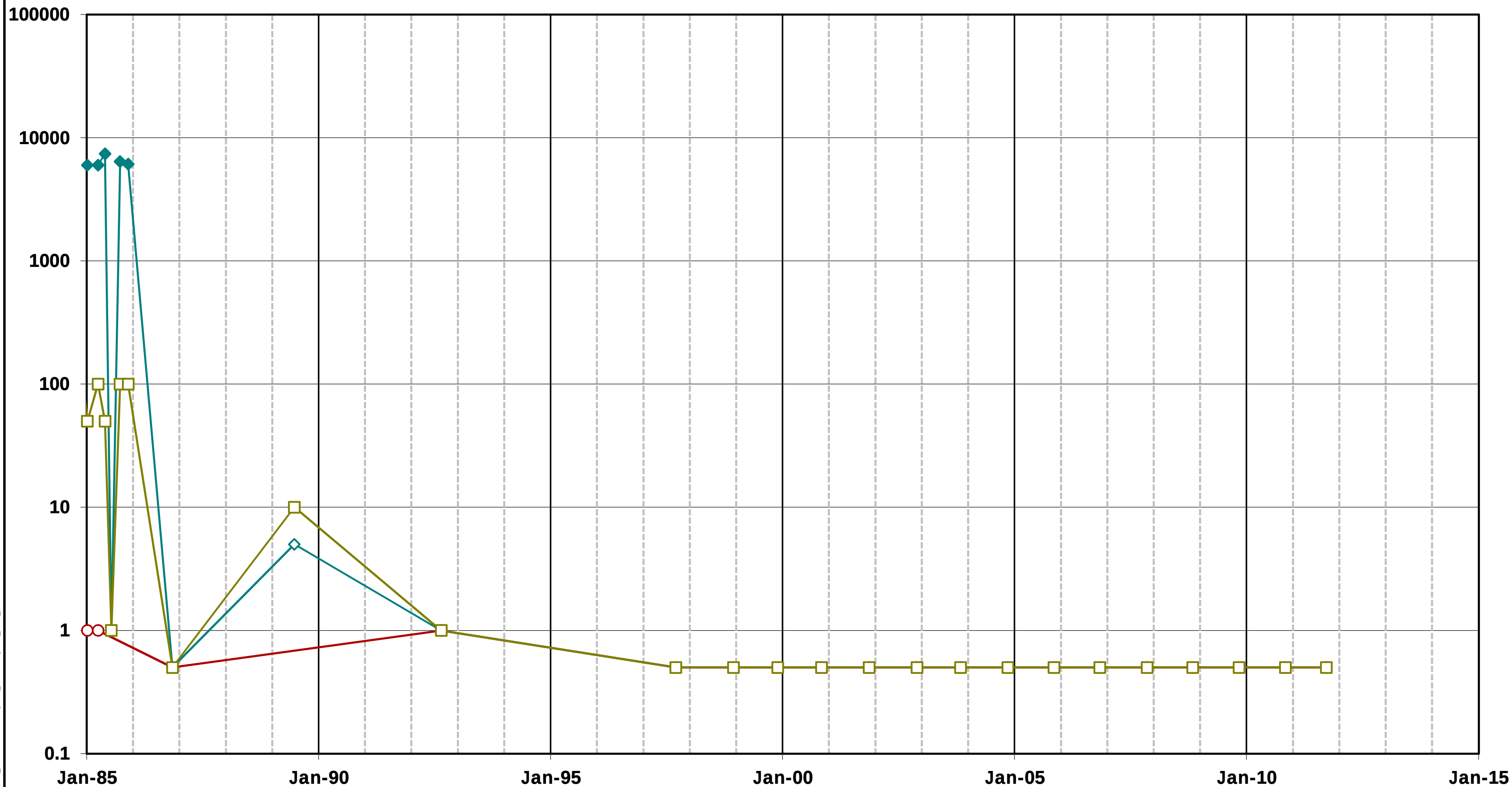
Figure

D-29

Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[1A_VOC.xls]Plot_1A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 20A
MEW Regional Annual Report

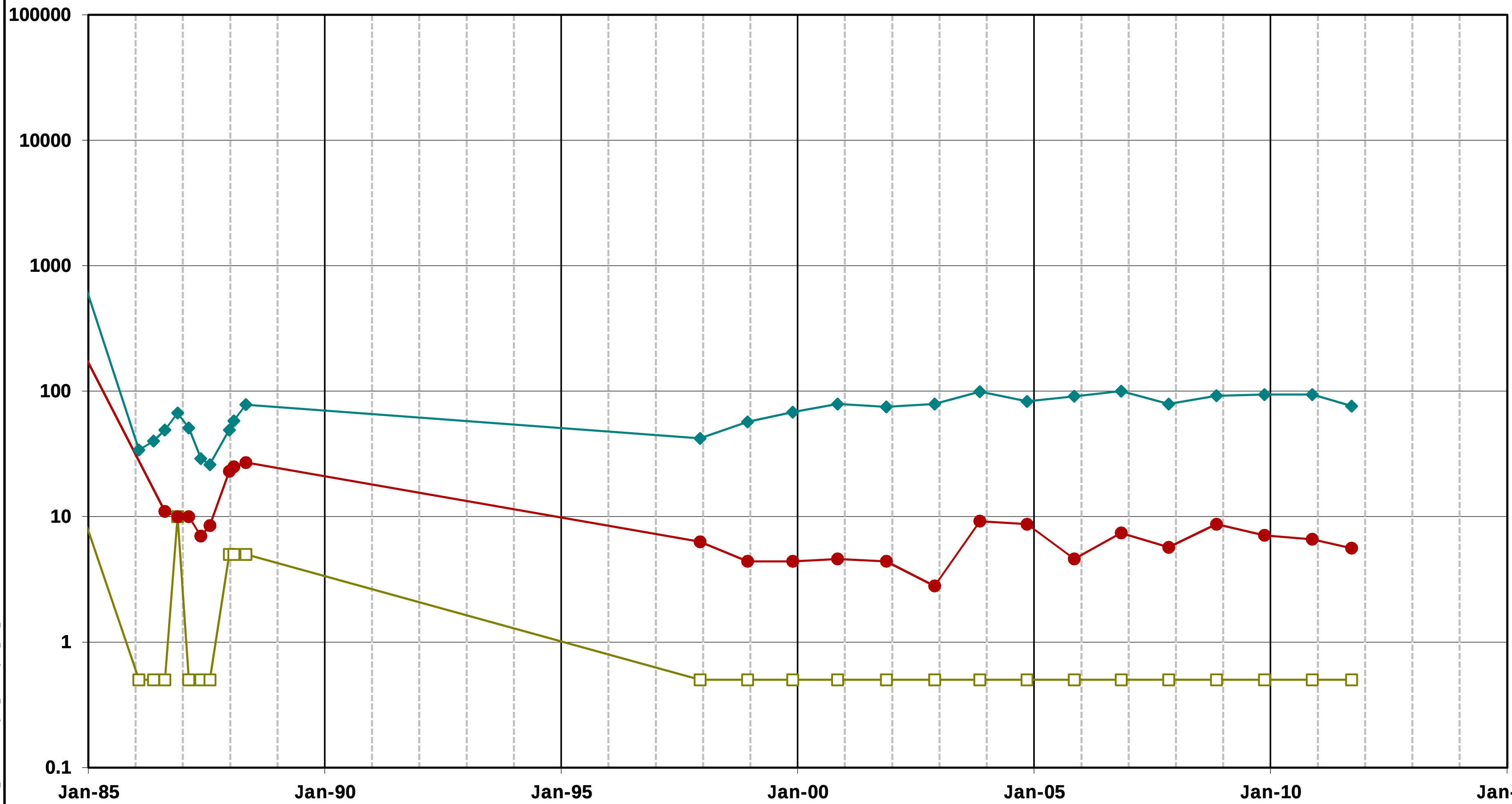
Geosyntec consultants

Figure

D-30

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[20A_VOC.xls]Plot_20A_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[21A_VOC.xls]Plot_21A_VOC

Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

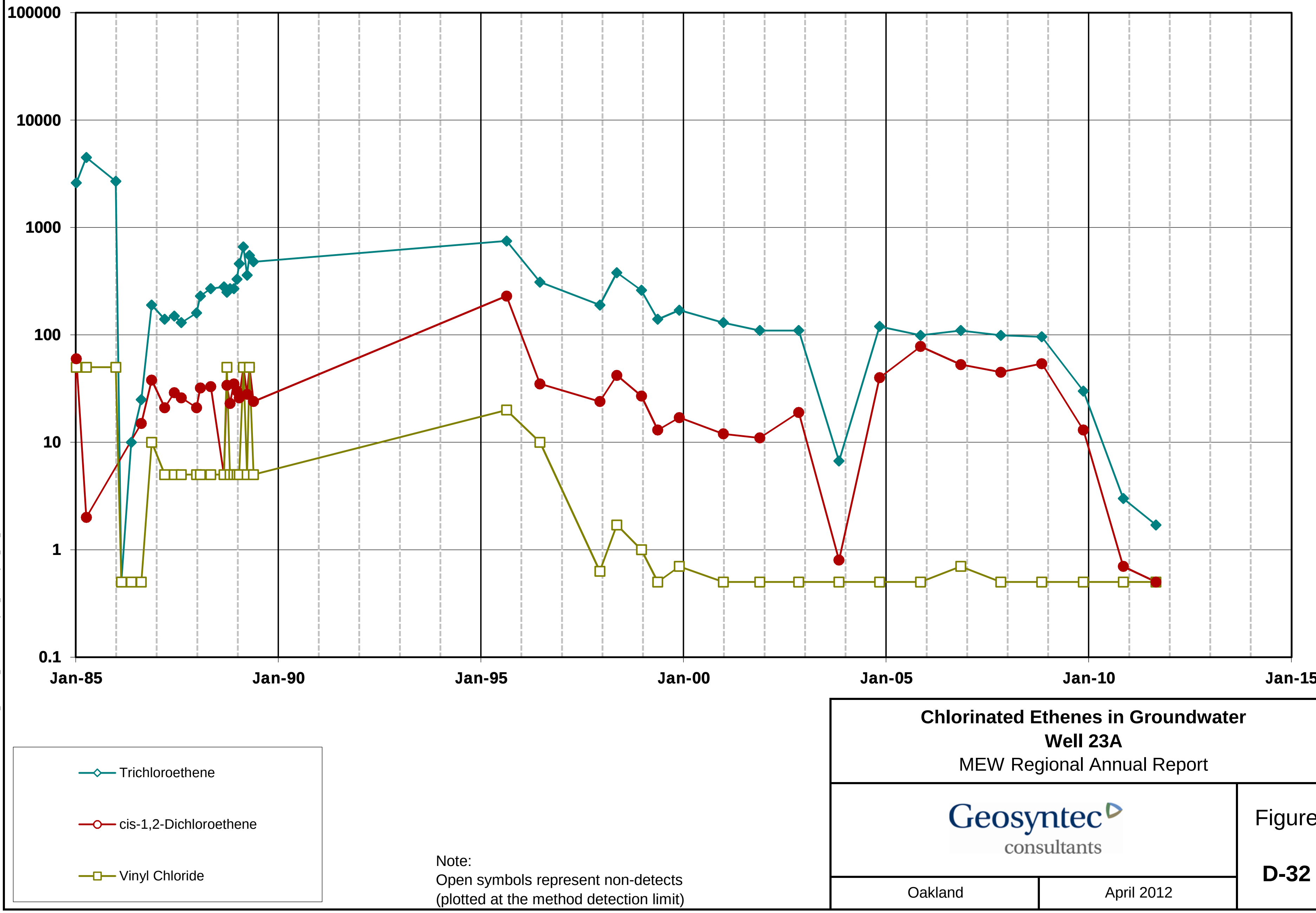
Chlorinated Ethenes in Groundwater
Well 21A
MEW Regional Annual Report

Geosyntec consultants

Figure

D-31

Oakland	April 2012



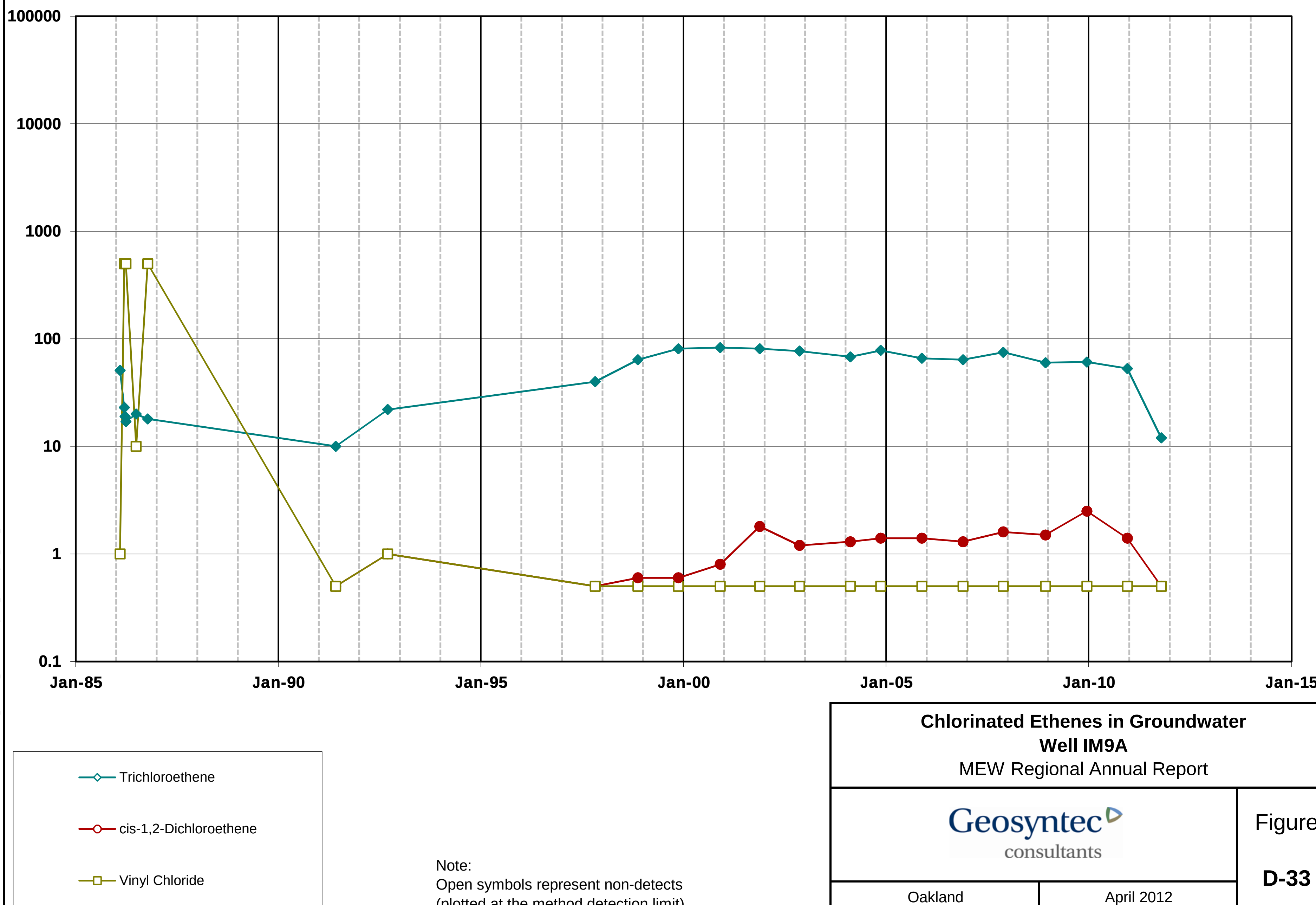
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 23A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-32**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well IM9A
MEW Regional Annual Report

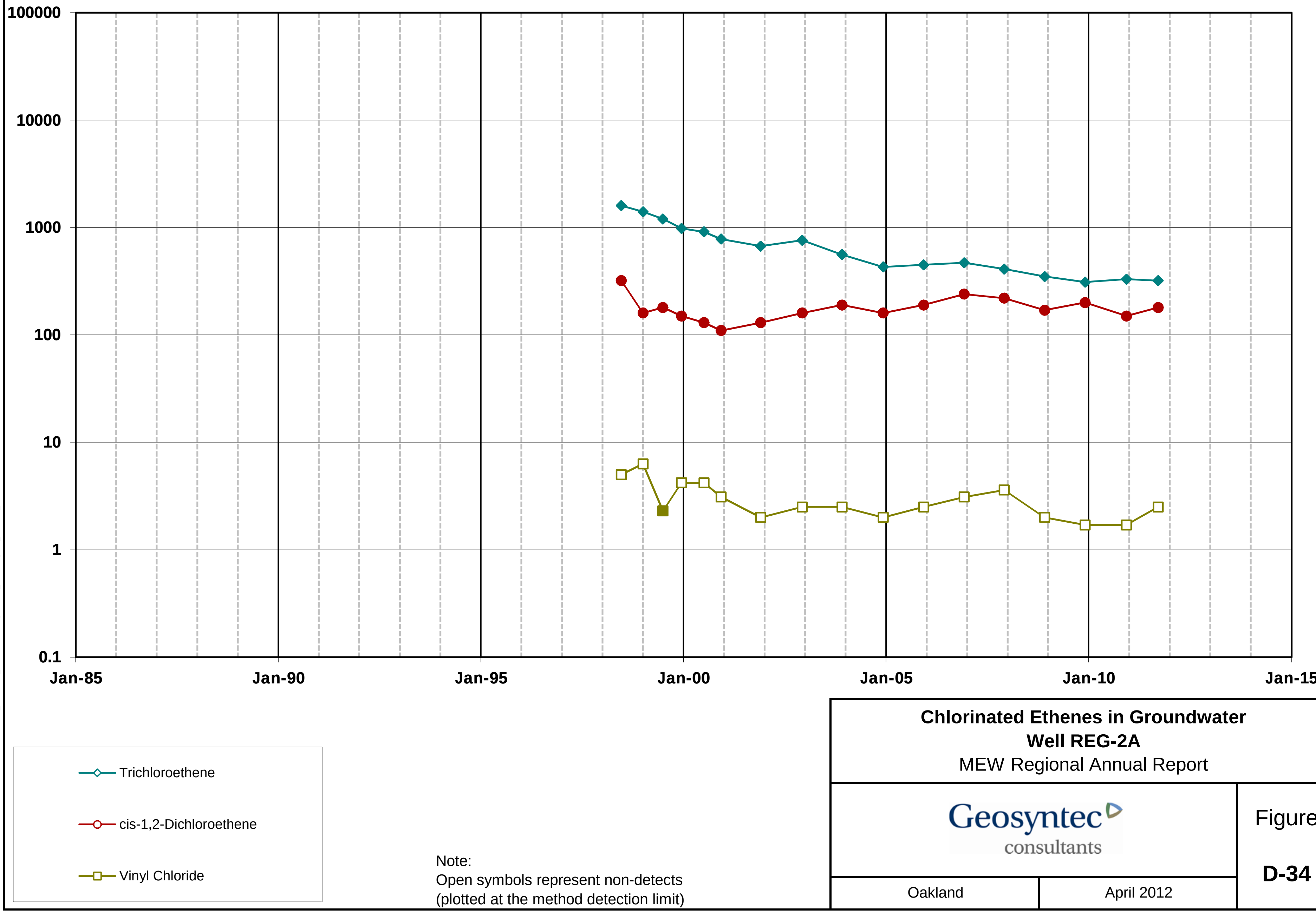
Geosyntec consultants

Figure

D-33

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[IM9A_VOC.xls]Plot_IM9A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

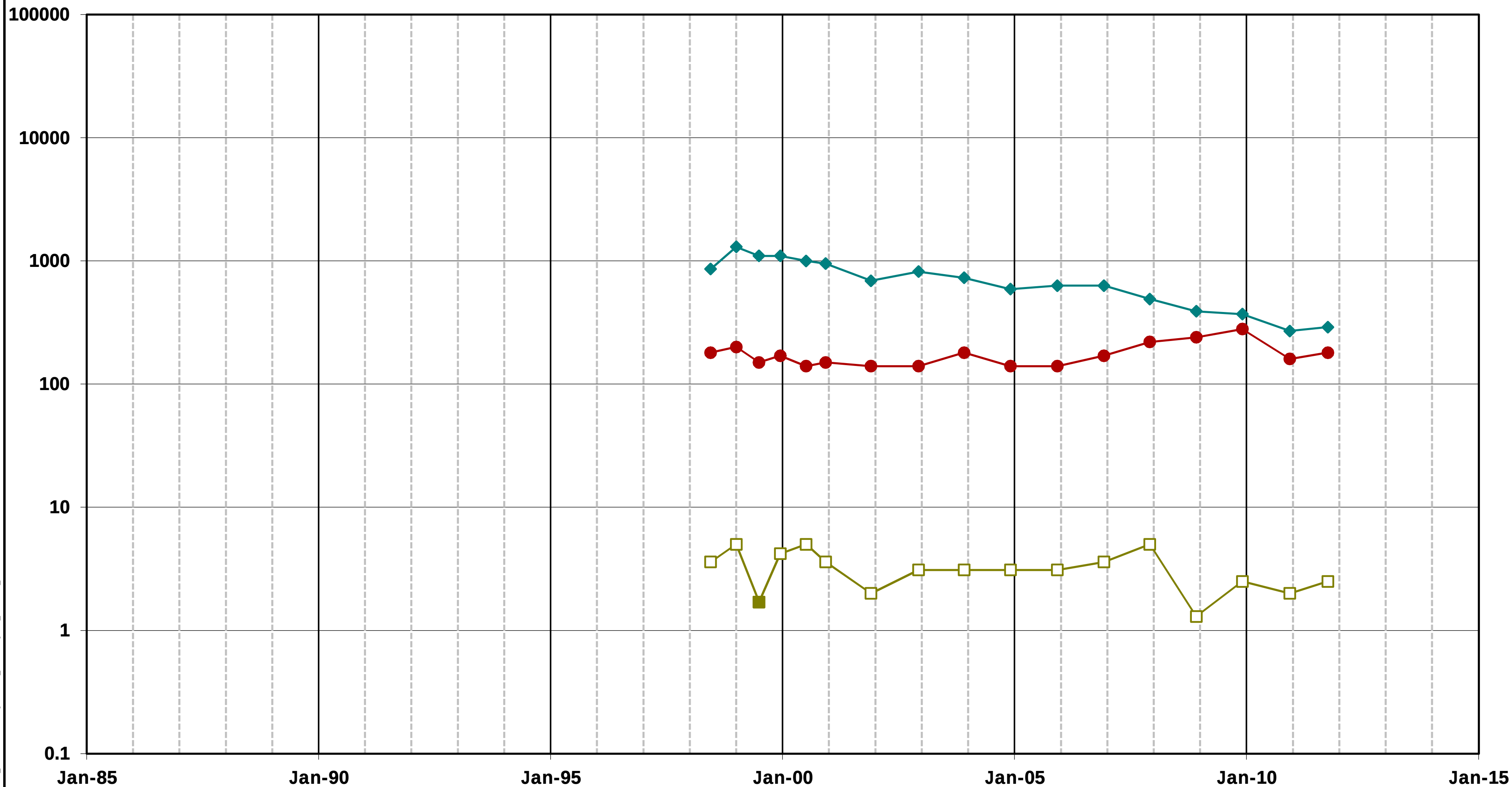
Chlorinated Ethenes in Groundwater
Well REG-2A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-34**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-2A_VOC.xls]Plot_REG-2A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-3A
MEW Regional Annual Report

Geosyntec consultants

Figure

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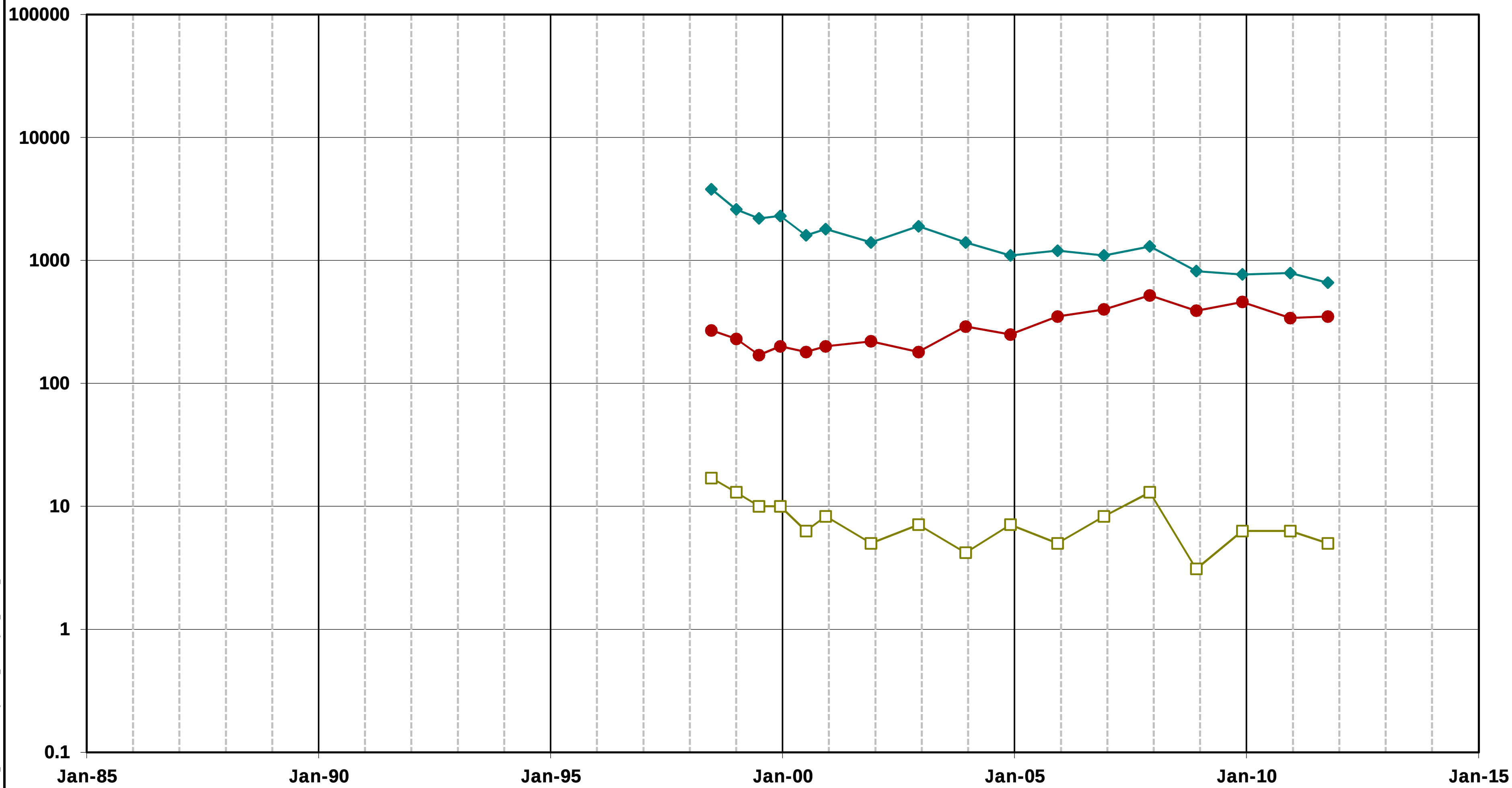
Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-4A
MEW Regional Annual Report

Geosyntec consultants

Figure

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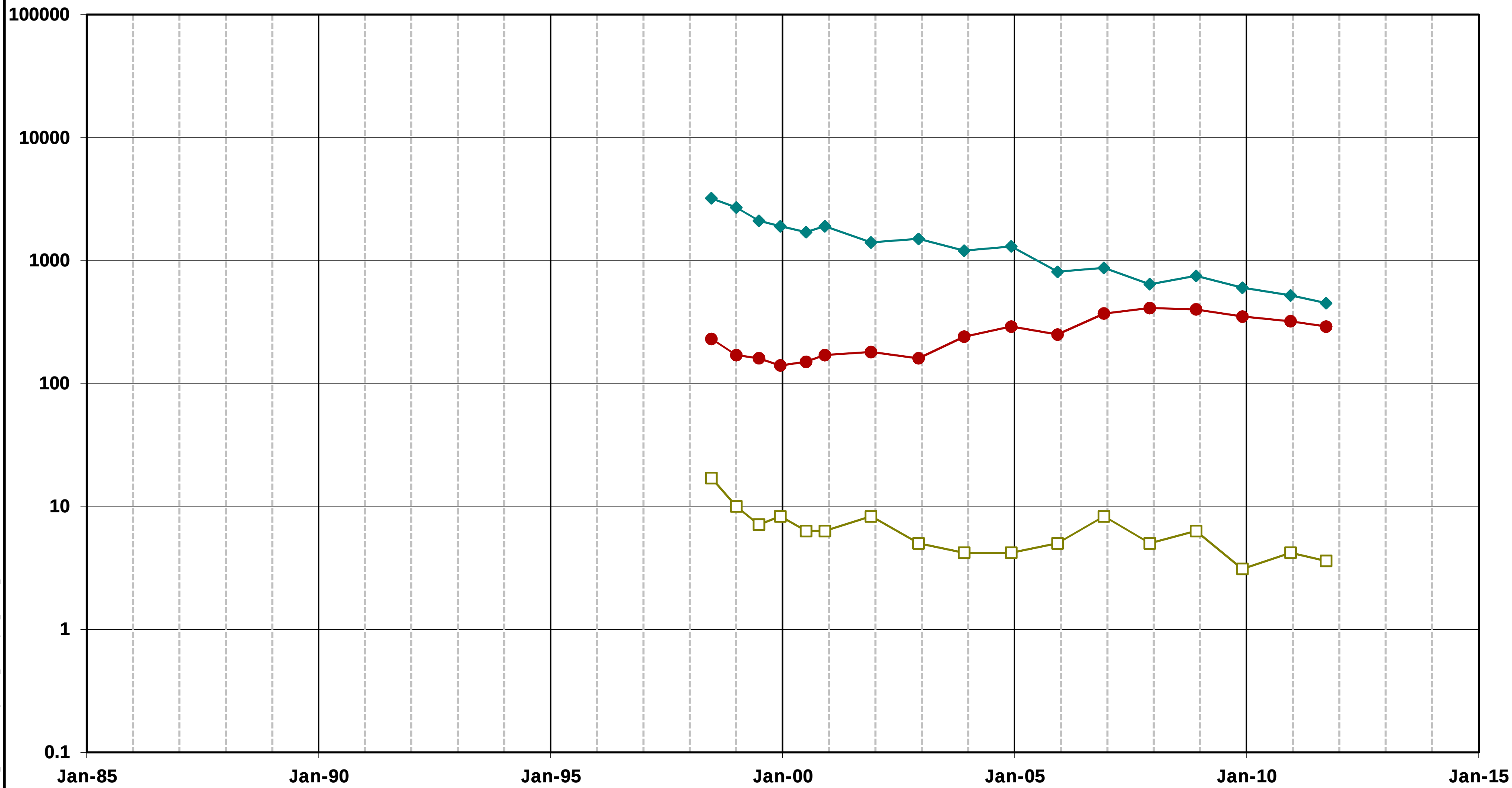
Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-4A_VOC.xls]Plot_REG-4A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

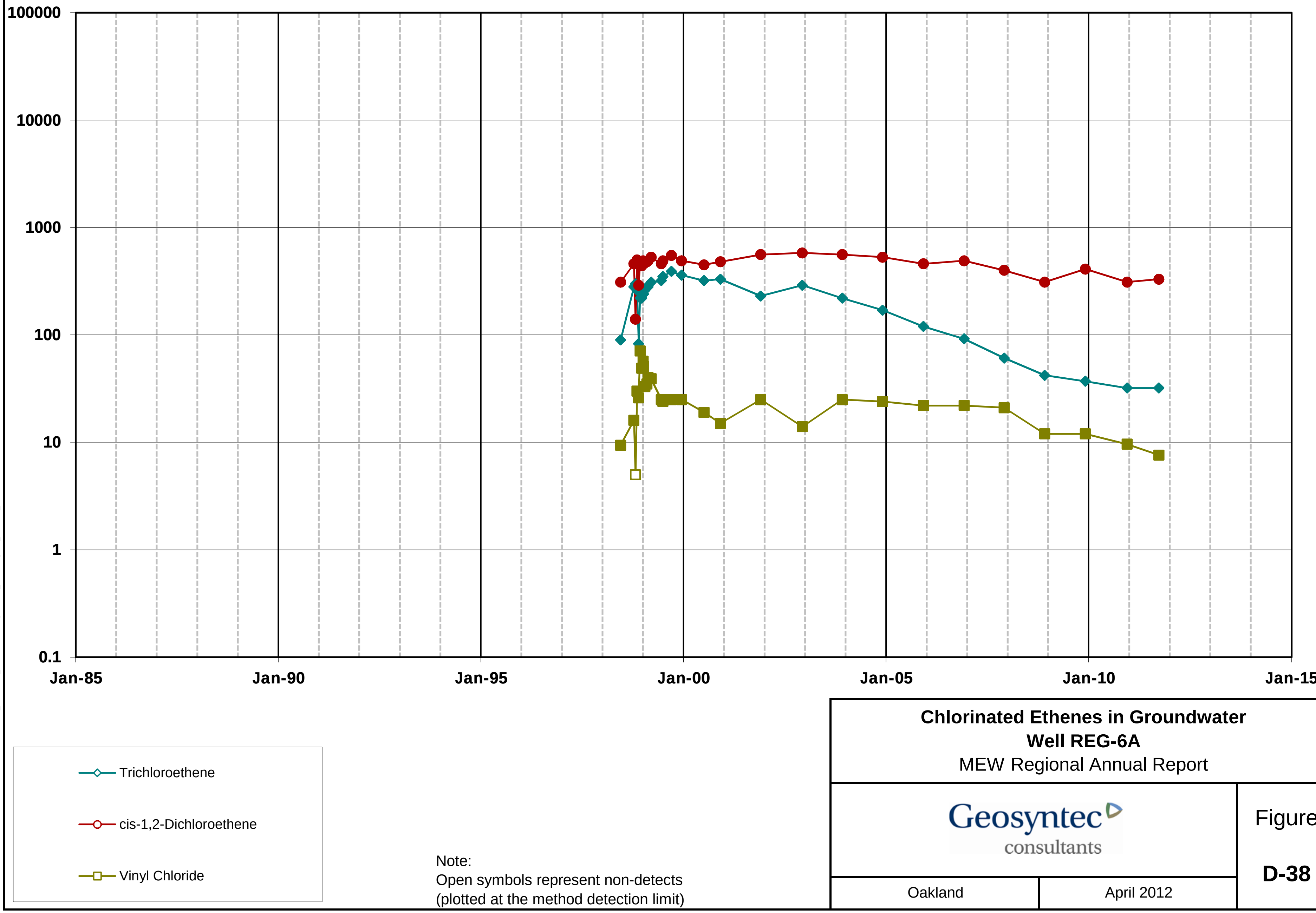
Chlorinated Ethenes in Groundwater
Well REG-5A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-37**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-5A_VOC.xls]Plot_REG-5A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

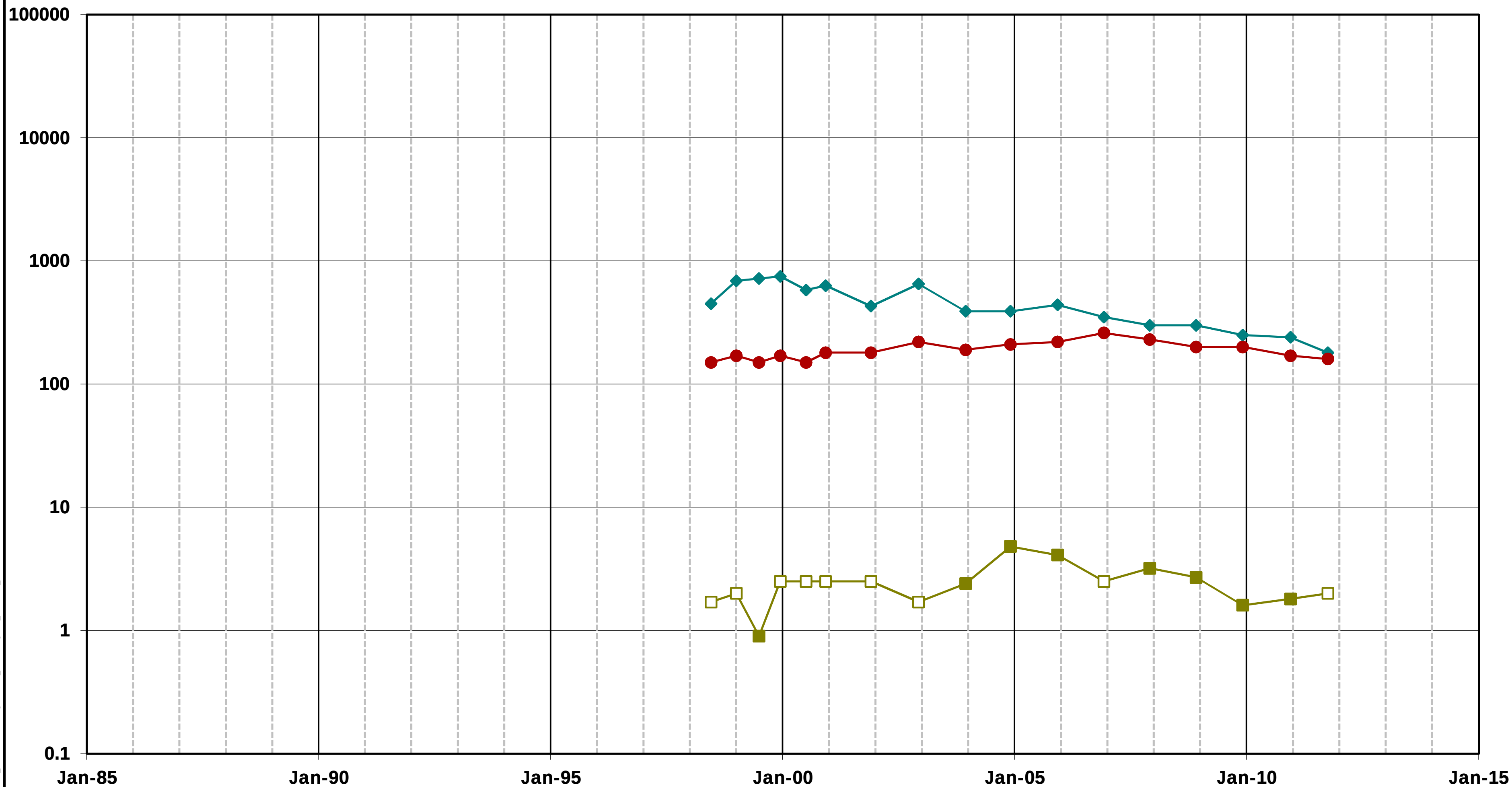
Chlorinated Ethenes in Groundwater
Well REG-6A
MEW Regional Annual Report

Geosyntec consultants

Figure
D-38

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-6A_VOC.xls]Plot_REG-6A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-7A
MEW Regional Annual Report

Geosyntec consultants

Figure

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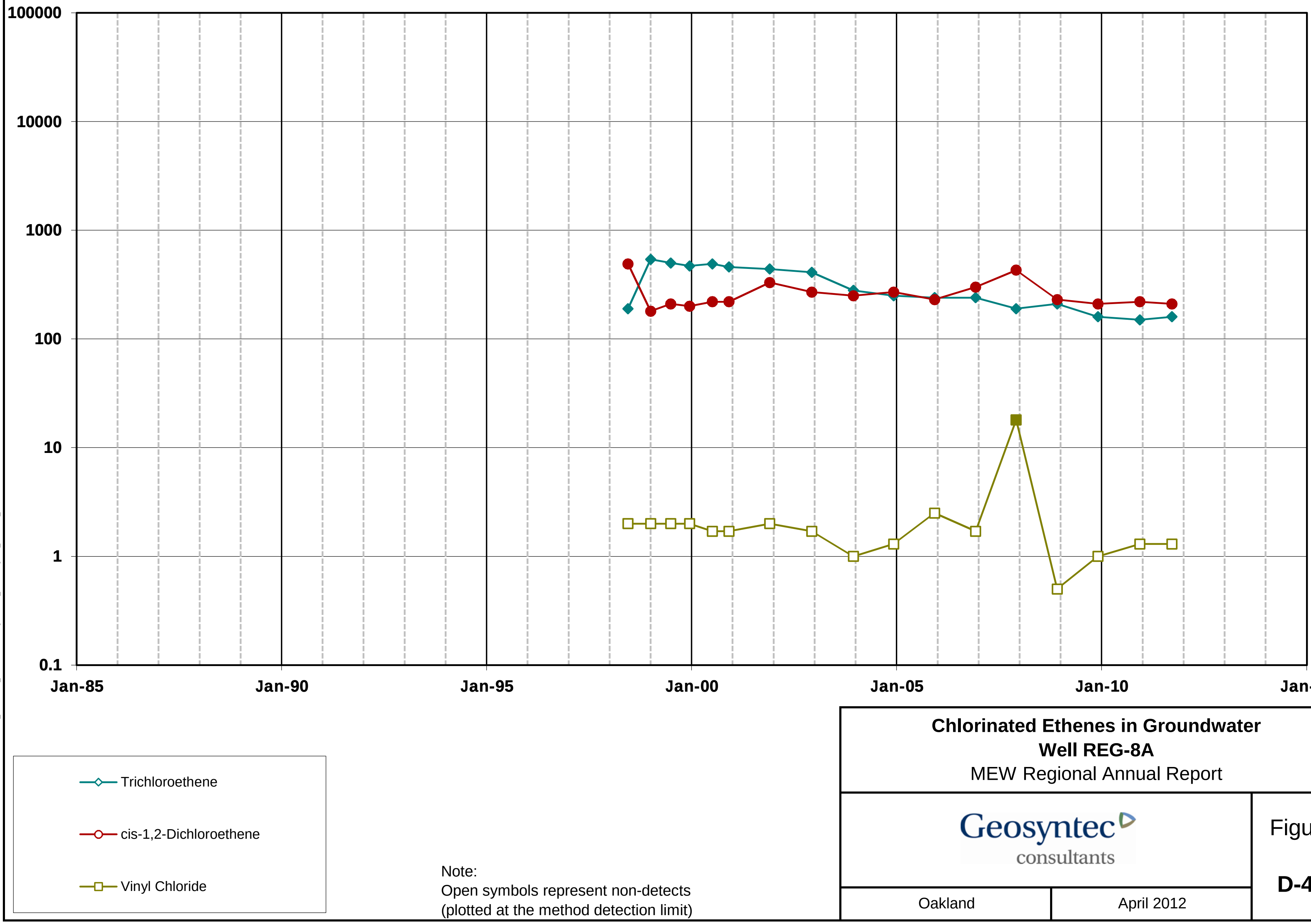
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-7A_VOC.xls]Plot_REG-7A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

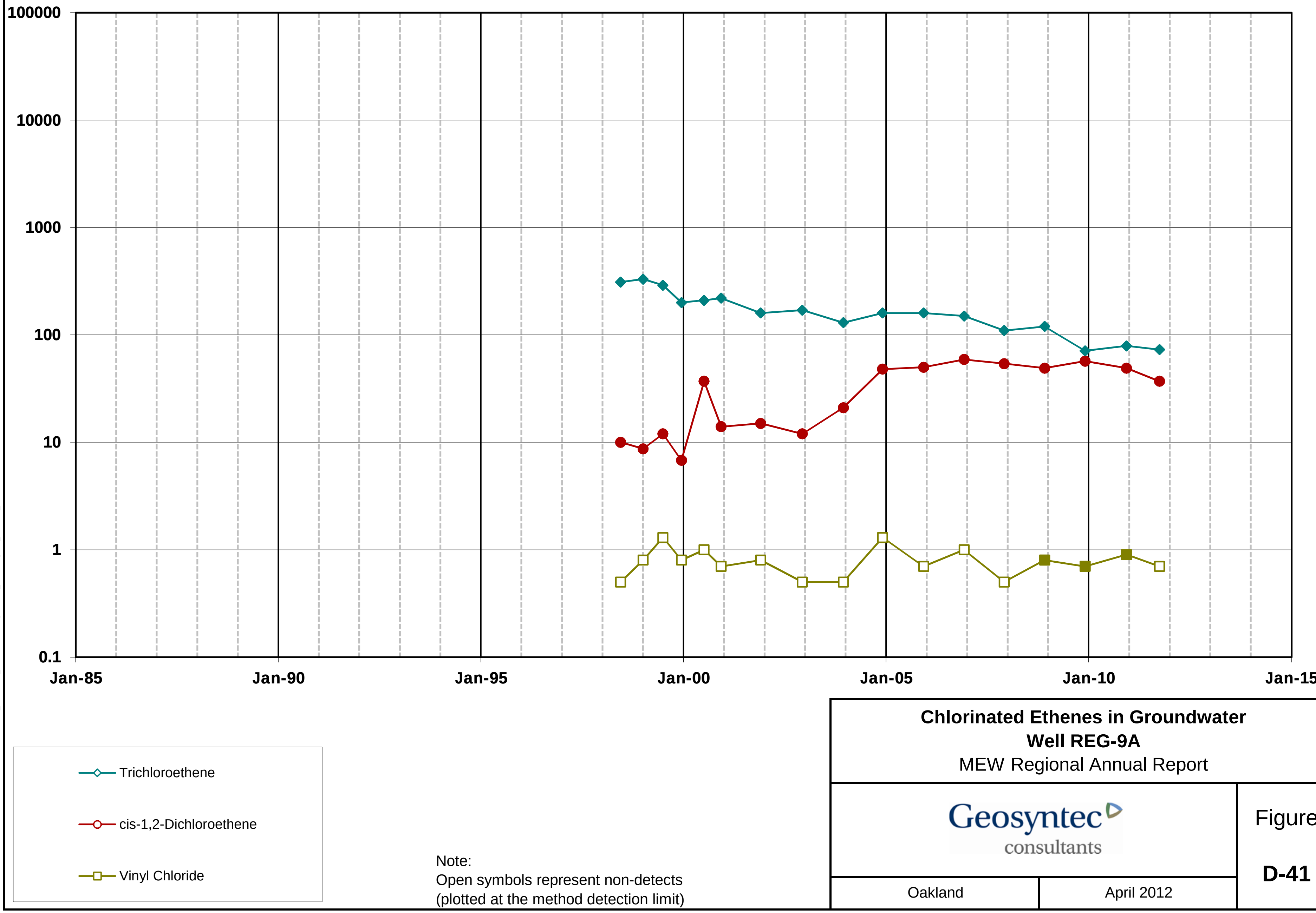
Chlorinated Ethenes in Groundwater
Well REG-8A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-40**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-8A_VOC.xls]Plot_REG-8A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

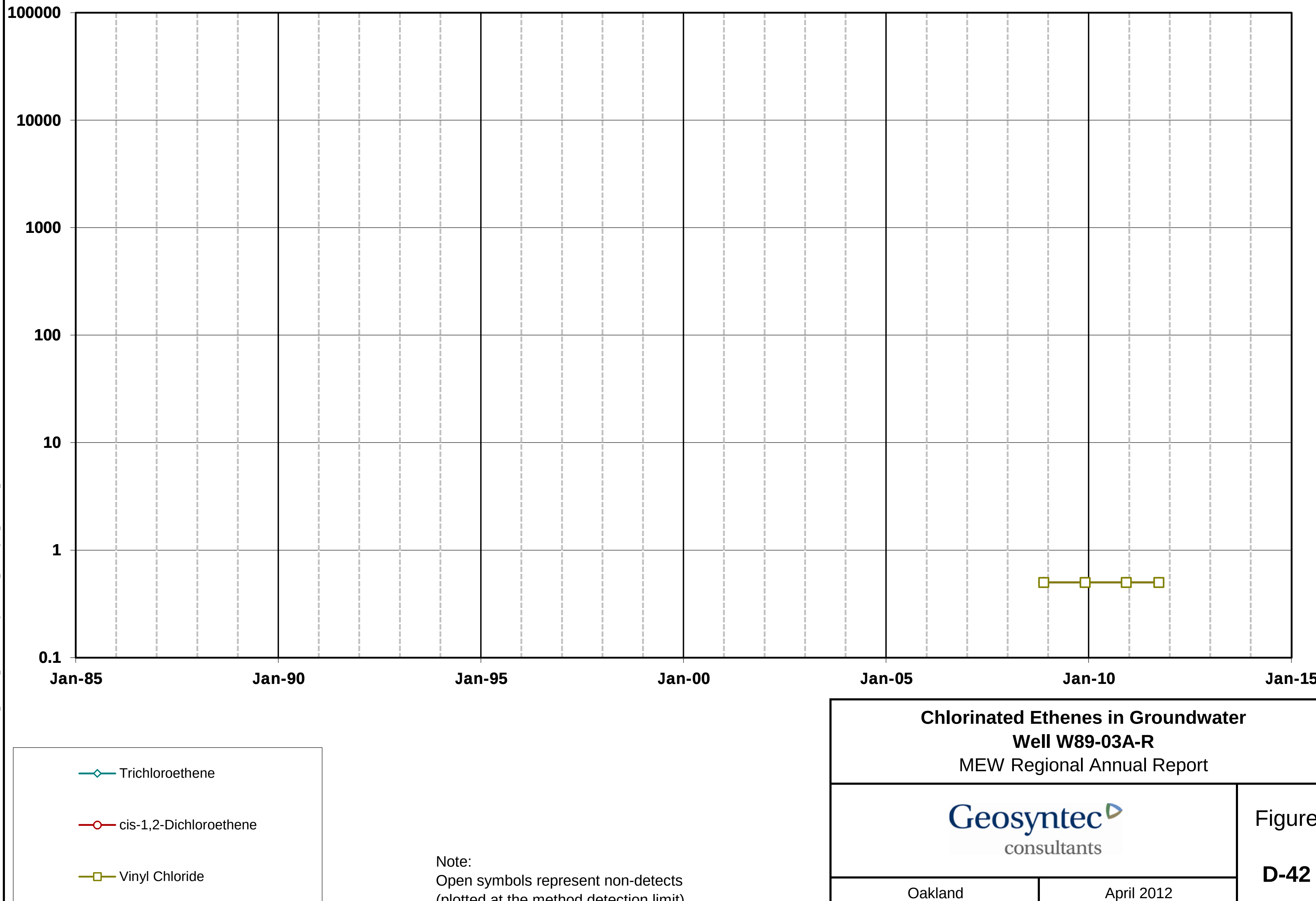
Chlorinated Ethenes in Groundwater
Well REG-9A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-41**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-9A_VOC.xls]Plot_REG-9A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

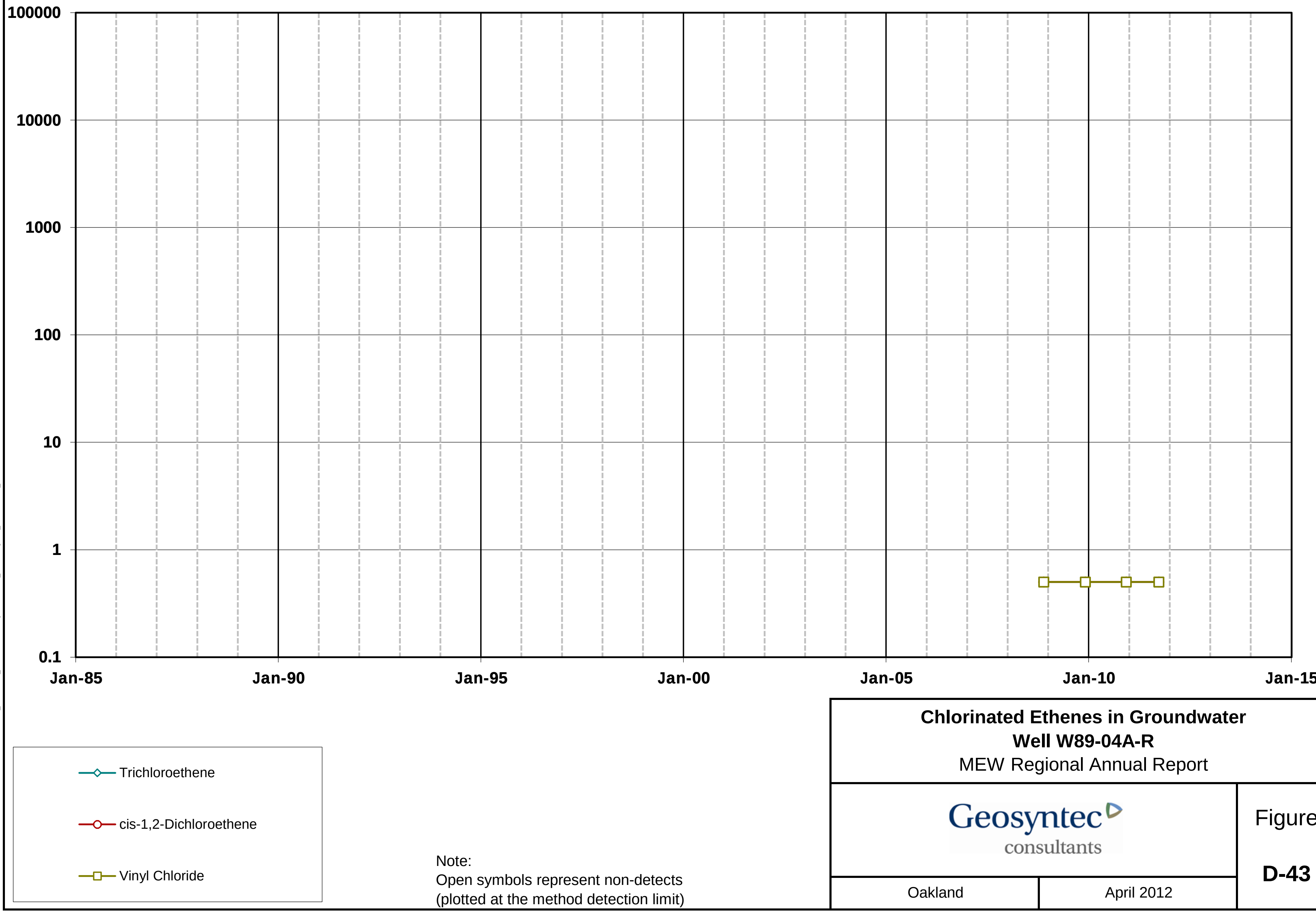
Chlorinated Ethenes in Groundwater
Well W89-03A-R
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure **D-42**

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-03A-R_VOC.xls]Plot_W89-03A-R_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

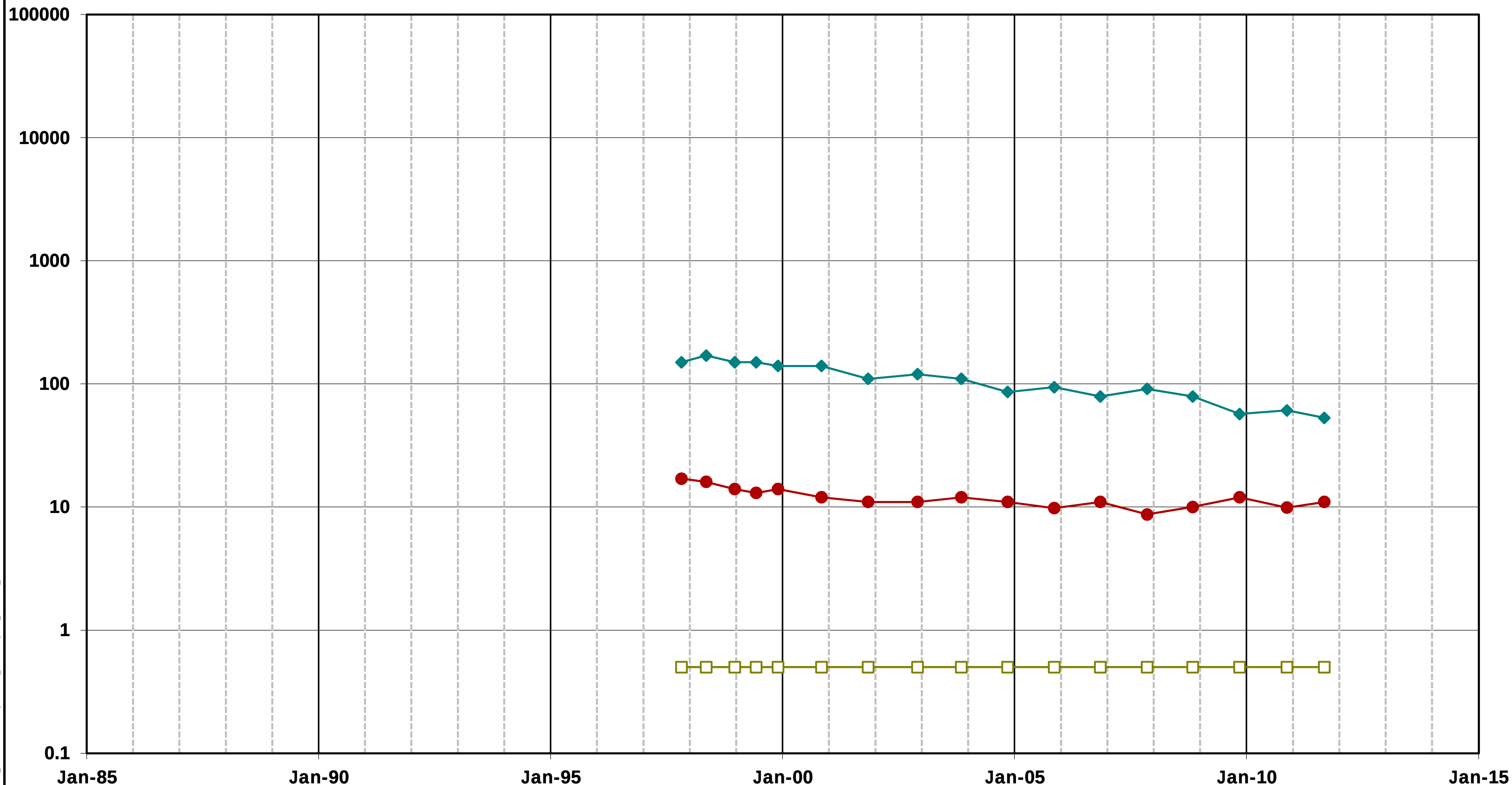
Chlorinated Ethenes in Groundwater
Well W89-04A-R
MEW Regional Annual Report

Geosyntec consultants

Figure **D-43**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-04A-R_VOC.xls]Plot_W89-04A-R_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

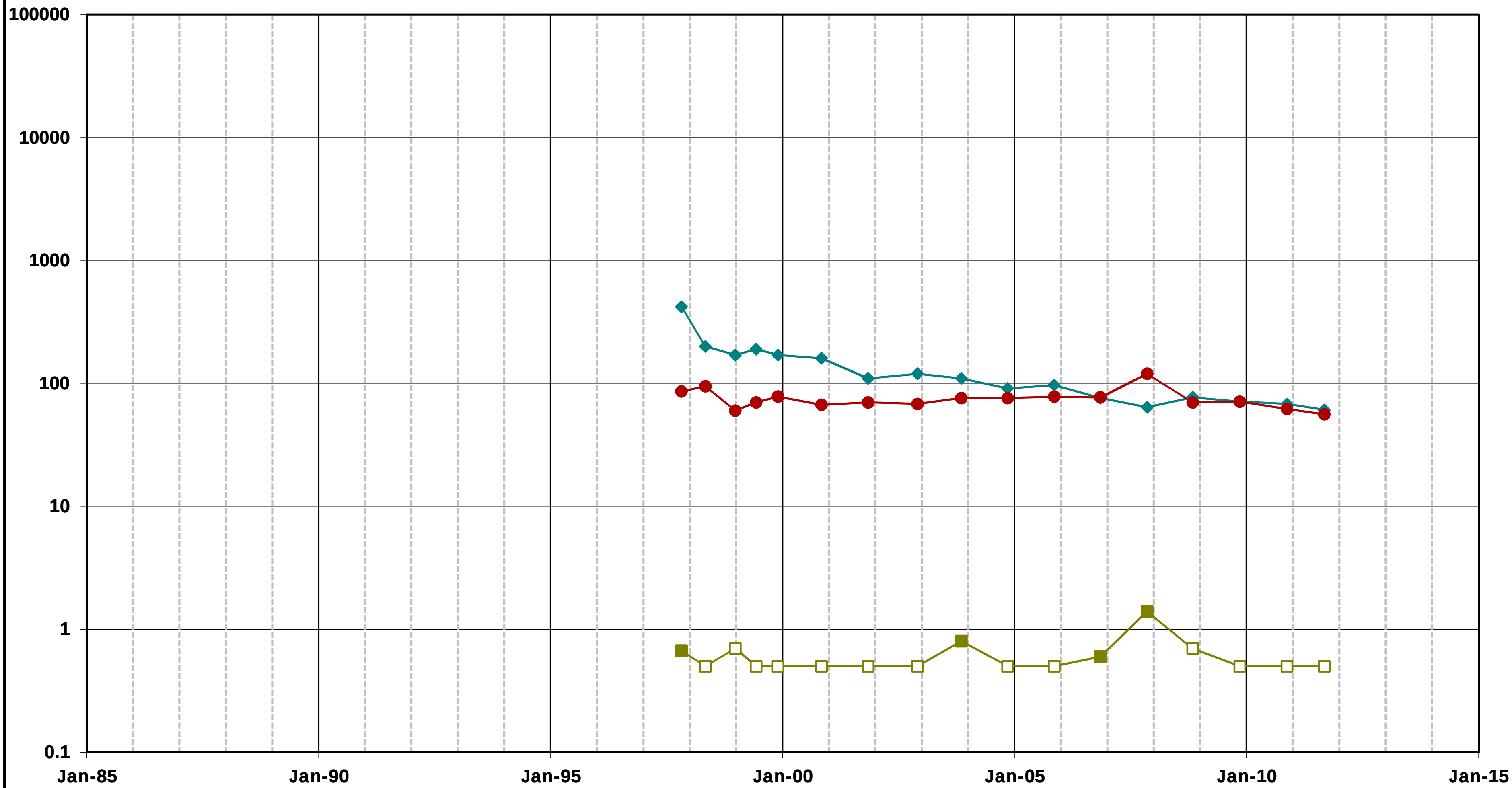
Chlorinated Ethenes in Groundwater
Well REG-1A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-44**

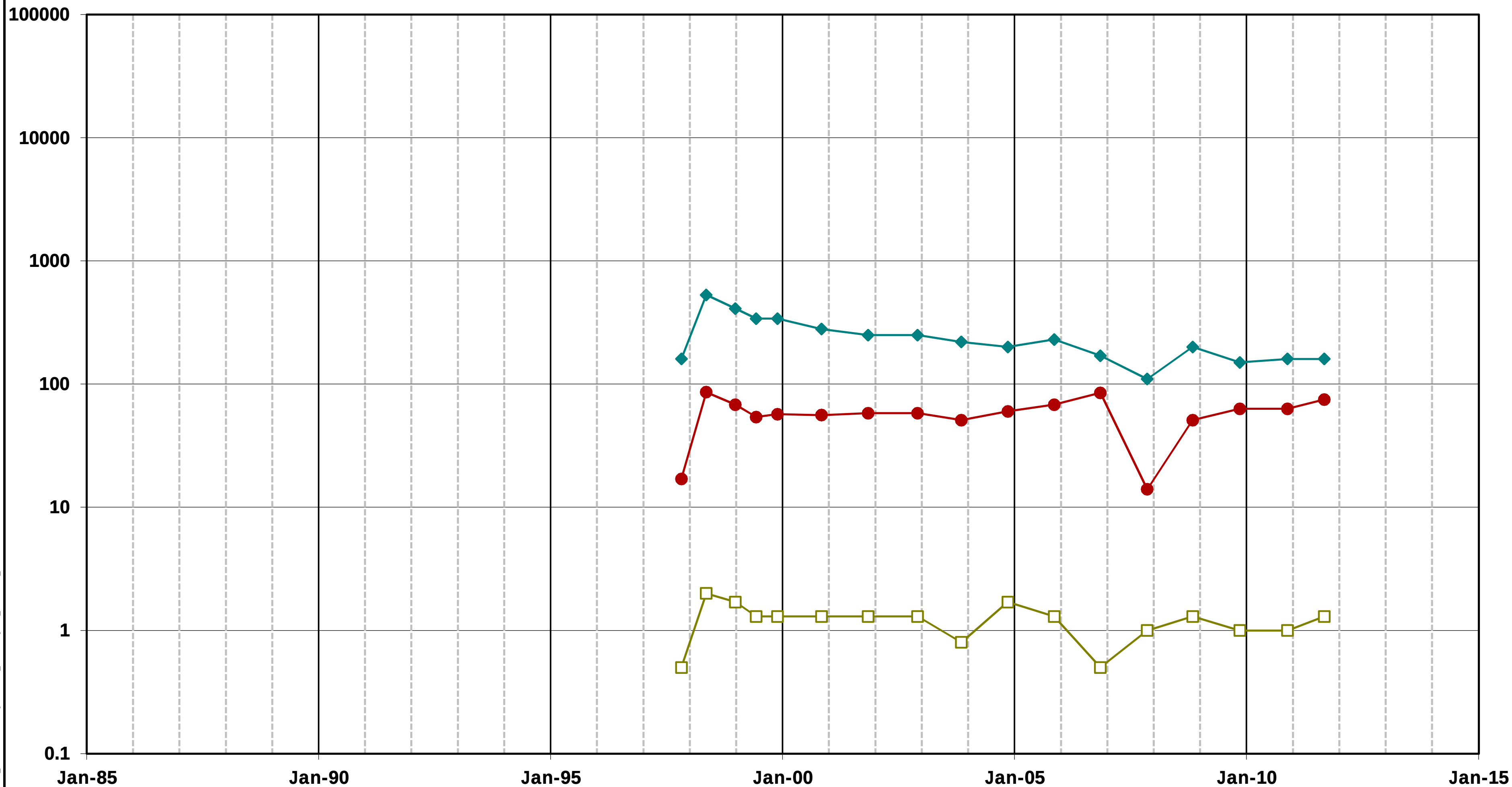
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-1A_VOC.xls]Plot_REG-1A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater Well REG-10A MEW Regional Annual Report		
Geosyntec consultants		Figure D-45
Oakland	April 2012	



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

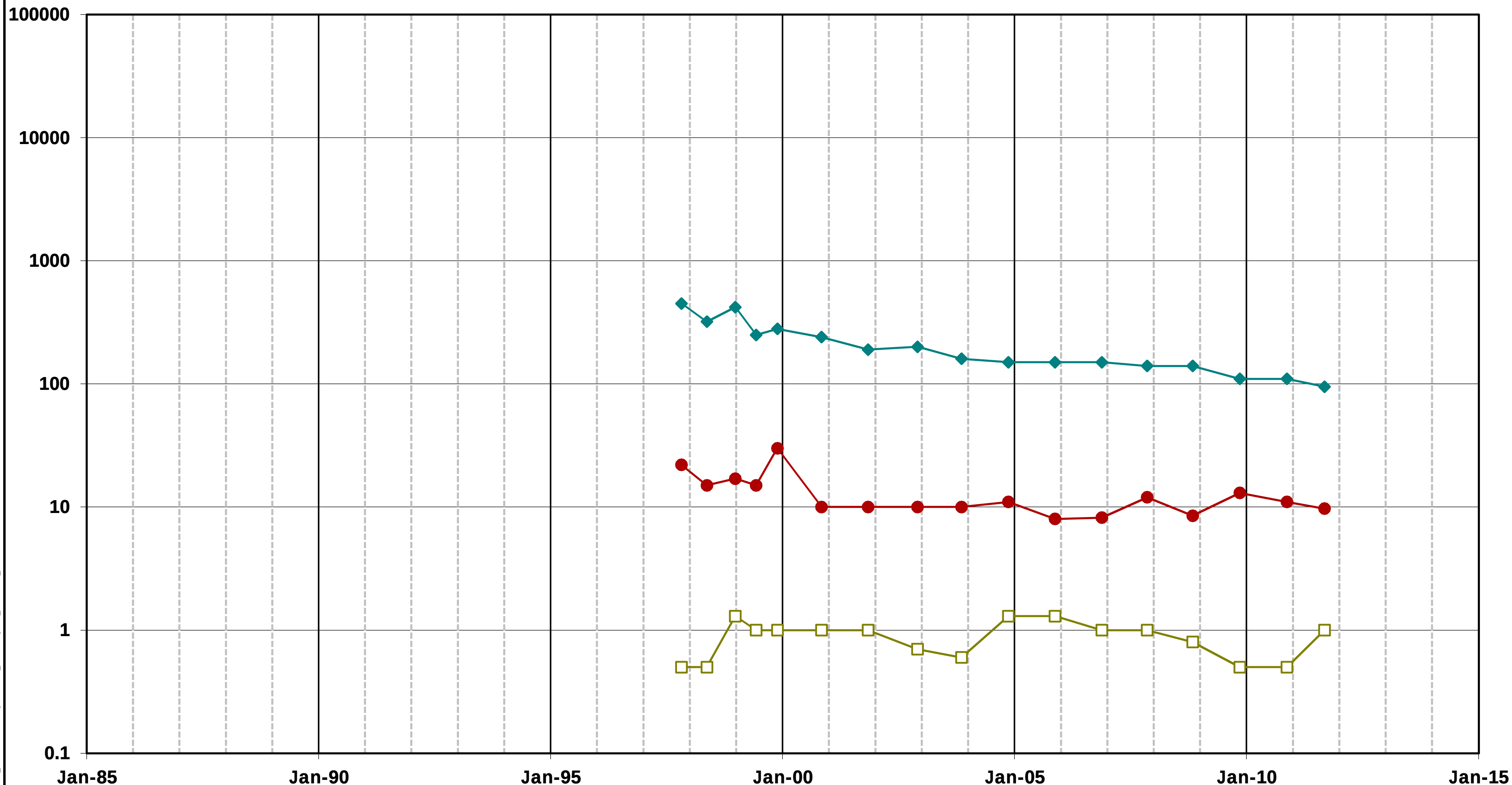
Chlorinated Ethenes in Groundwater
Well REG-11A
MEW Regional Annual Report

Geosyntec
consultants

Figure
D-46

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-11A_VOC.xls]Plot_REG-11A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

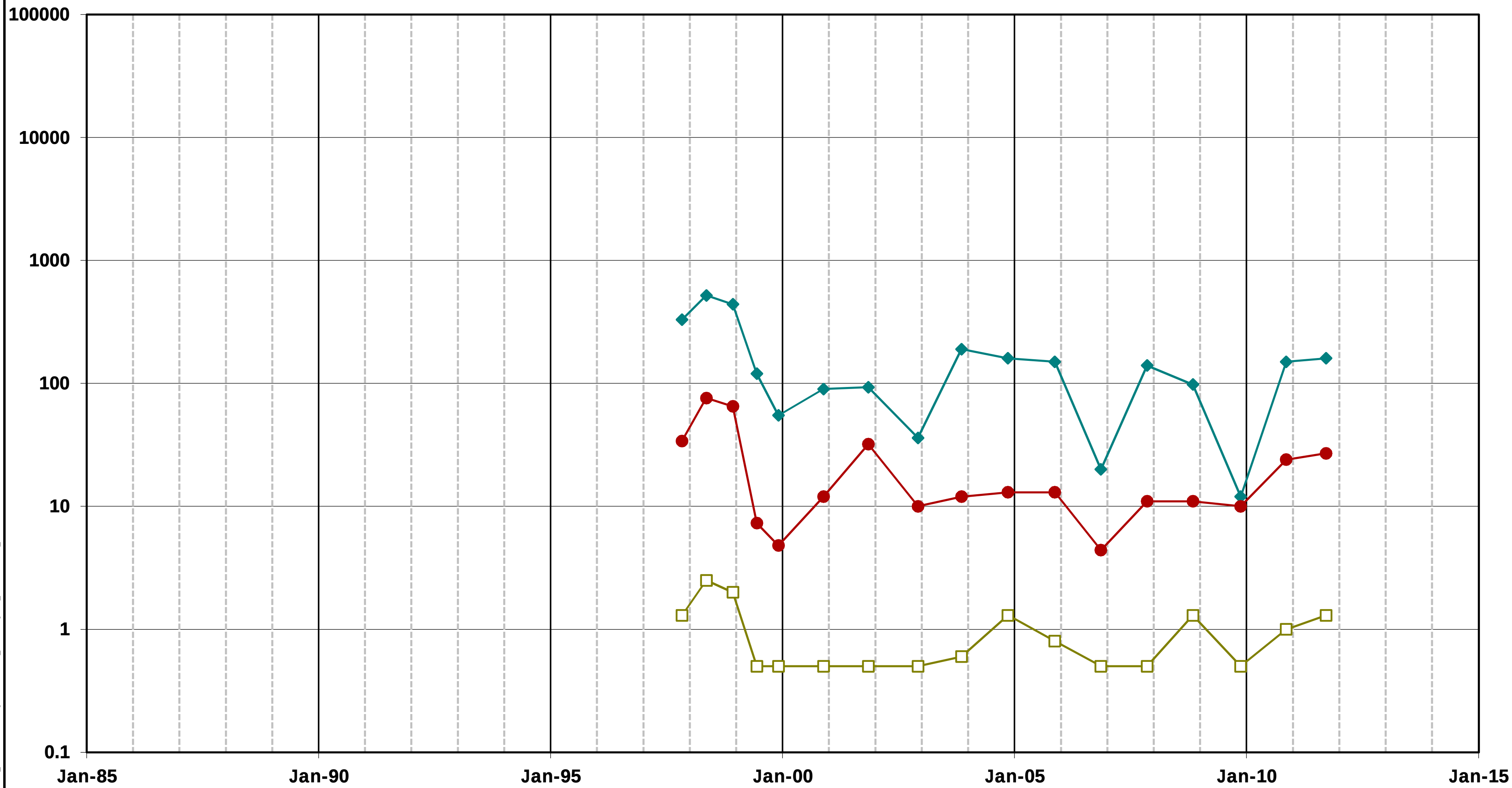
Chlorinated Ethenes in Groundwater
Well REG-12A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-47**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-12A_VOC.xls]Plot_REG-12A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

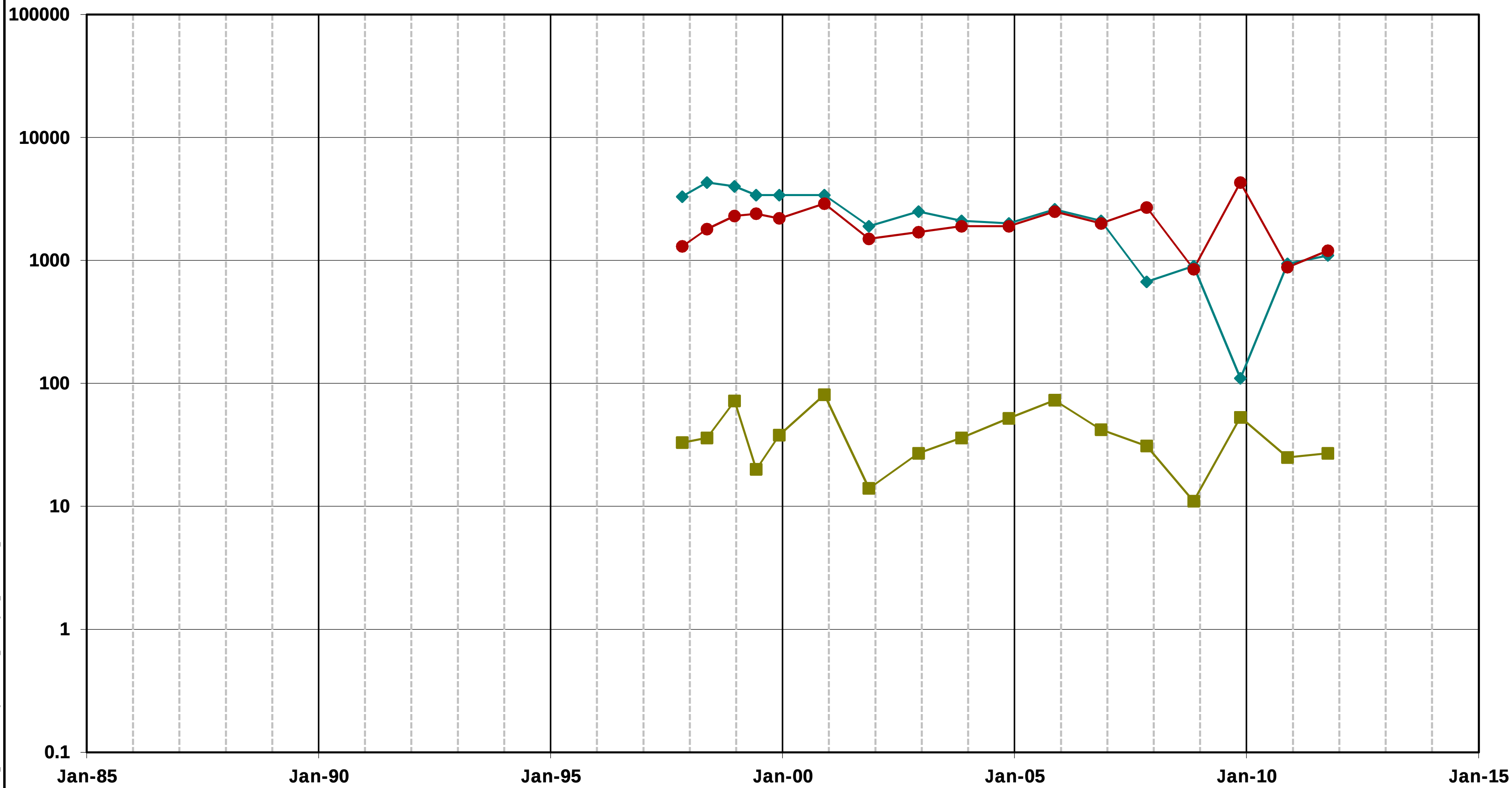
Chlorinated Ethenes in Groundwater
Well REG-MW-1A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-48**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-MW-1A_VOC.xls]Plot_REG-MW-1A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-MW-2A
MEW Regional Annual Report

Geosyntec consultants

Figure

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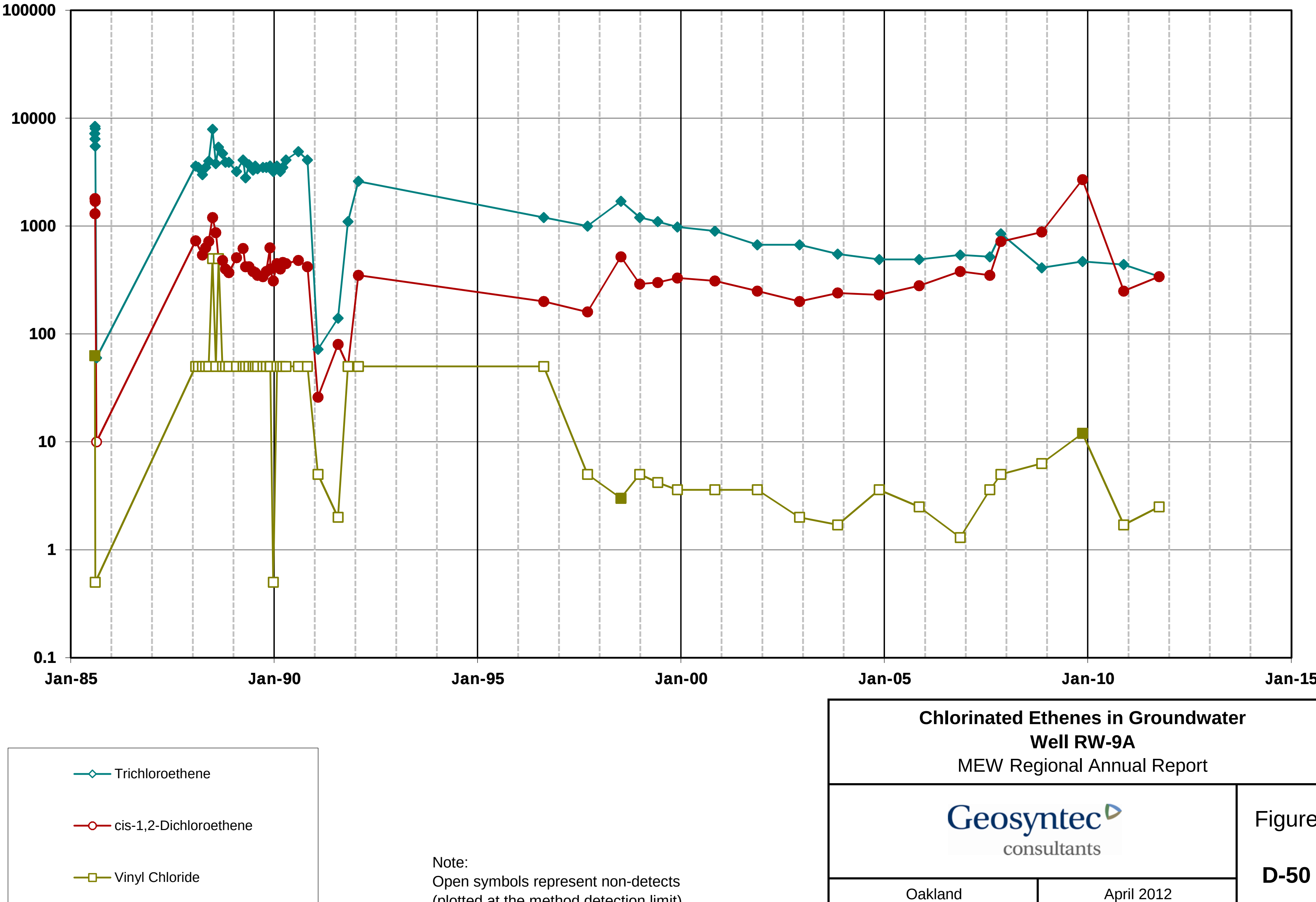
Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

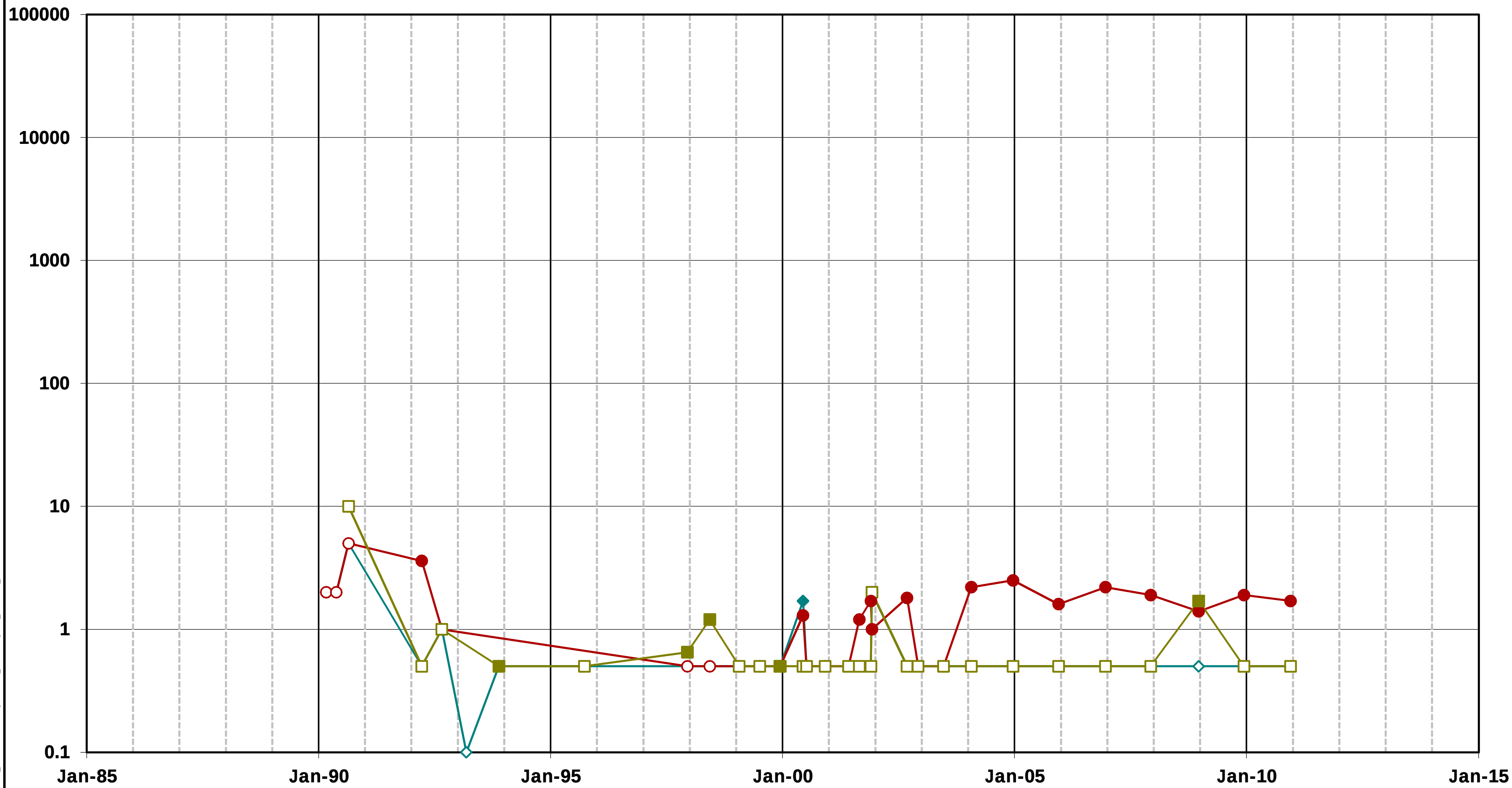
Chlorinated Ethenes in Groundwater
Well RW-9A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-50**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RW-9A_VOC.xls]Plot_RW-9A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 14D02A
MEW Regional Annual Report

Geosyntec consultants

Figure

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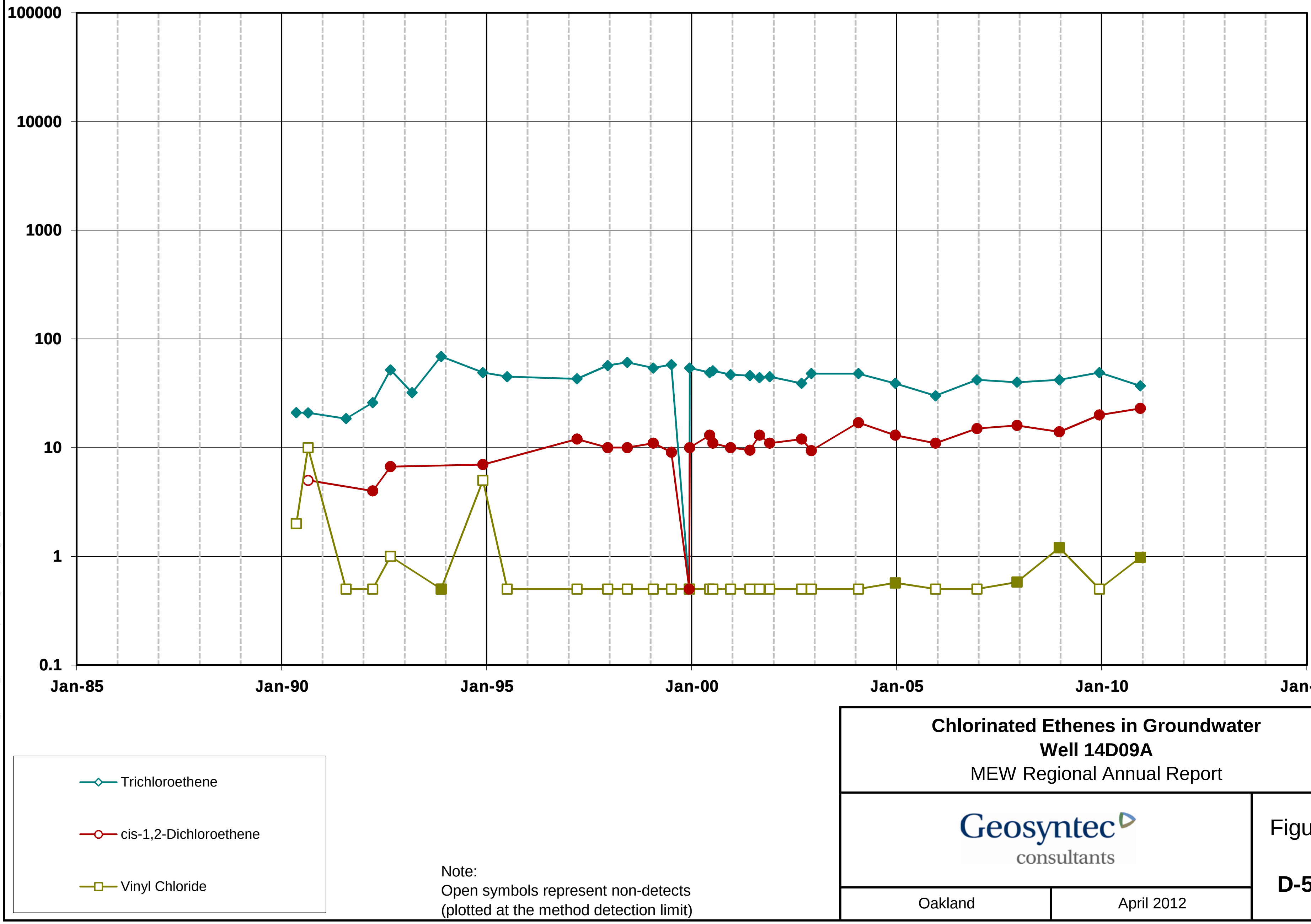
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[14D02A_VOC.xls]Plot_14D02A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

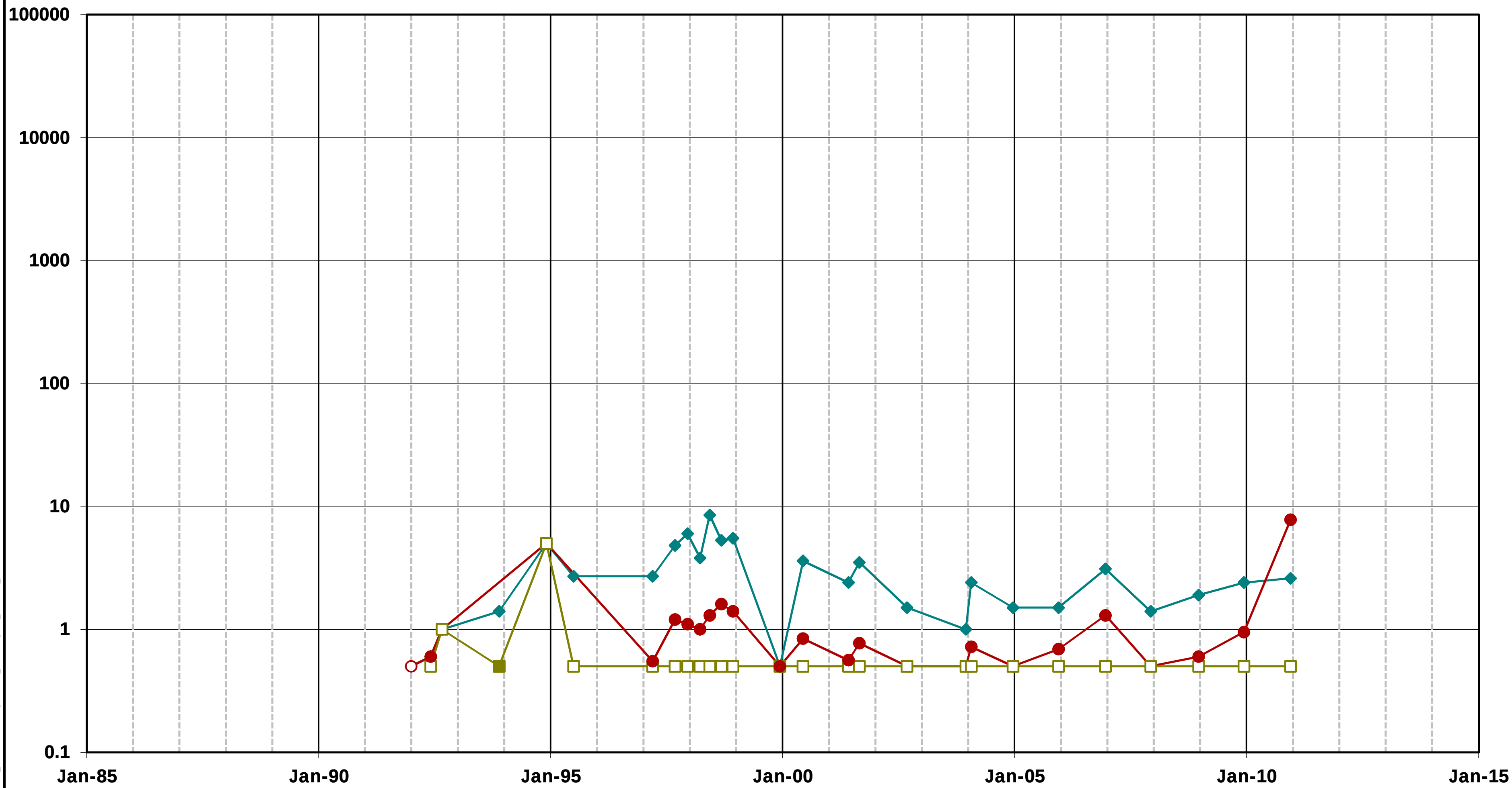
Chlorinated Ethenes in Groundwater
Well 14D09A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-52**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[14D09A_VOC.xls]Plot_14D09A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 14D13A
MEW Regional Annual Report

Geosyntec consultants

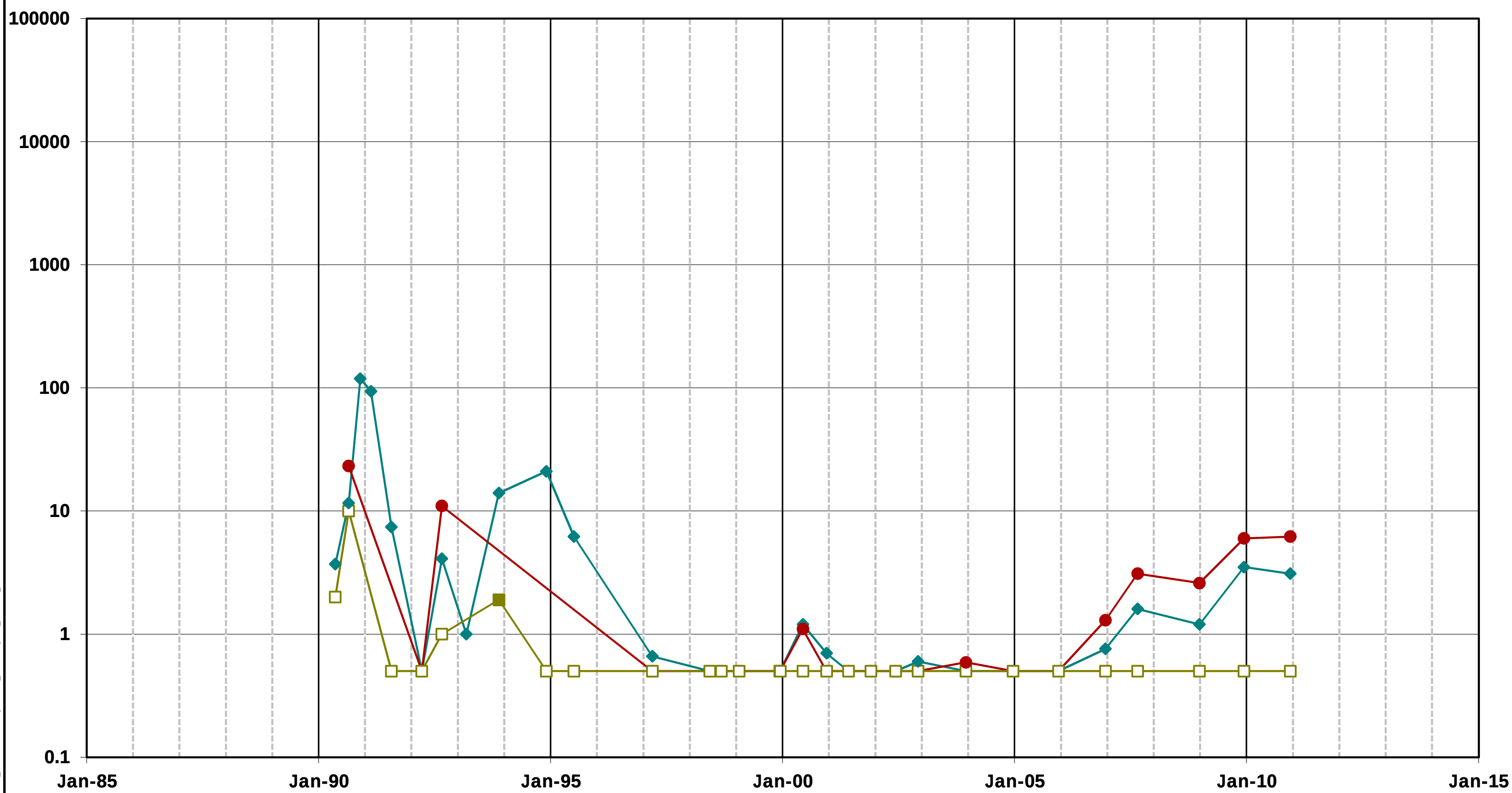
Figure

D-53

Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[14D13A_VOC.xls]Plot_14D13A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

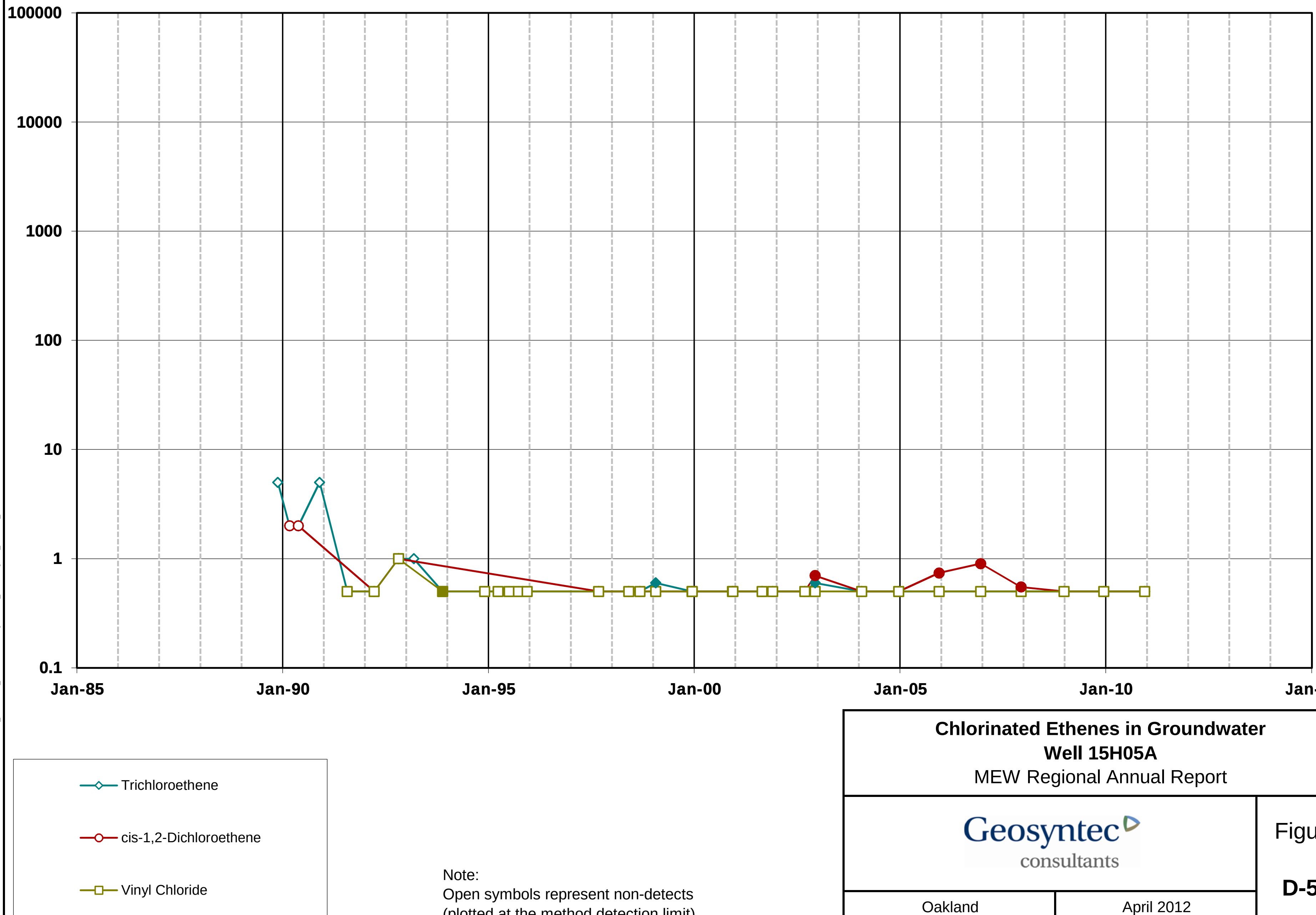
Chlorinated Ethenes in Groundwater
Well 14E14A
MEW Regional Annual Report

Geosyntec consultants

Figure
D-54

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[14E14A_VOC.xls]Plot_14E14A_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[15H05A_VOC.xls]Plot_15H05A_VOC

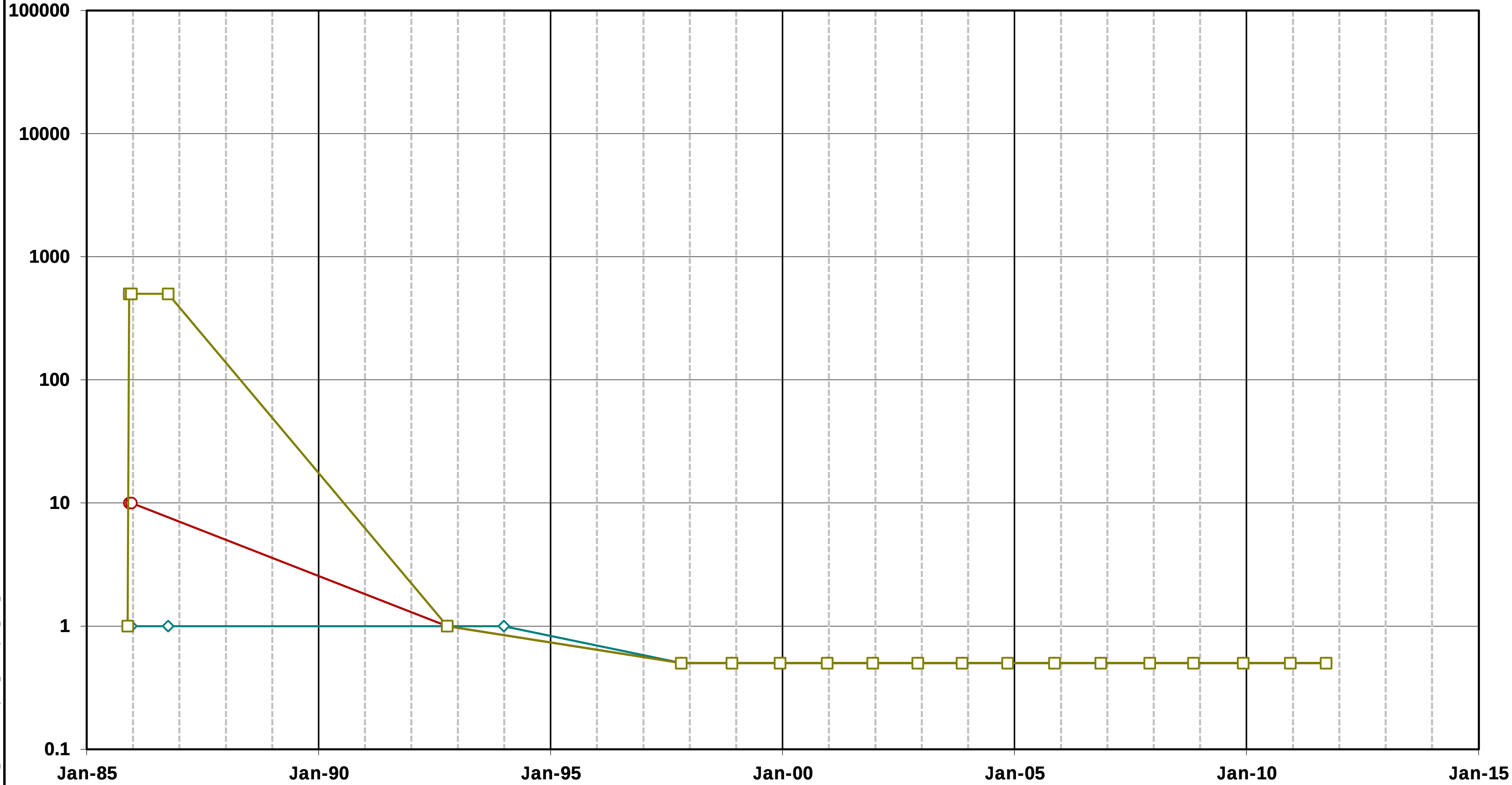
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 15H05A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-55**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

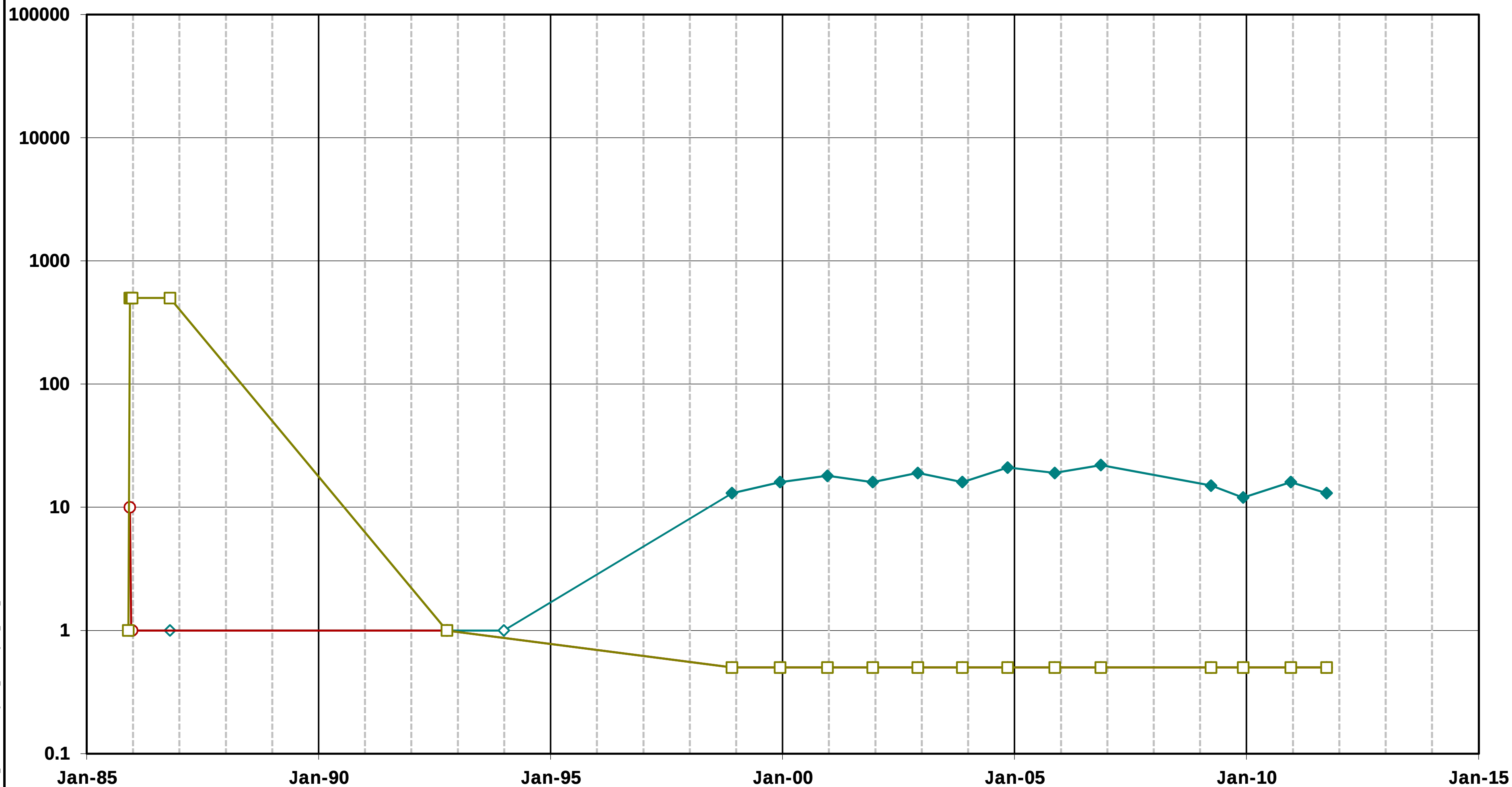
Chlorinated Ethenes in Groundwater
Well R22A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-56**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R22A_VOC.xls]Plot_R22A_VOC



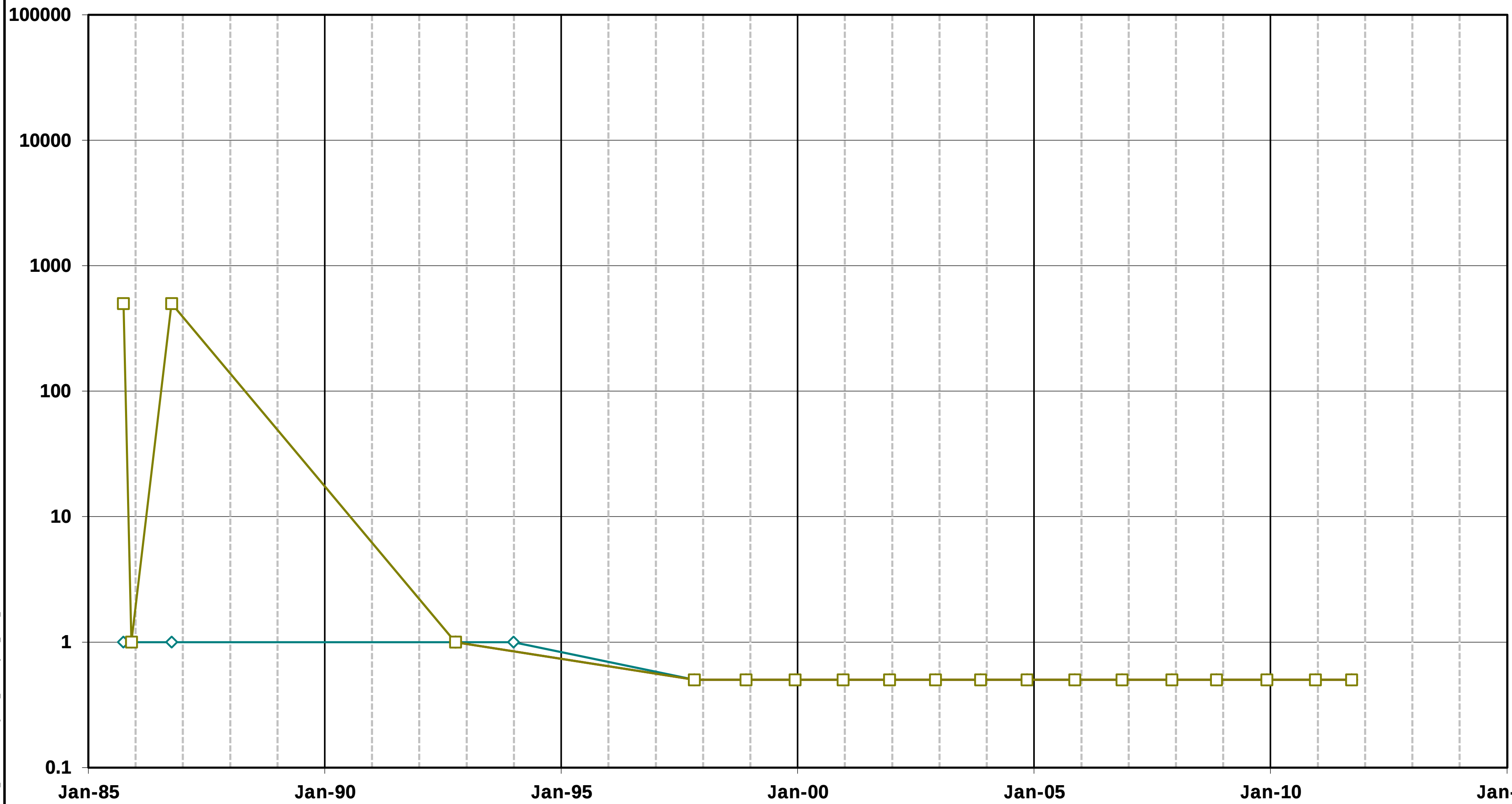
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R24A
MEW Regional Annual Report

Geosyntec consultants

Figure
D-57

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

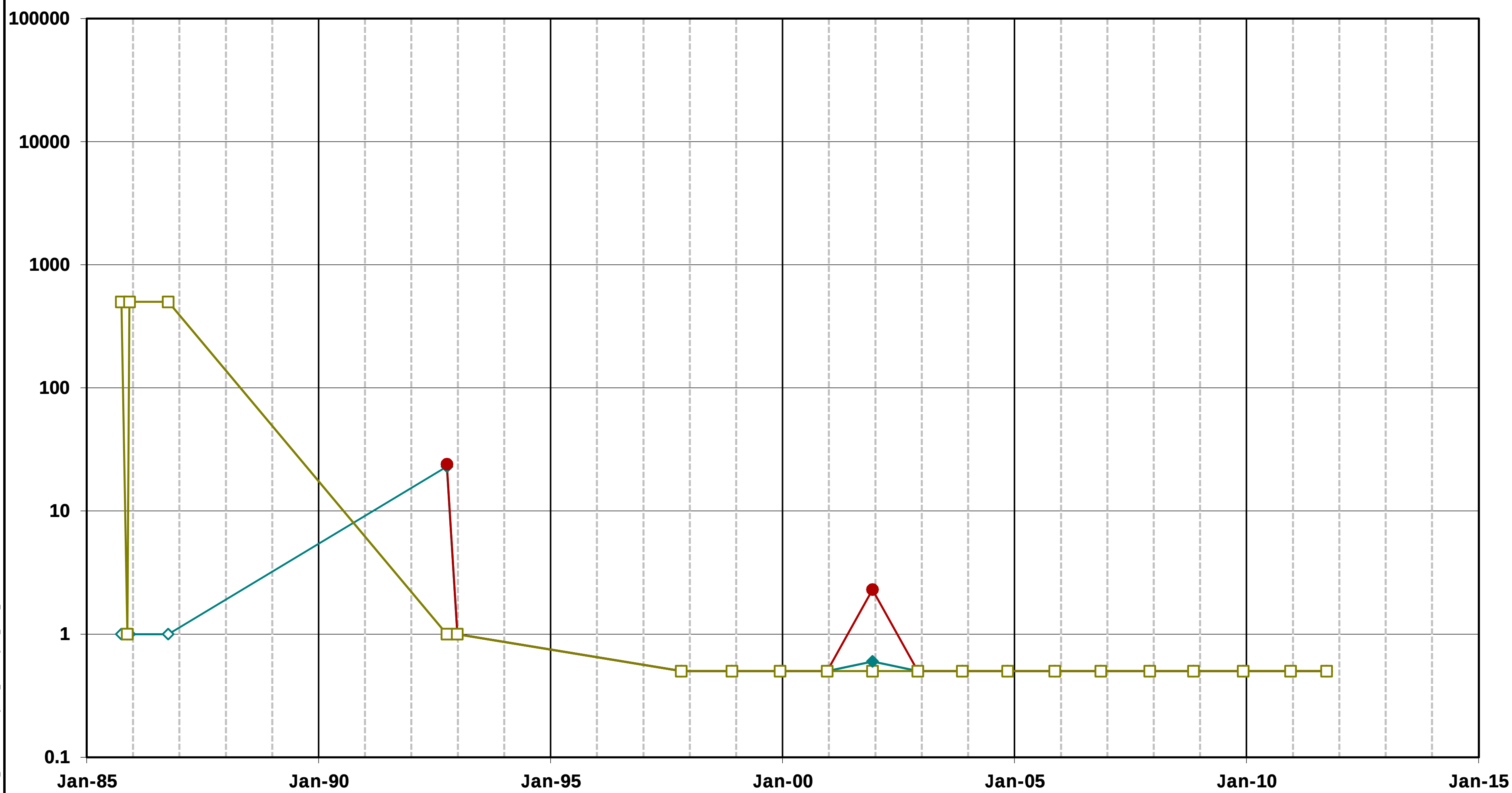
Chlorinated Ethenes in Groundwater
Well R25A
MEW Regional Annual Report

Geosyntec consultants

Figure

D-58

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

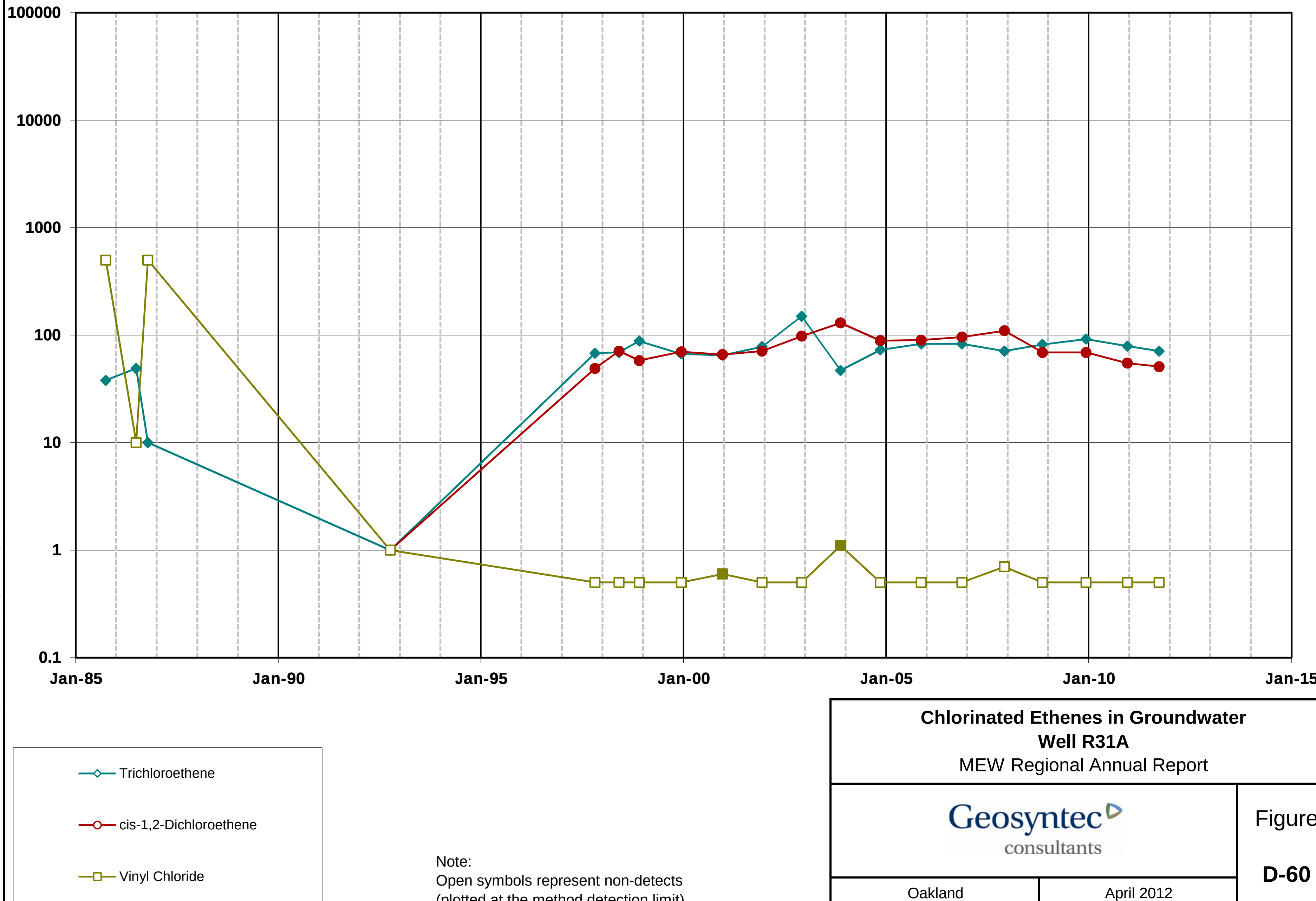
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R29A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-59**

Oakland	April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

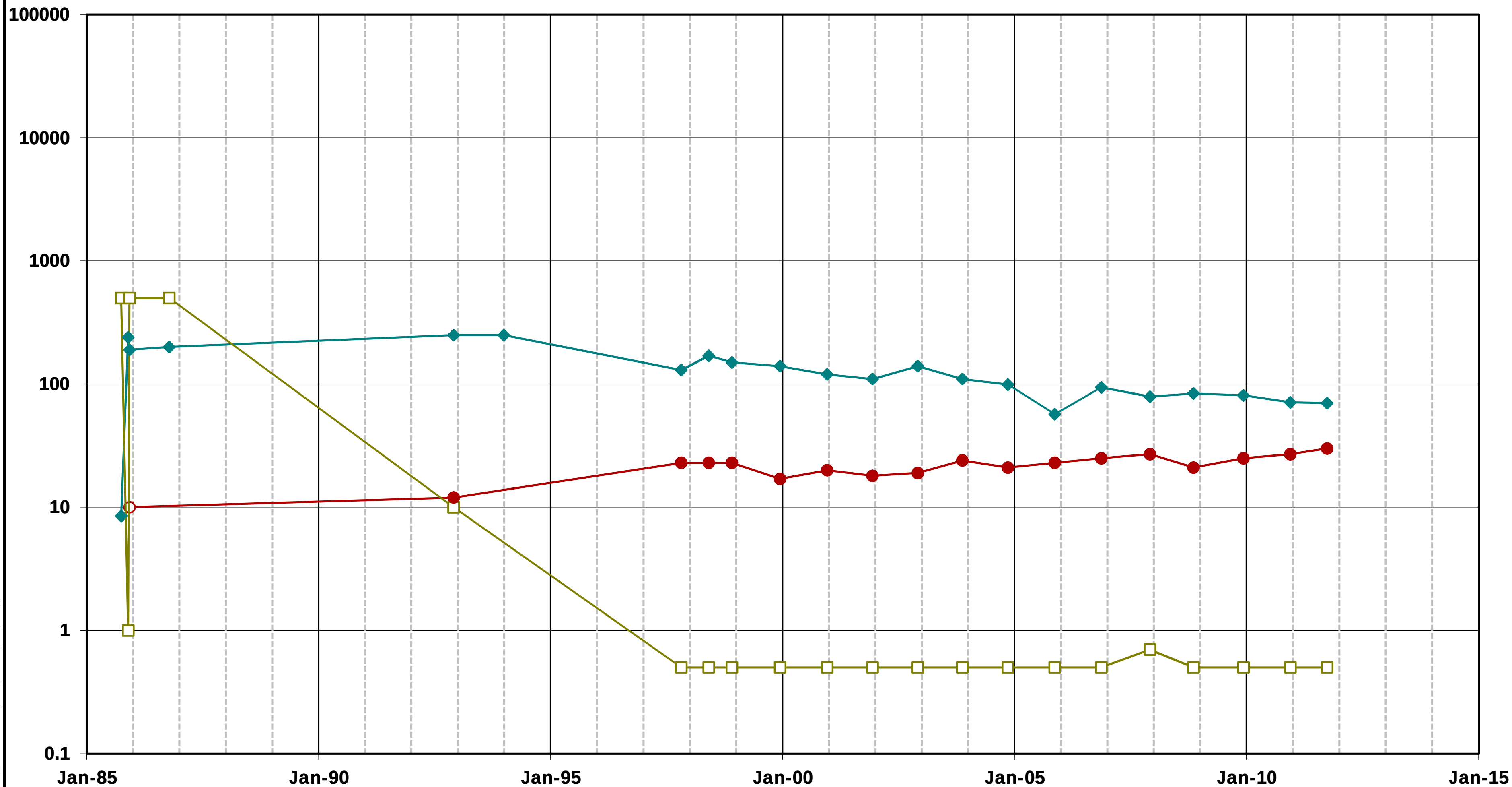
Chlorinated Ethenes in Groundwater
Well R31A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-60**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R31A_VOC.xls]Plot_R31A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R32A
MEW Regional Annual Report

Geosyntec consultants

Figure

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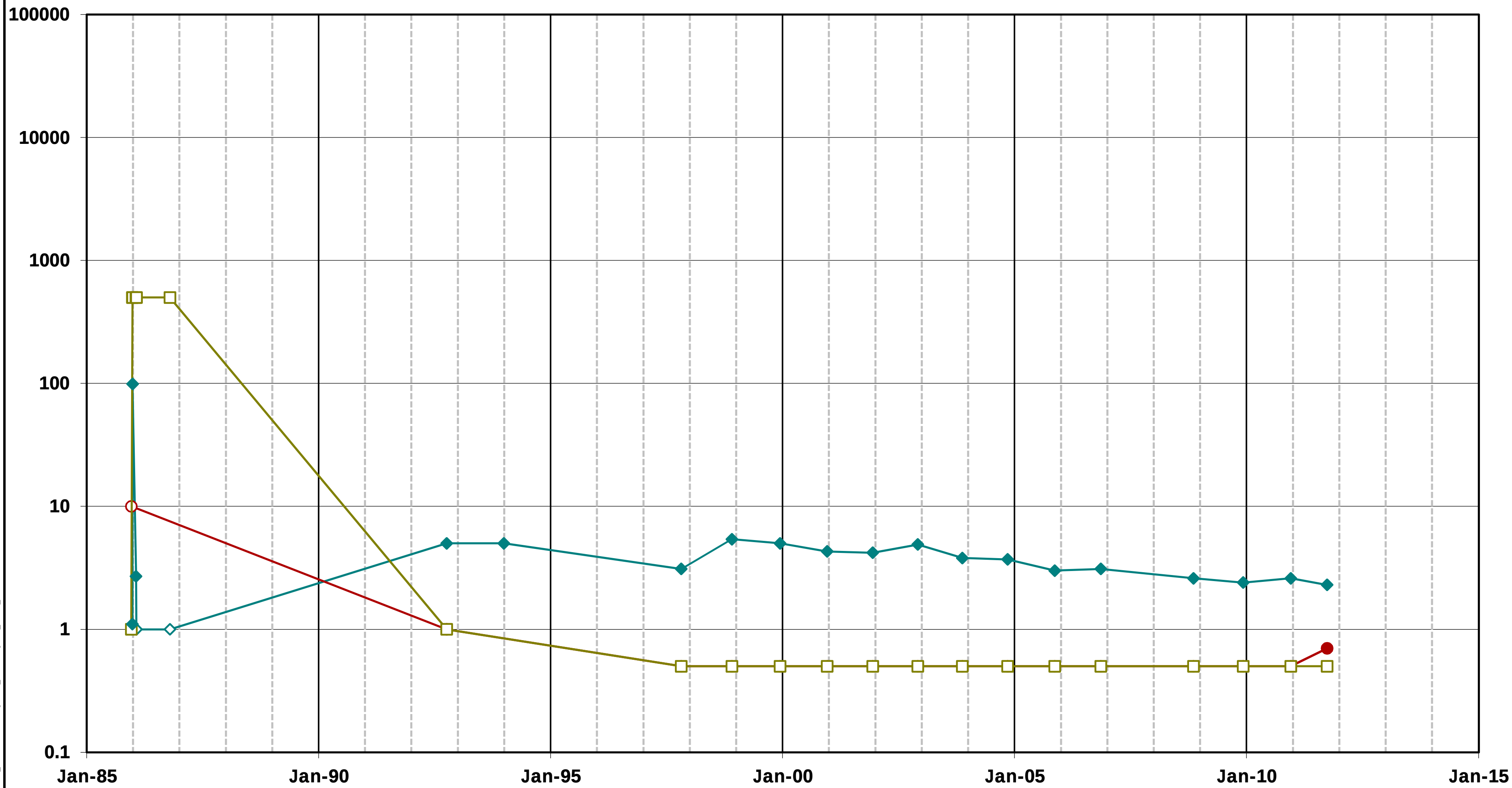
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R32A_VOC.xls]Plot_R32A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R43A
MEW Regional Annual Report

Geosyntec consultants

Figure
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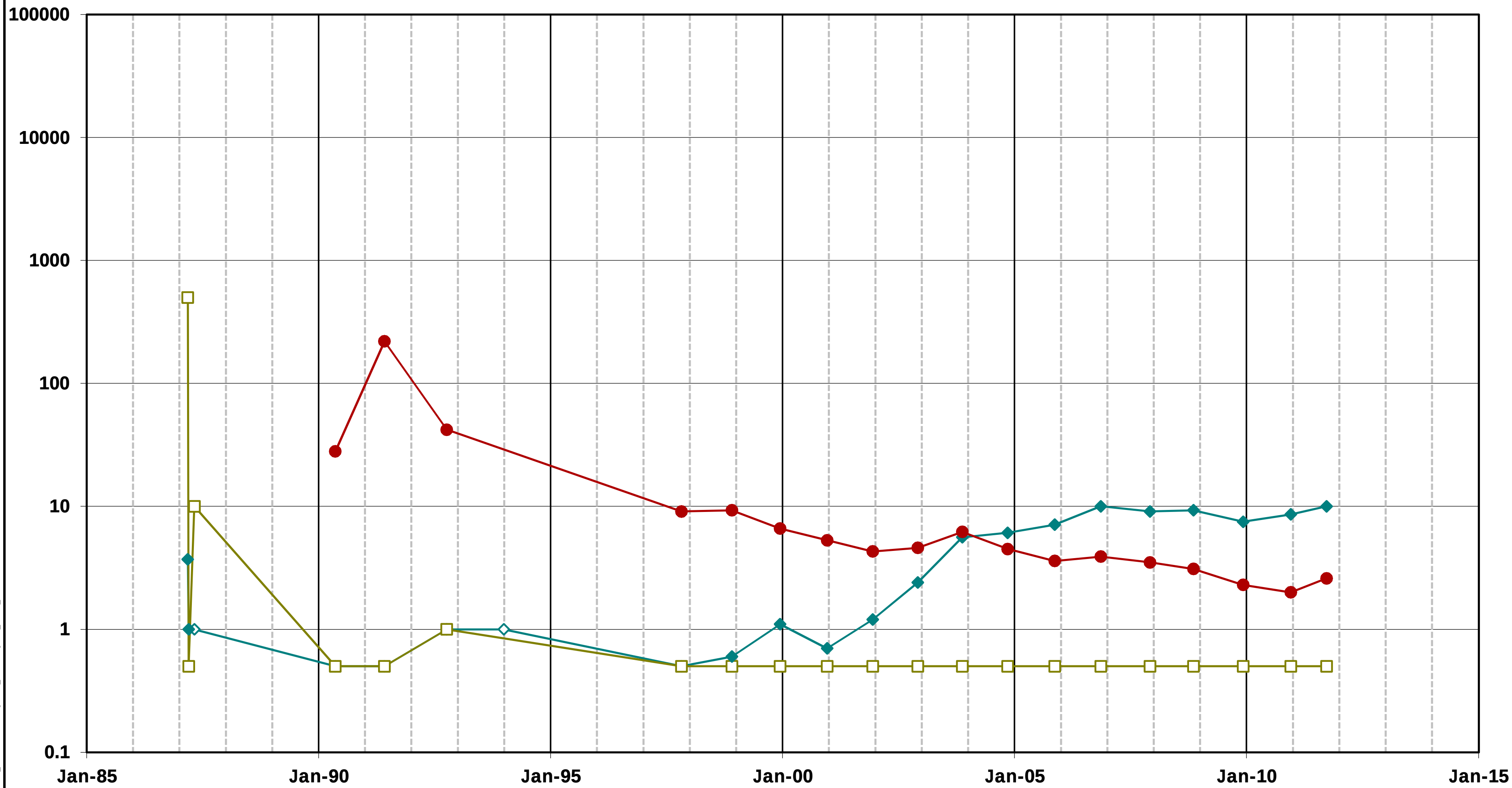
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R43A_VOC.xls]Plot_R43A_VOC



Trichloroethene

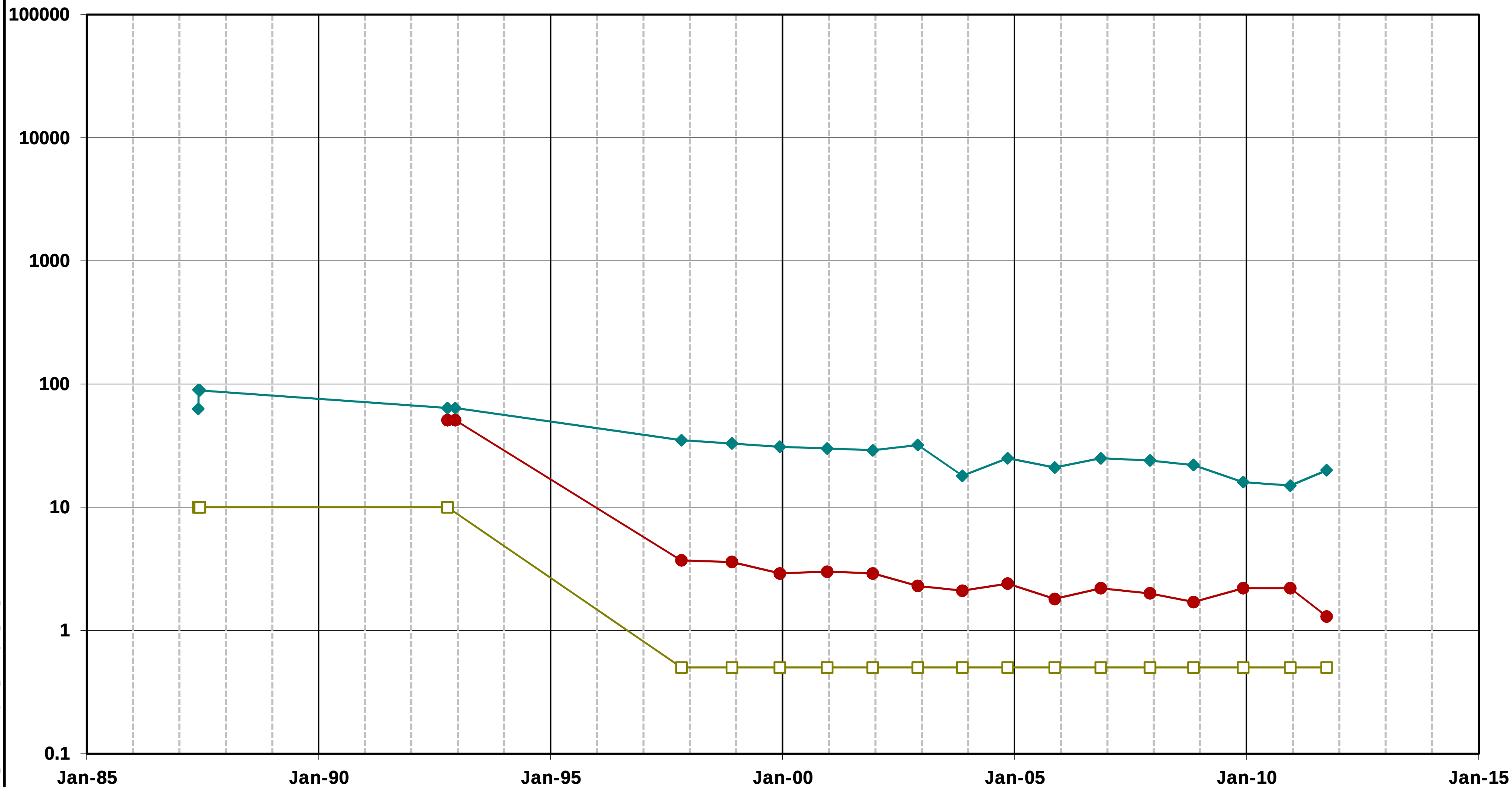
cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater Well R46A MEW Regional Annual Report		
Geosyntec consultants		Figure D-63
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R46A_VOC.xls]Plot_R46A_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

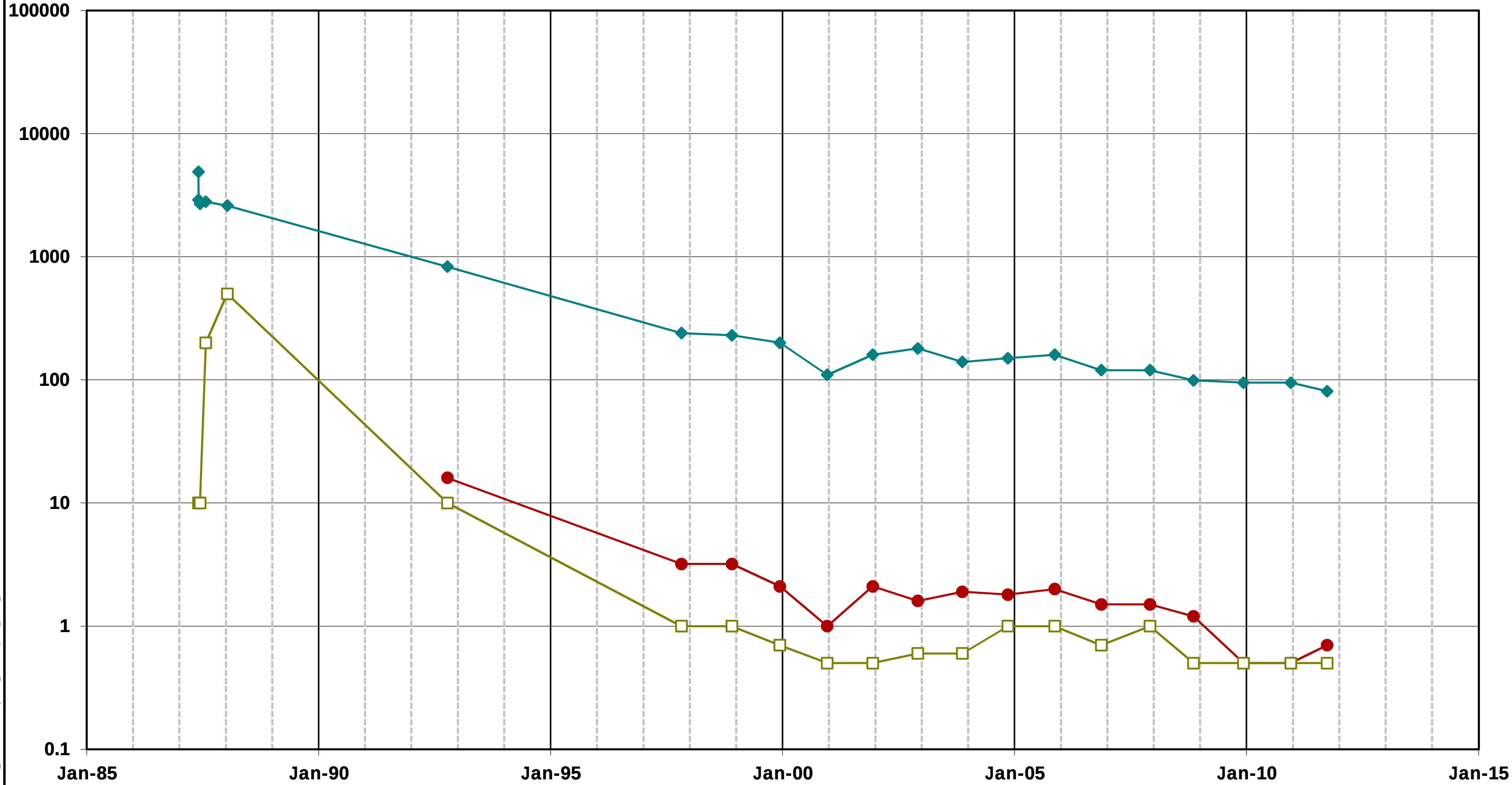
Chlorinated Ethenes in Groundwater
Well R57A
MEW Regional Annual Report

Geosyntec consultants

Figure

D-64

Oakland	April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R59A
MEW Regional Annual Report

Geosyntec consultants

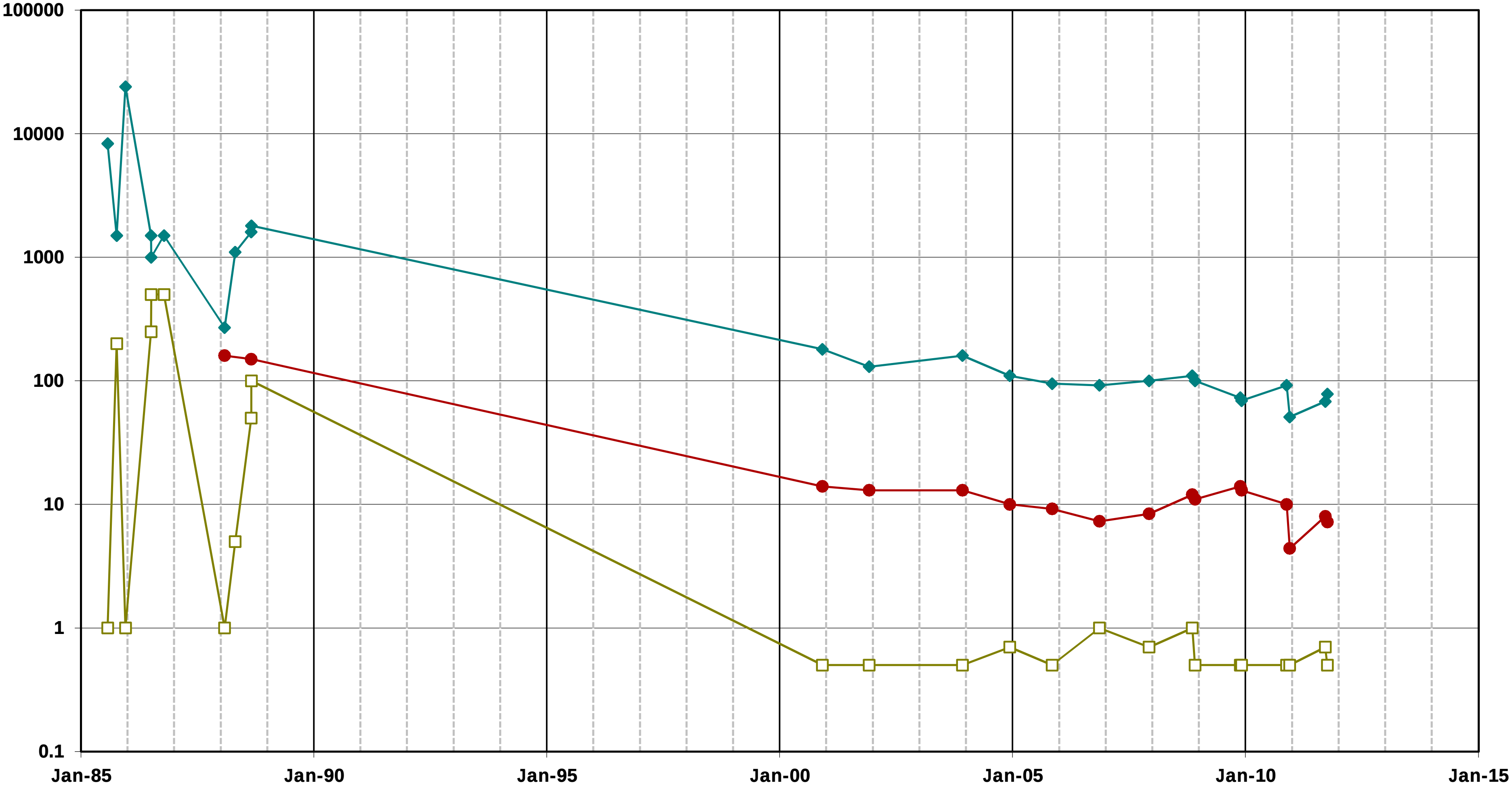
Figure

D-65

Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R59A_VOC.xls]Plot_R59A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

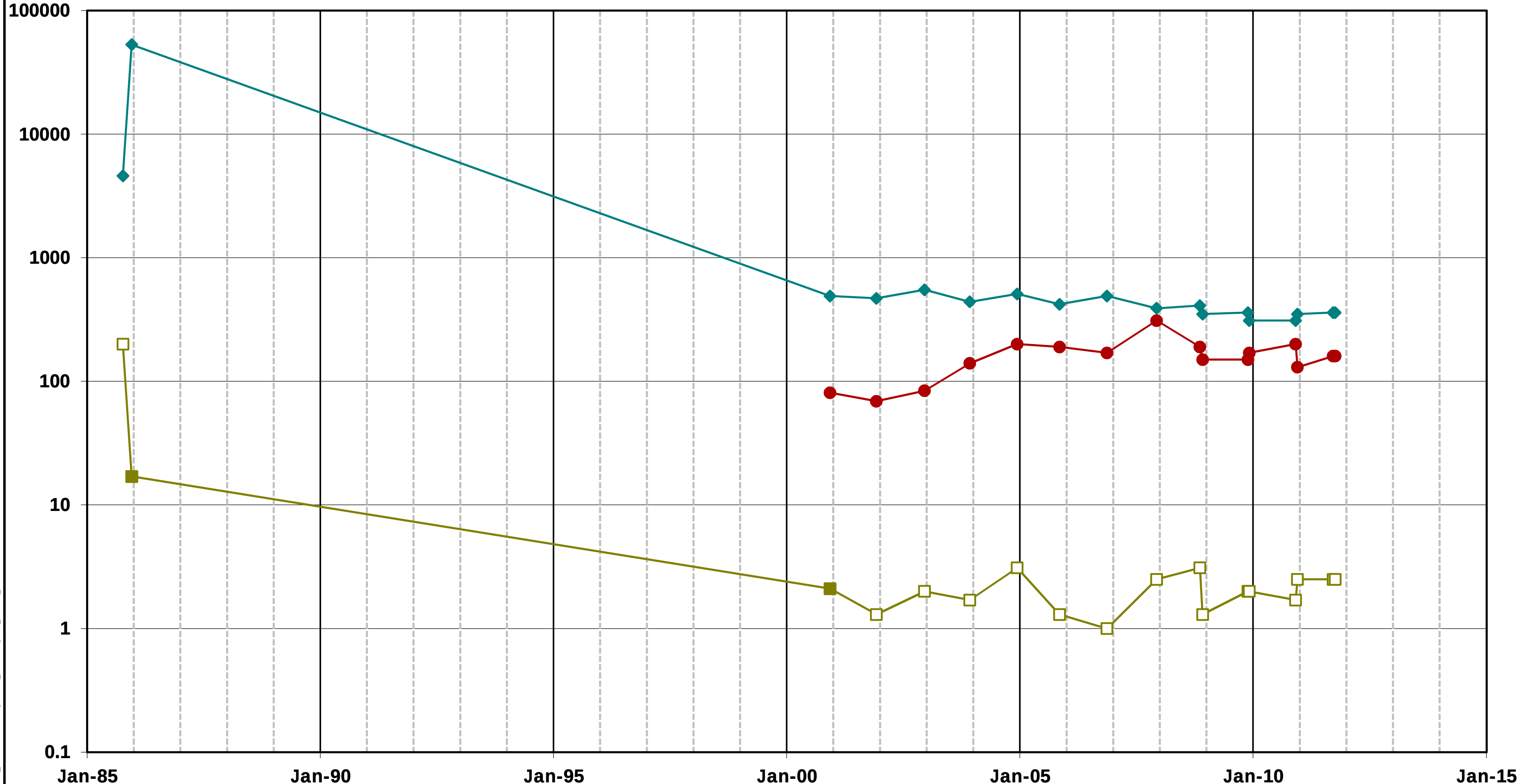
Chlorinated Ethenes in Groundwater
Well SIL4A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-66**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[SIL4A_VOC.xls]Plot_SIL4A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

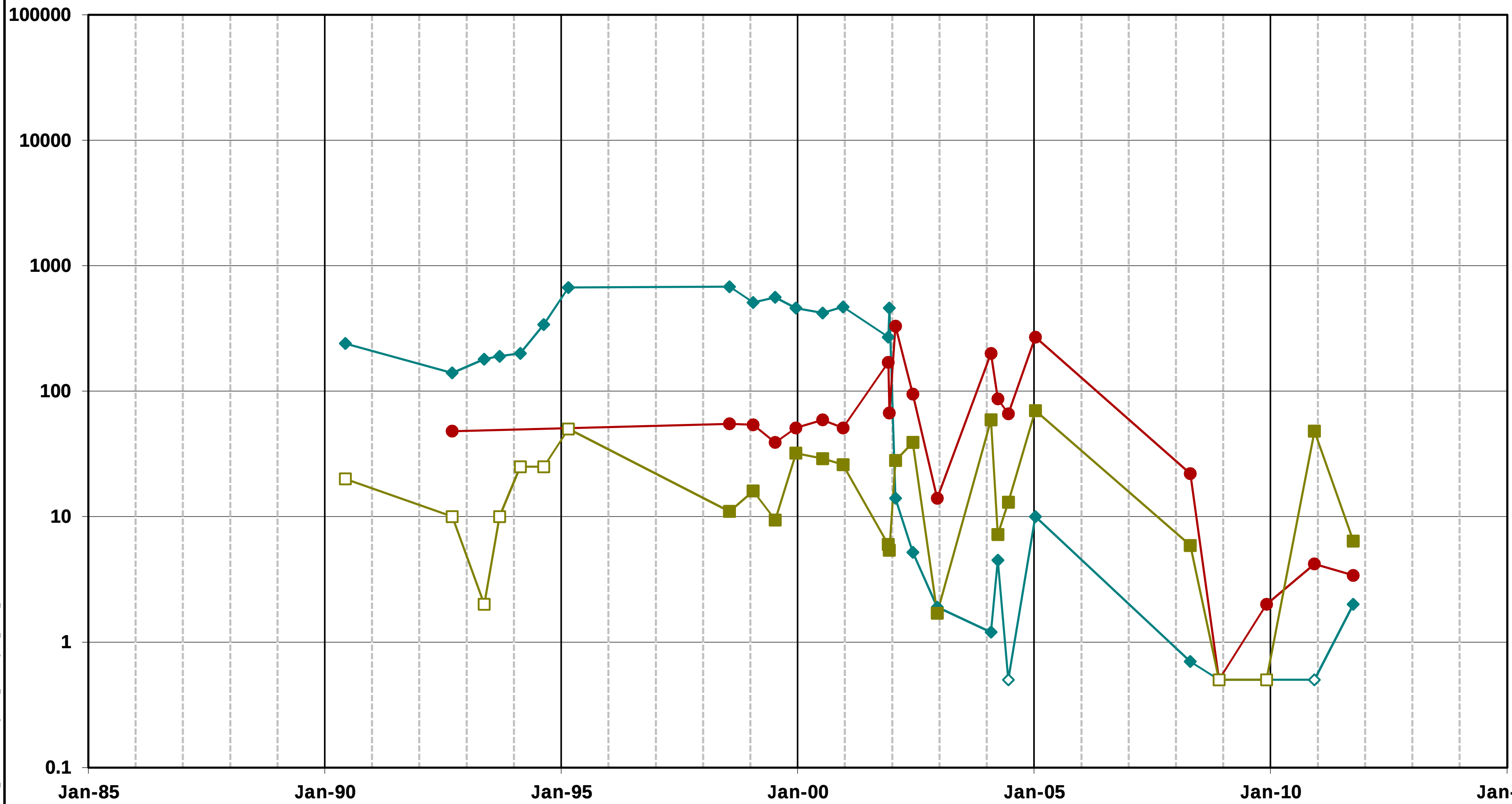
Chlorinated Ethenes in Groundwater
Well SIL12A
MEW Regional Annual Report

Geosyntec consultants

Figure **D-67**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[SIL12A_VOC.xls]Plot_SIL12A_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

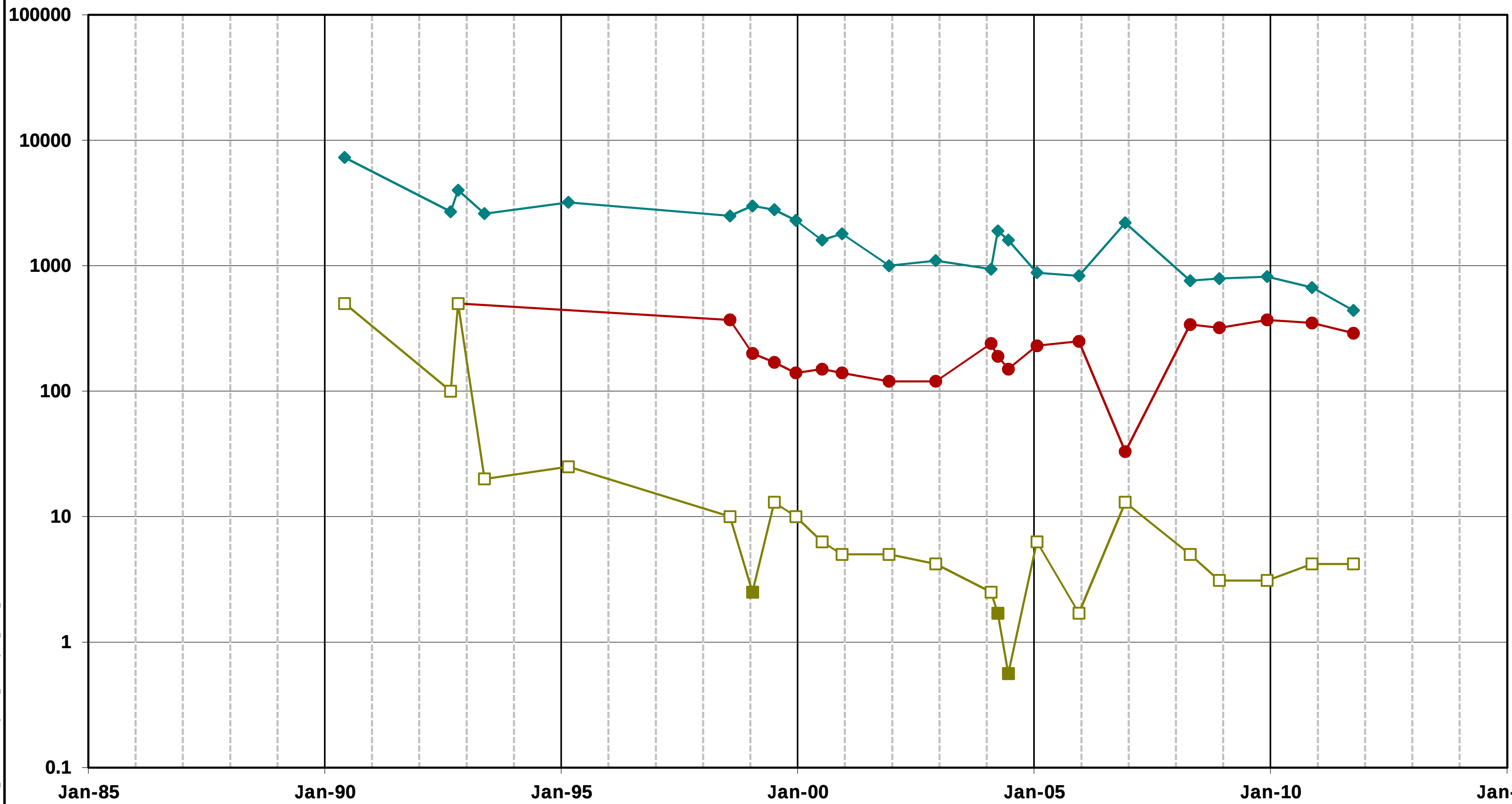
Chlorinated Ethenes in Groundwater
Well W9-16
MEW Regional Annual Report

Geosyntec consultants

Figure **D-68**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W9-16_VOC.xls]Plot_W9-16_VOC



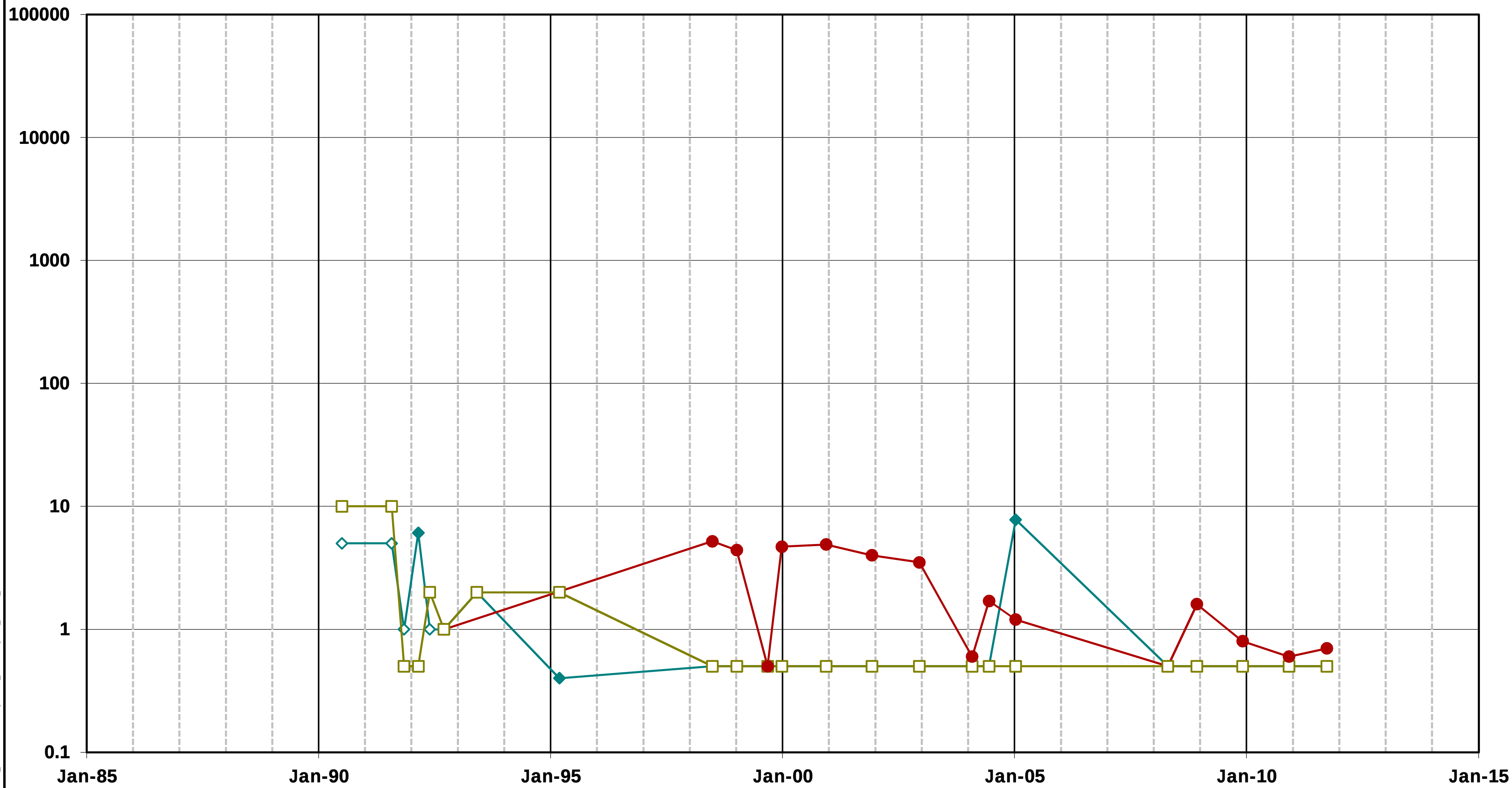
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W9-38_VOC.xls]Plot_W9-38_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W9-38
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure D-69



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

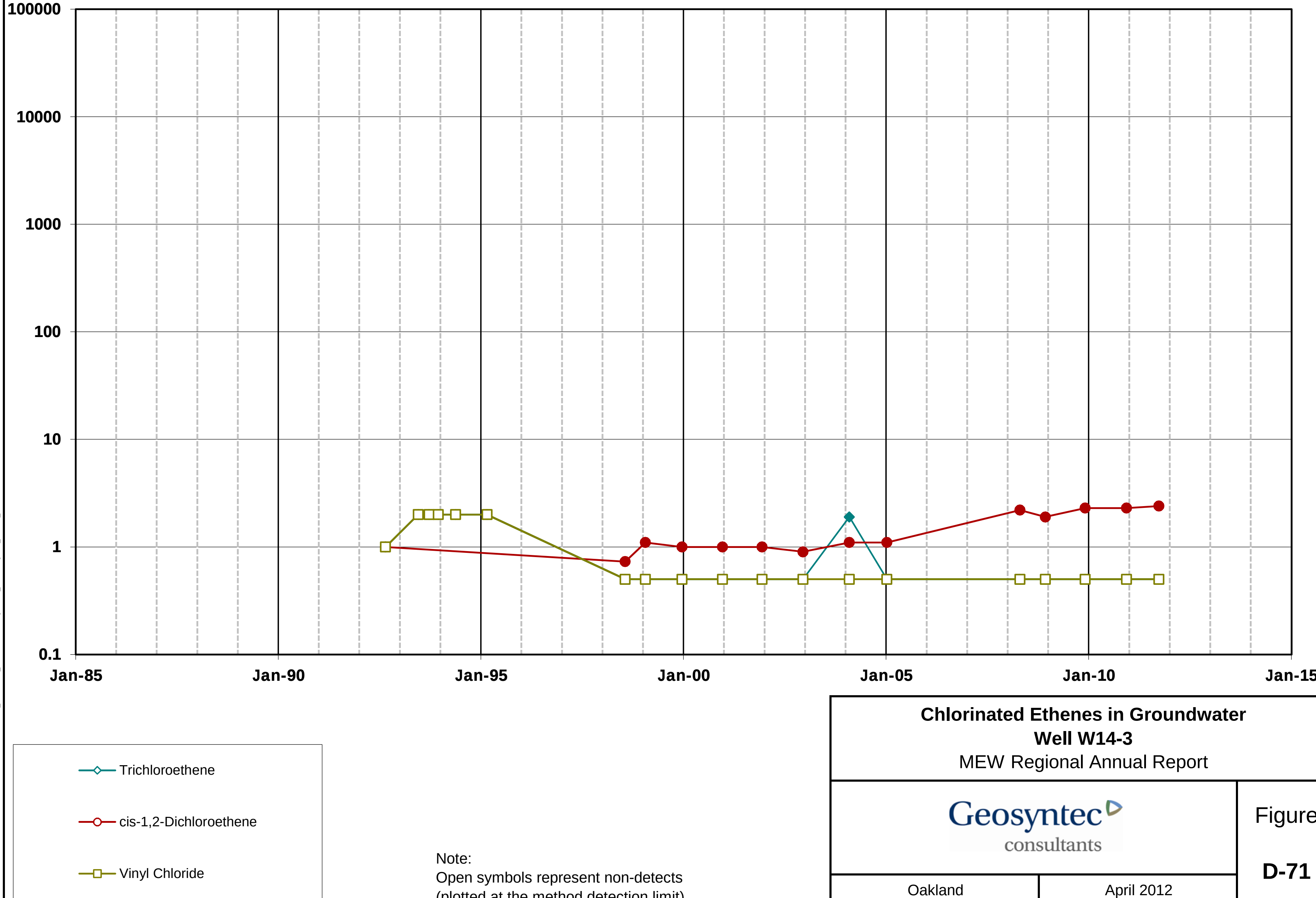
Chlorinated Ethenes in Groundwater
Well W12-6
MEW Regional Annual Report

Geosyntec consultants

Figure **D-70**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W12-6_VOC.xls]Plot_W12-6_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W14-3_VOC.xls]Plot_W14-3_VOC

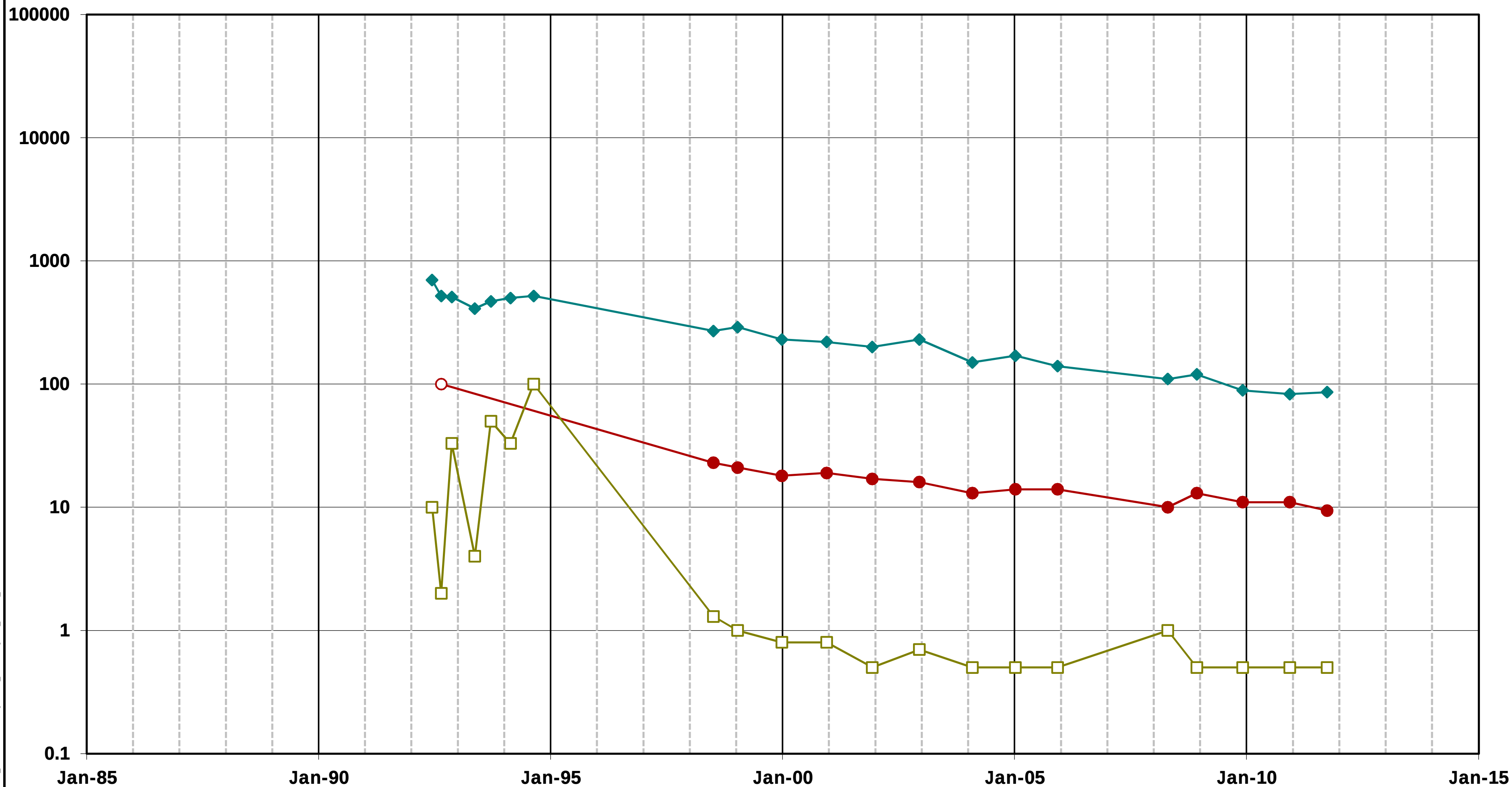
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W14-3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-71**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

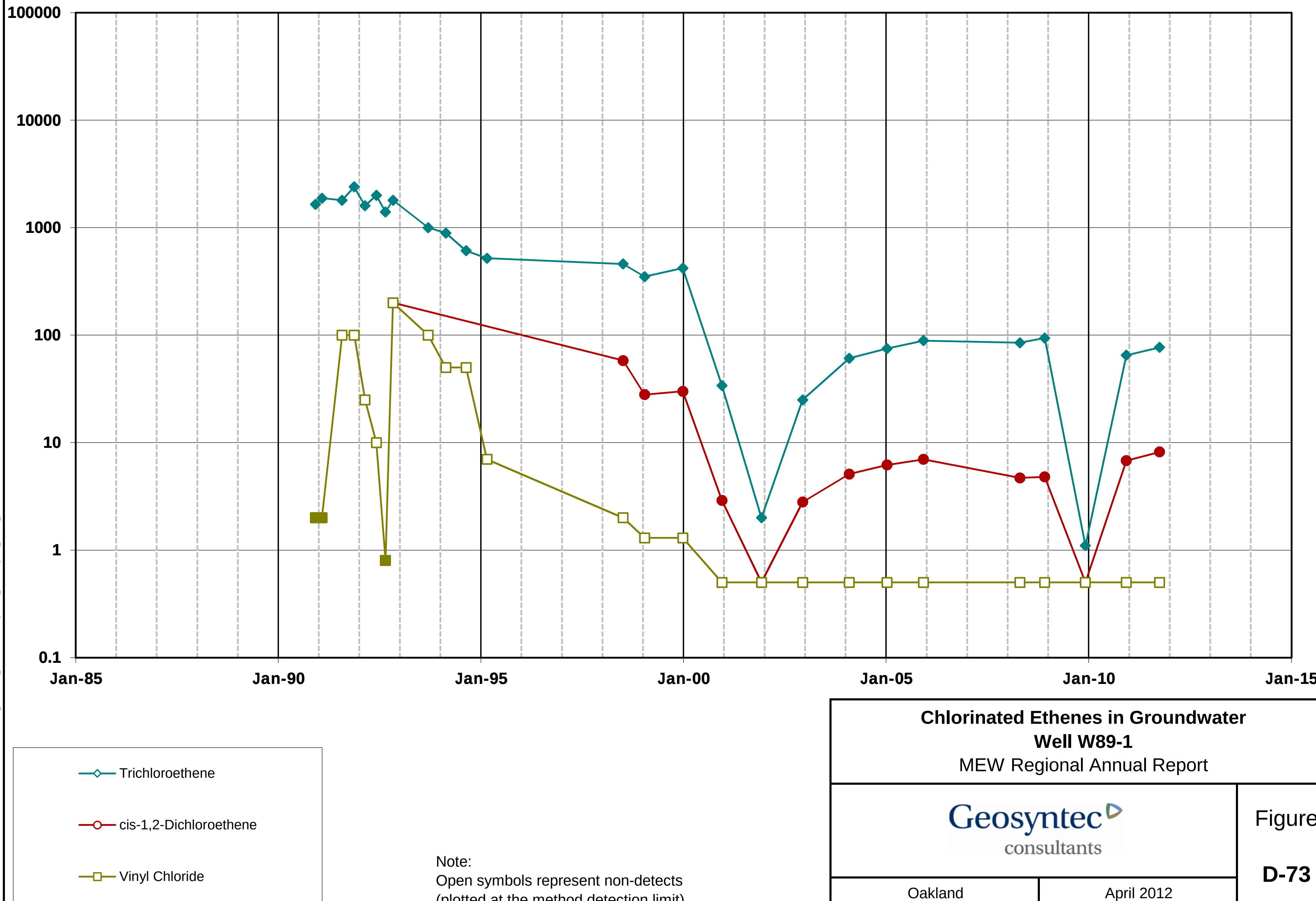
Chlorinated Ethenes in Groundwater
Well W60-2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-72**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W60-2_VOC.xls]Plot_W60-2_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

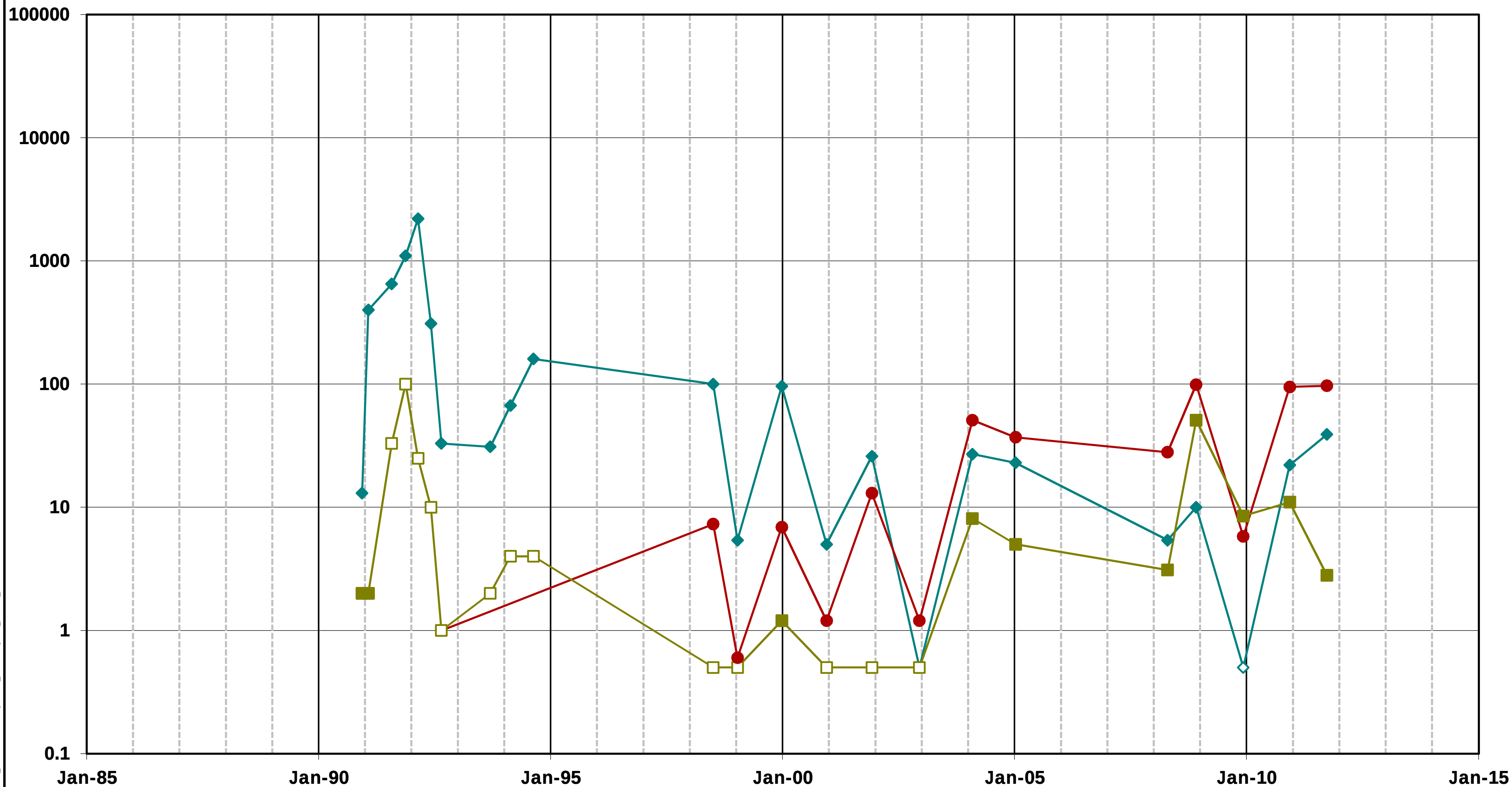
Chlorinated Ethenes in Groundwater
Well W89-1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-73**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-1_VOC.xls]Plot_W89-1_VOC



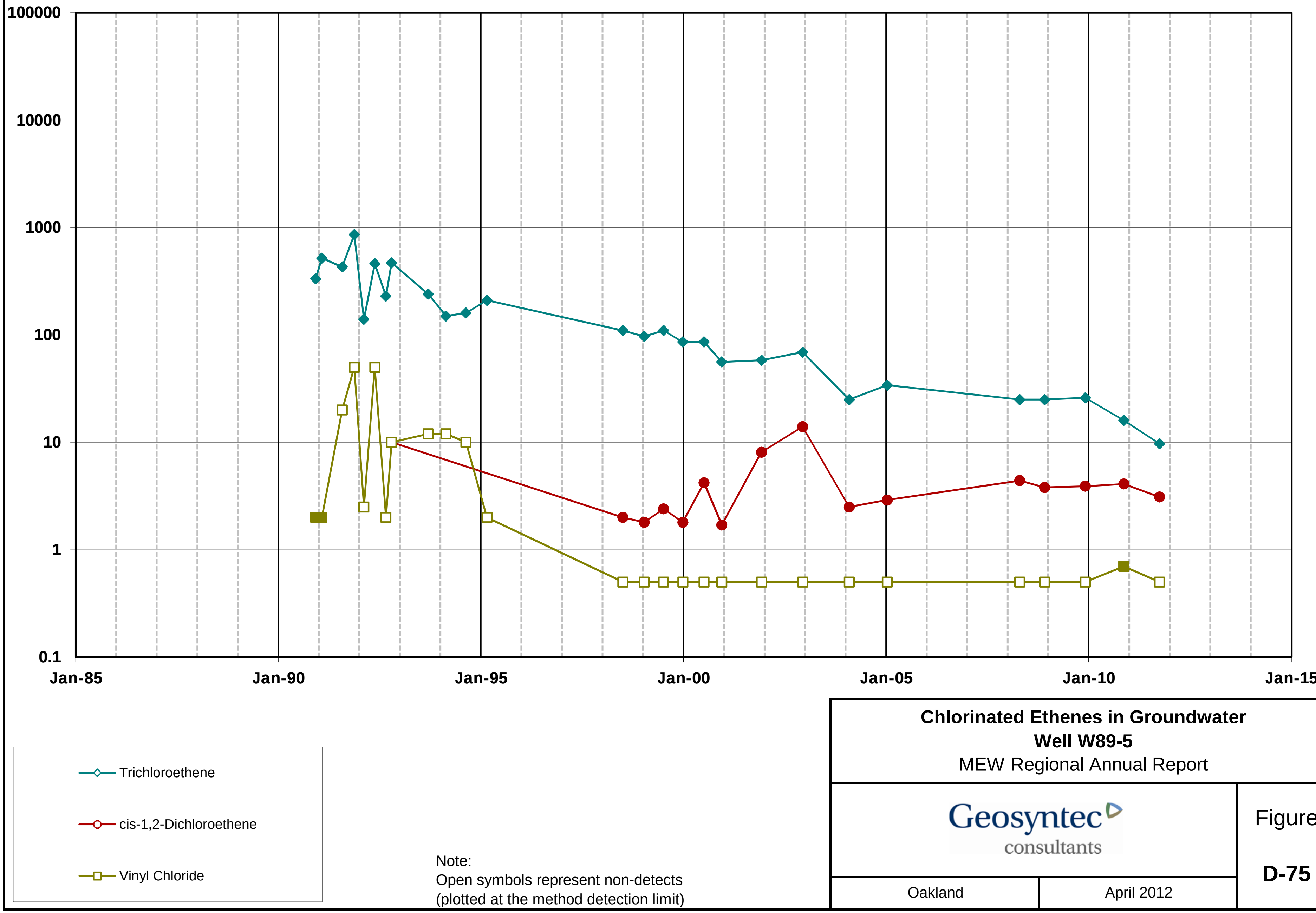
Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater Well W89-2 MEW Regional Annual Report		
Geosyntec consultants		Figure D-74
Oakland	April 2012	



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

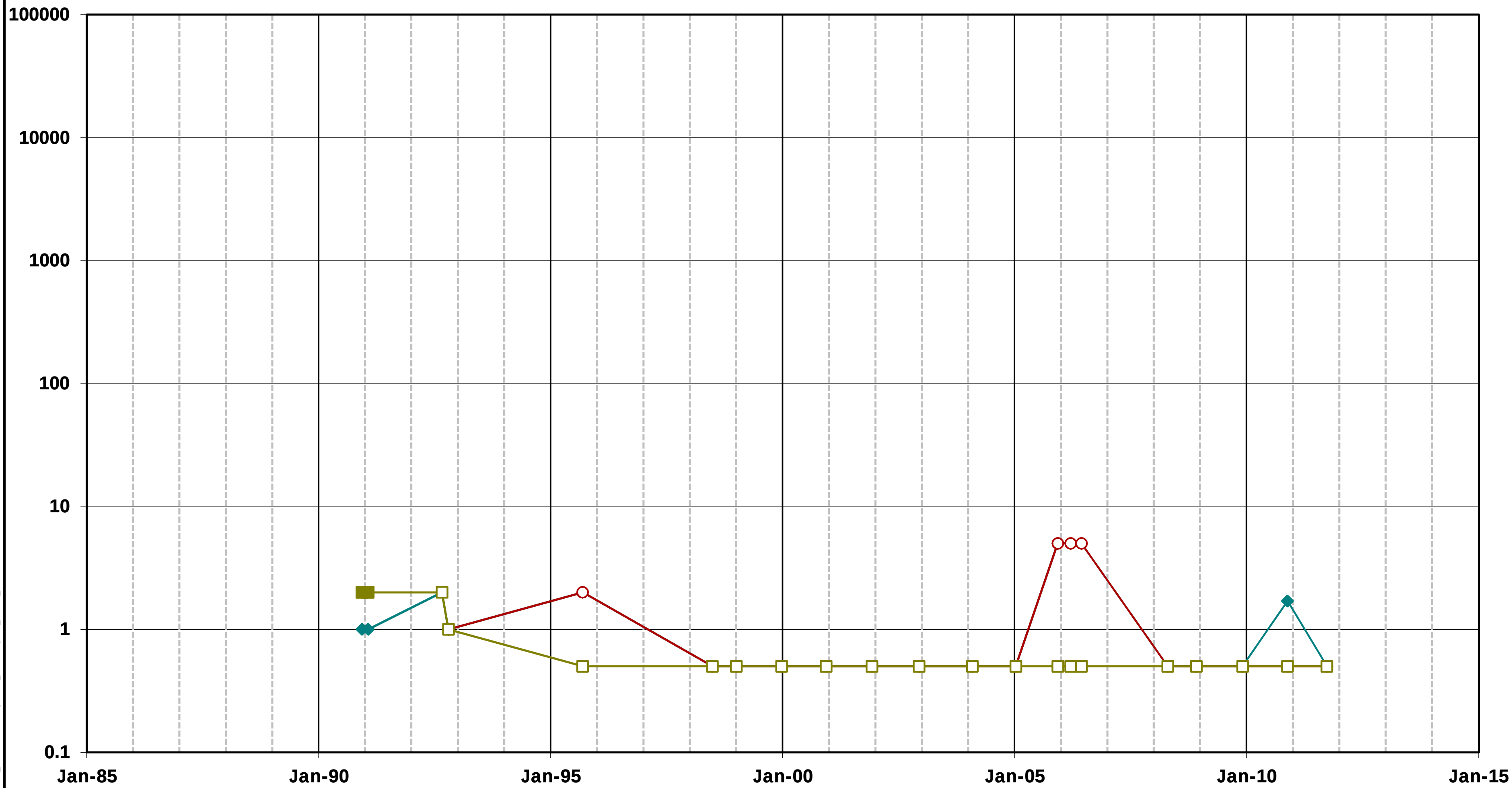
Chlorinated Ethenes in Groundwater
Well W89-5
MEW Regional Annual Report

Geosyntec consultants

Figure **D-75**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-5_VOC.xls]Plot_W89-5_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

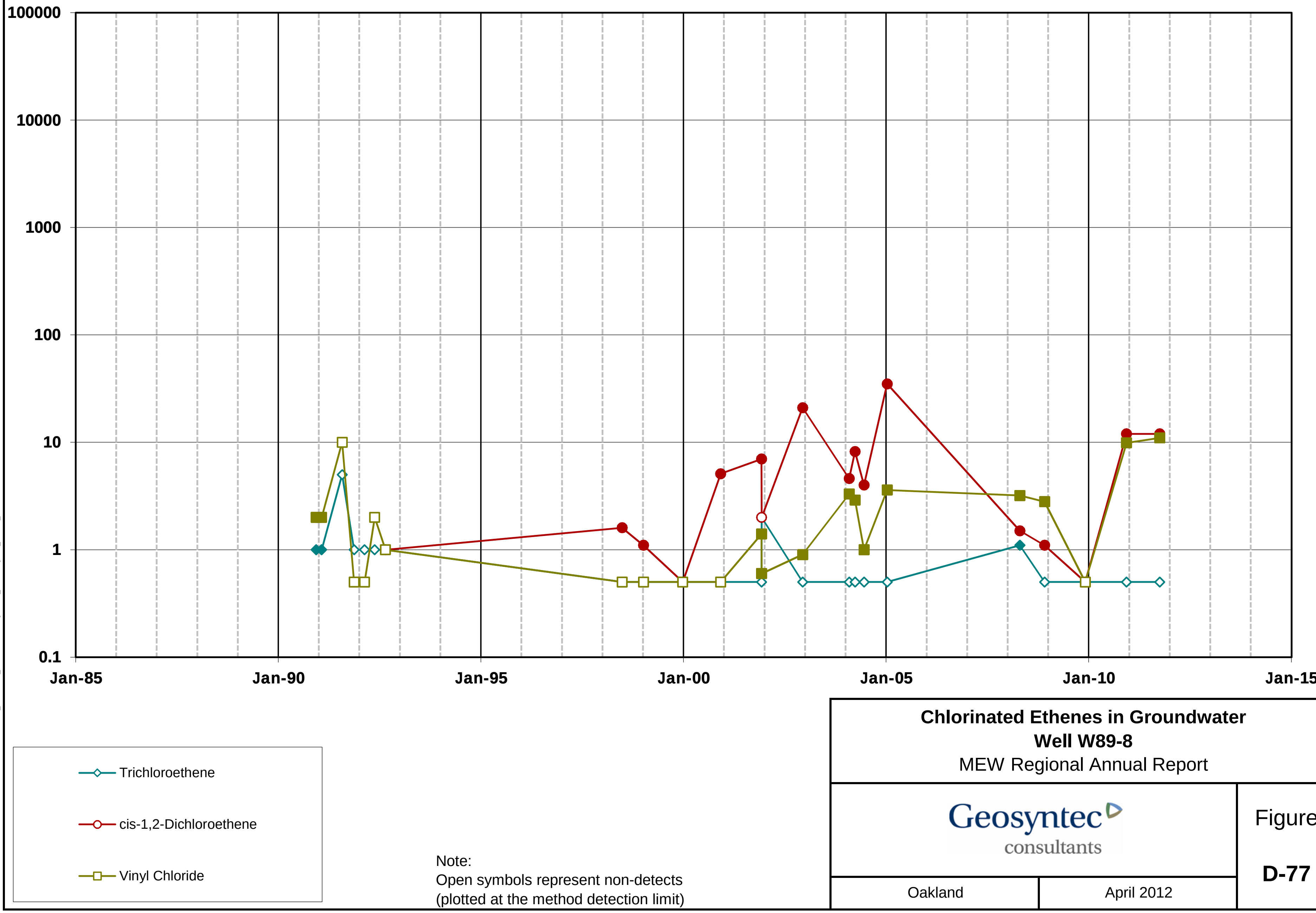
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W89-7
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-76**

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-7_VOC.xls]Plot_W89-7_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

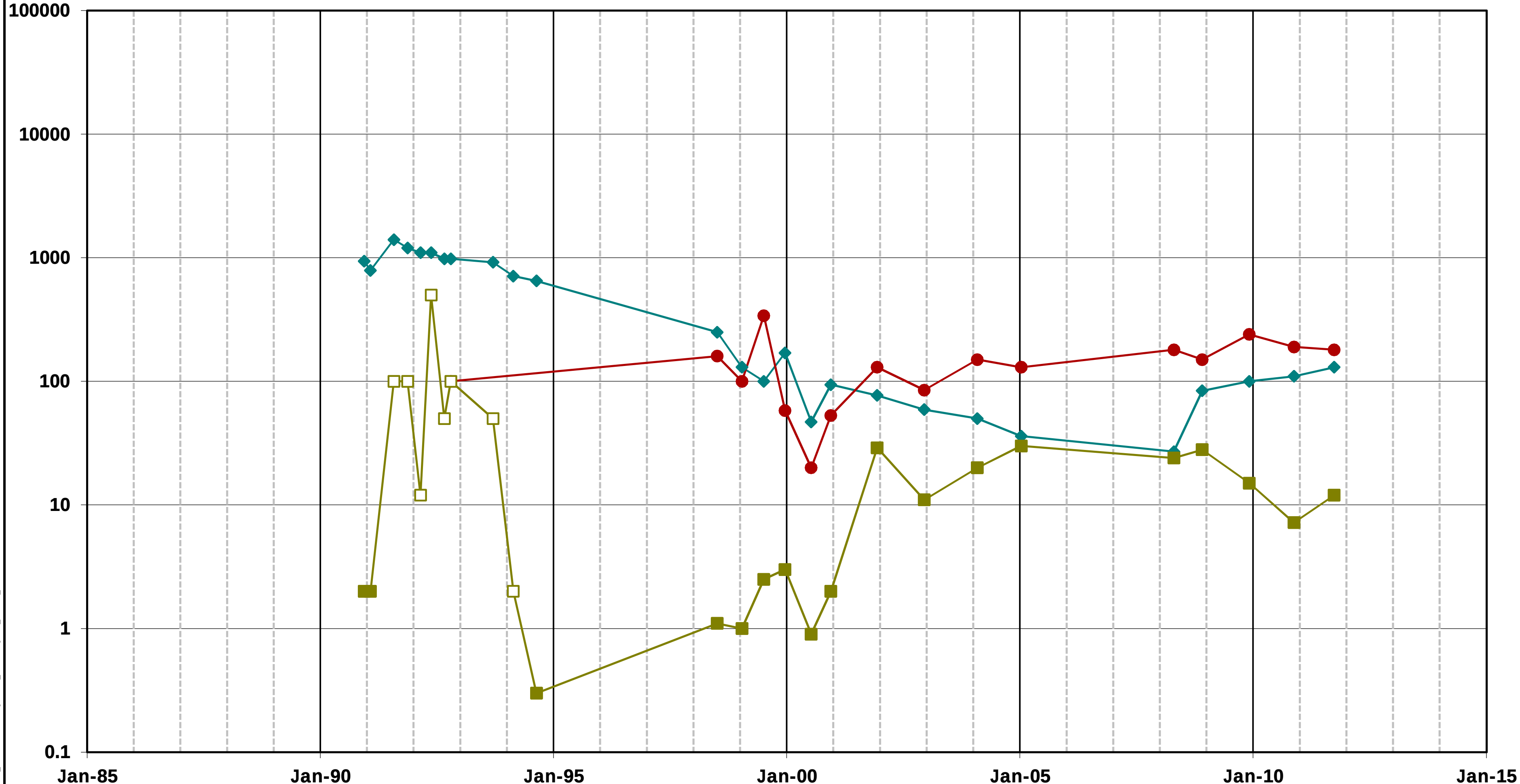
Chlorinated Ethenes in Groundwater
Well W89-8
MEW Regional Annual Report

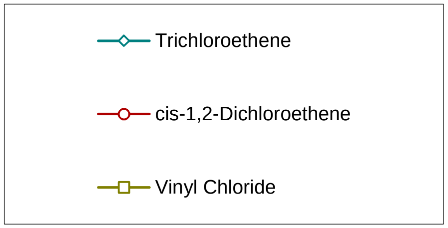
Geosyntec consultants

Figure
D-77

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-8_VOC.xls]Plot_W89-8_VOC





Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W89-9
MEW Regional Annual Report

Geosyntec consultants

Figure
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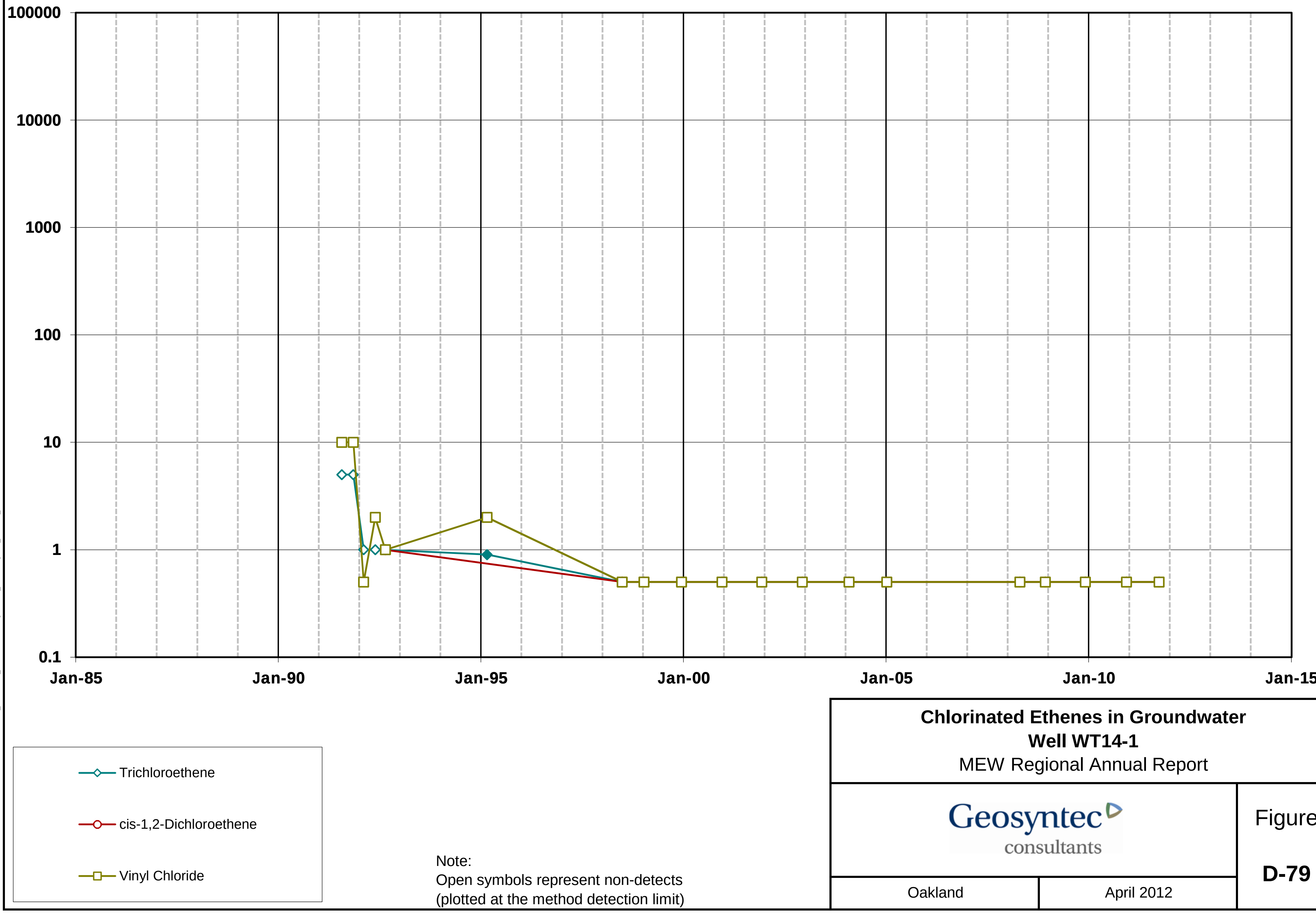
Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-9_VOC.xls]Plot_W89-9_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WT14-1_VOC.xls]Plot_WT14-1_VOC

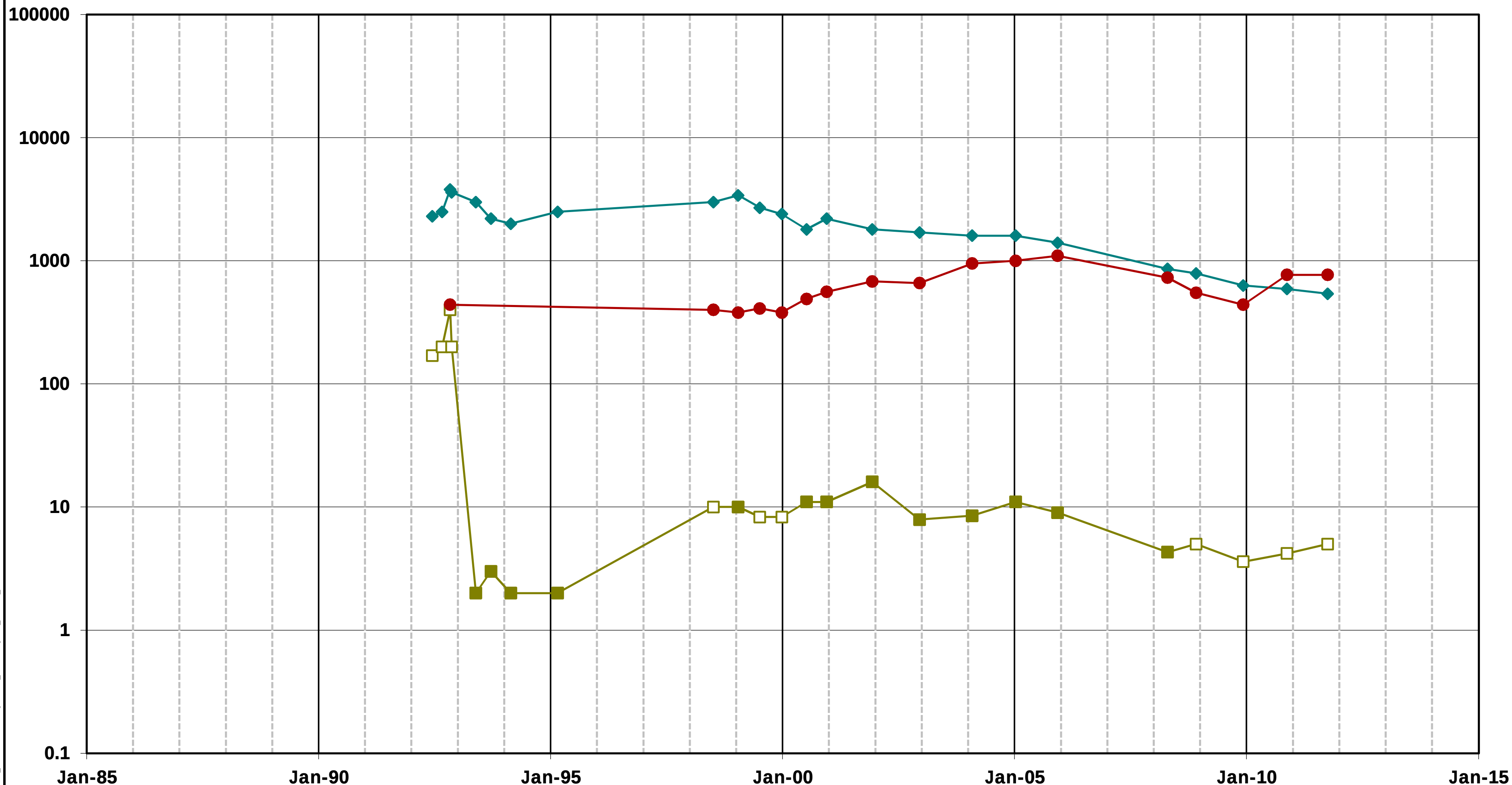
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well WT14-1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-79**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

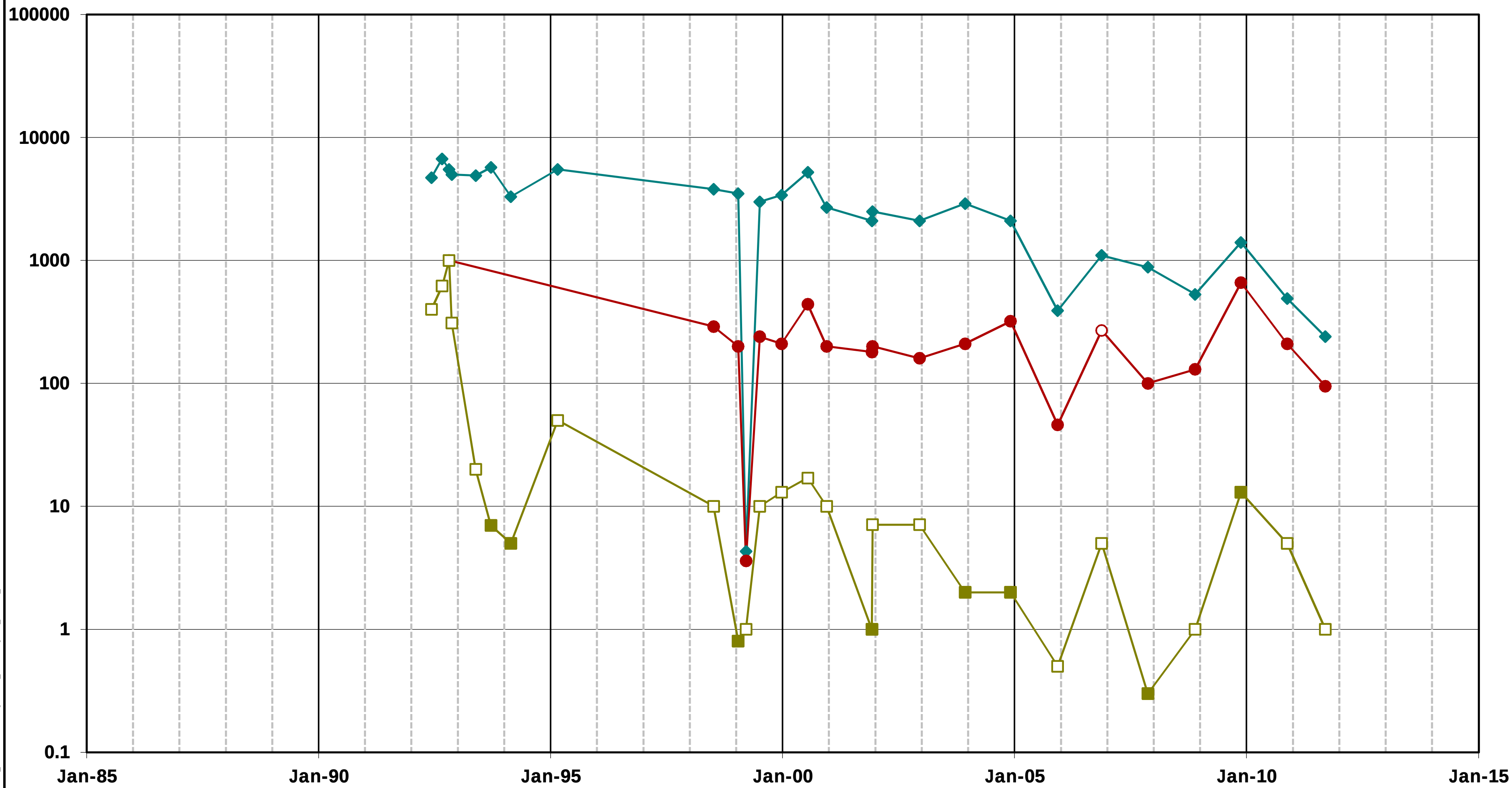
Chlorinated Ethenes in Groundwater
Well WU4-1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-80**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-1_VOC.xls]Plot_WU4-1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

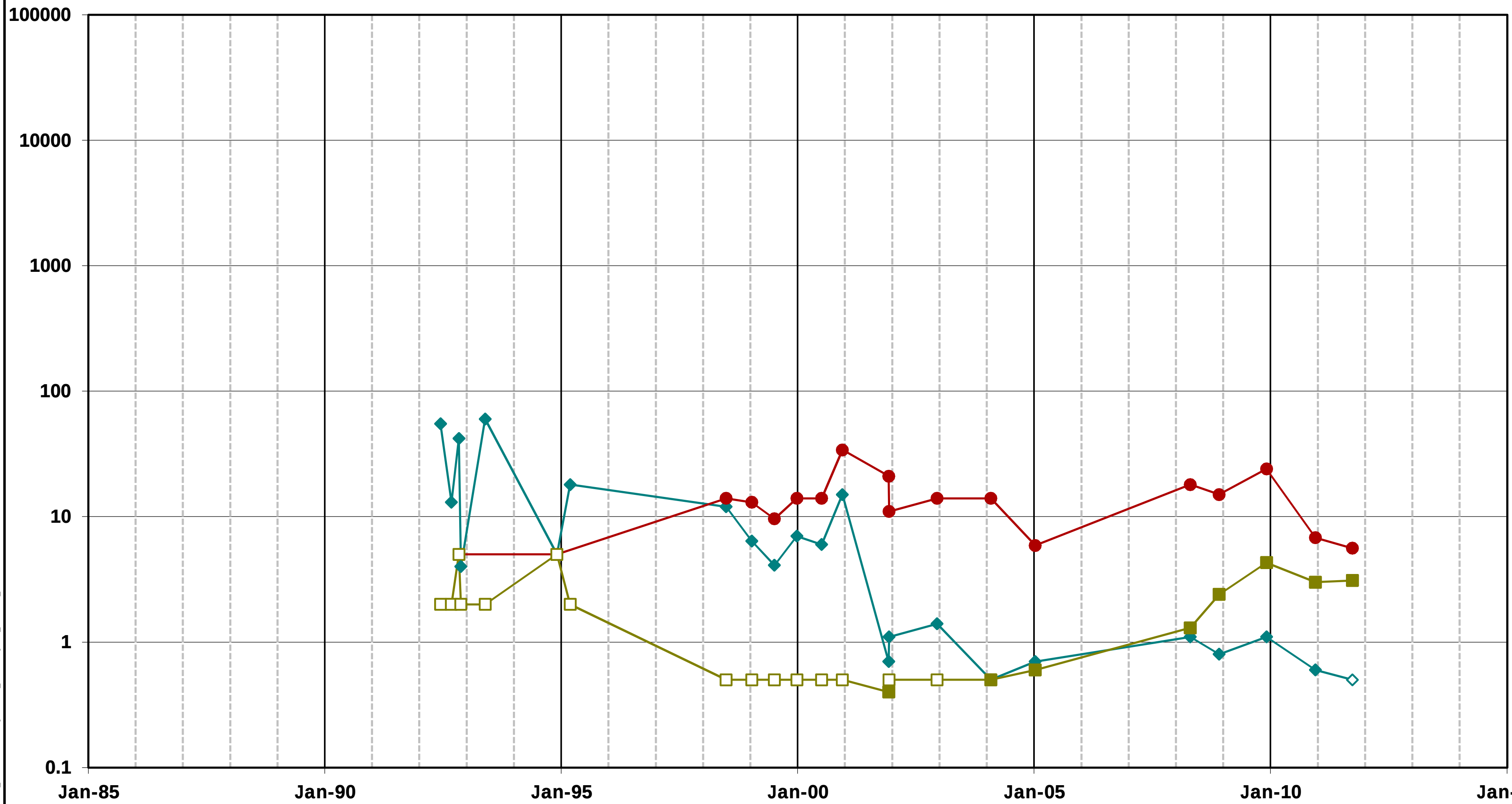
Chlorinated Ethenes in Groundwater
Well WU4-3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-81**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-3_VOC.xls]Plot_WU4-3_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

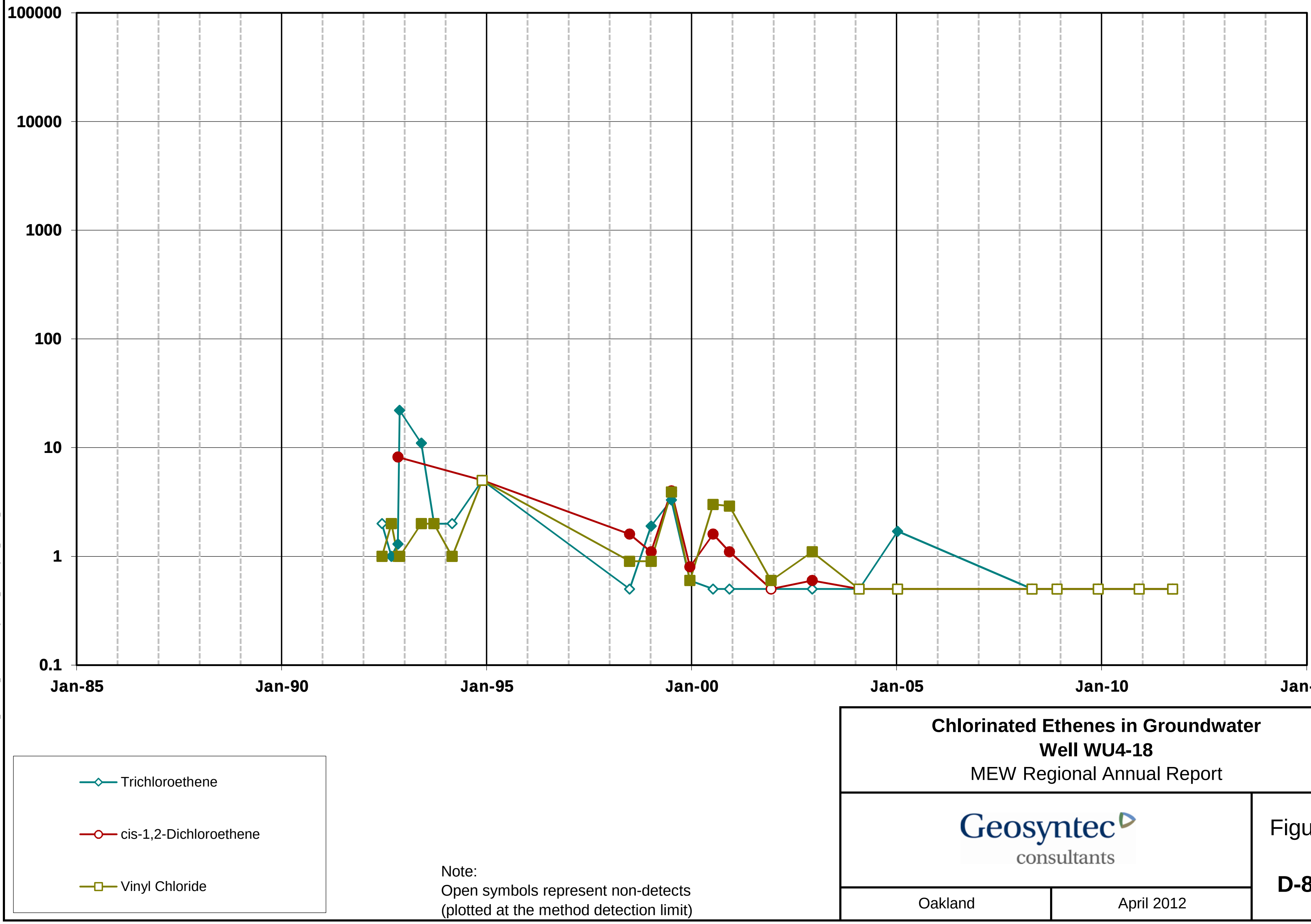
Chlorinated Ethenes in Groundwater
Well WU4-16
MEW Regional Annual Report

Geosyntec consultants

Figure **D-82**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-16_VOC.xls]Plot_WU4-16_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well WU4-18
MEW Regional Annual Report

Geosyntec consultants

Figure
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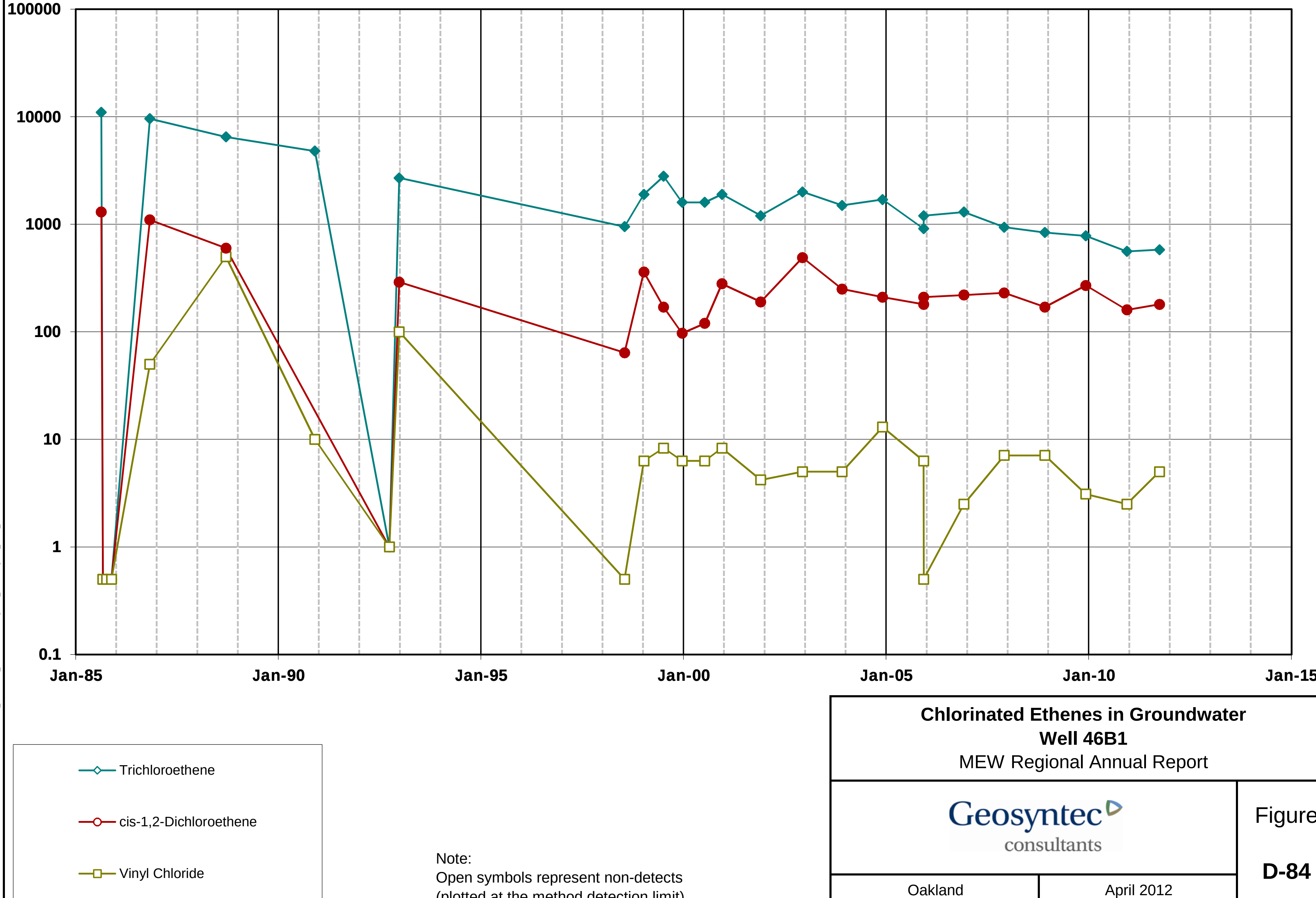
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-18_VOC.xls]Plot_WU4-18_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

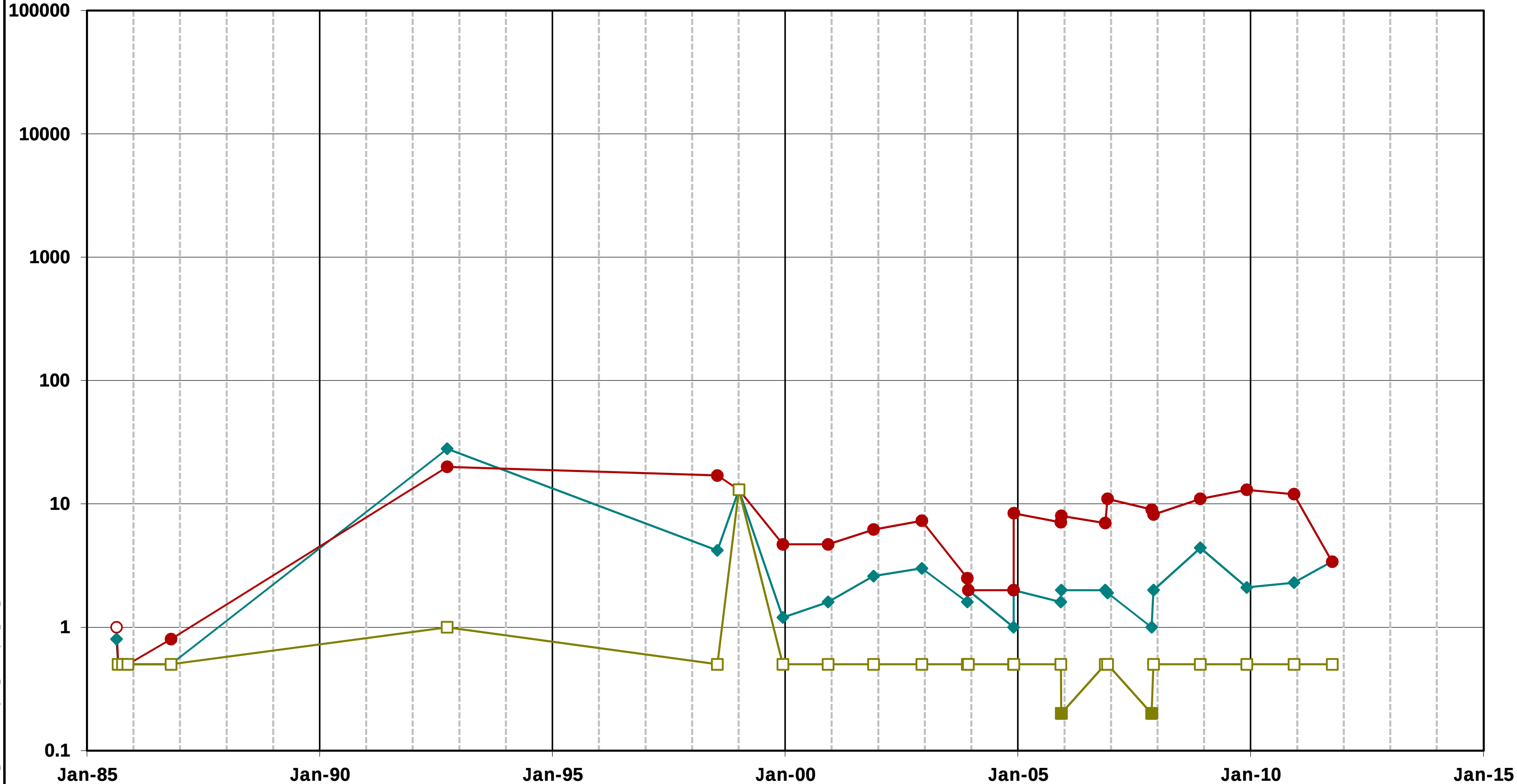
Chlorinated Ethenes in Groundwater
Well 46B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-84**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[46B1_VOC.xls]Plot_46B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 47B1
MEW Regional Annual Report

Geosyntec consultants

Figure

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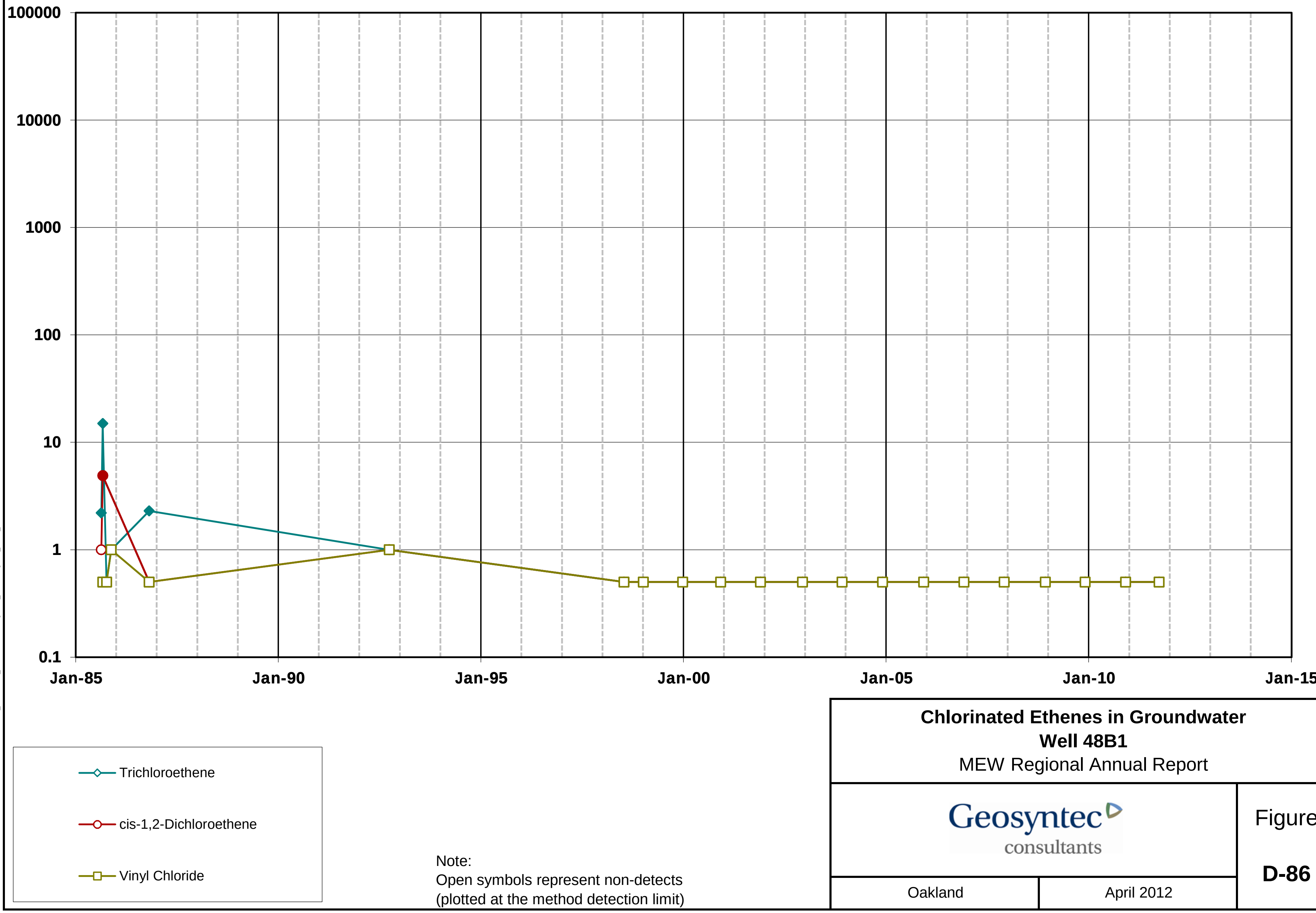
Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[47B1_VOC.xls]Plot_47B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

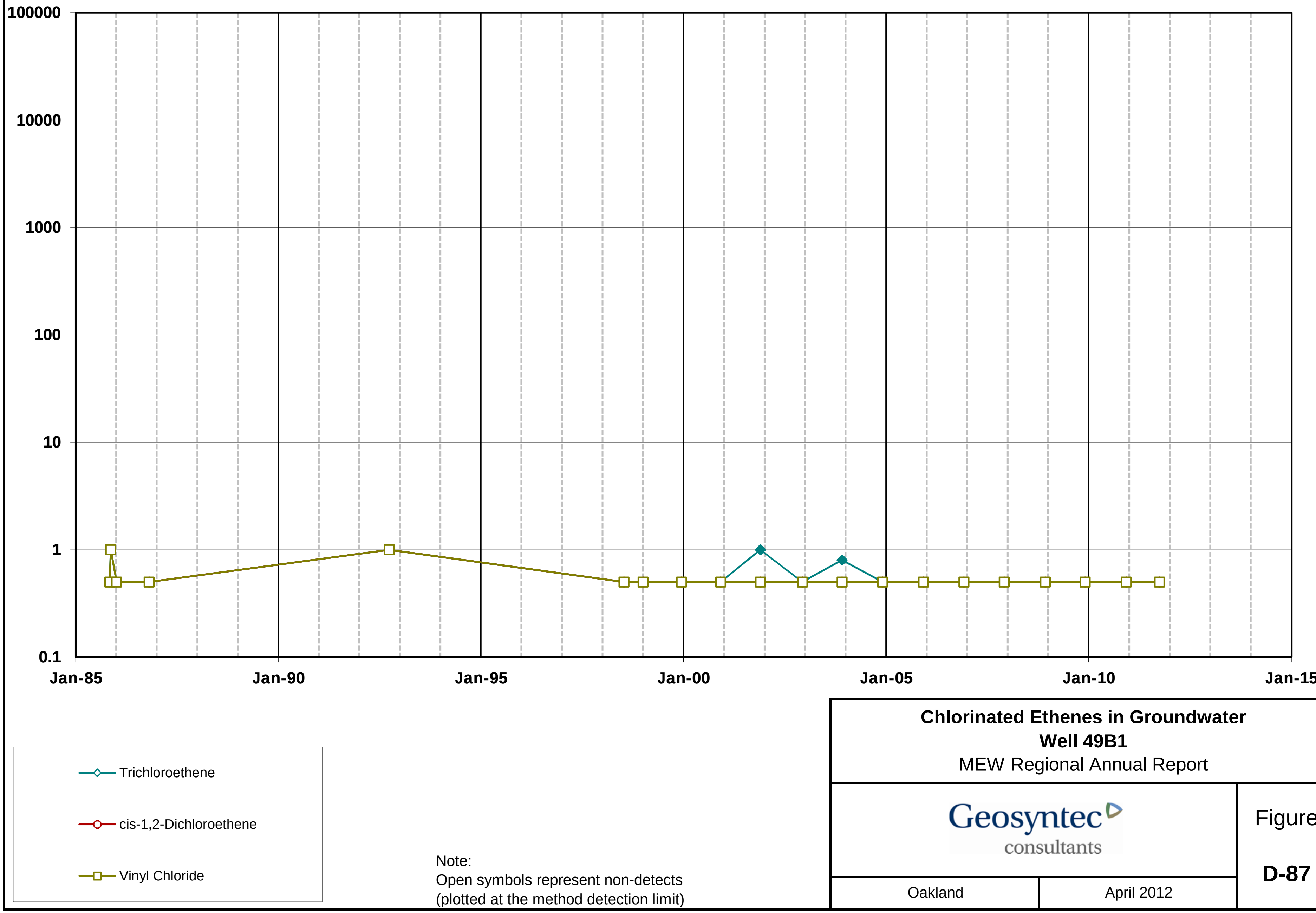
Chlorinated Ethenes in Groundwater
Well 48B1
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure **D-86**

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[48B1_VOC.xls]Plot_48B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

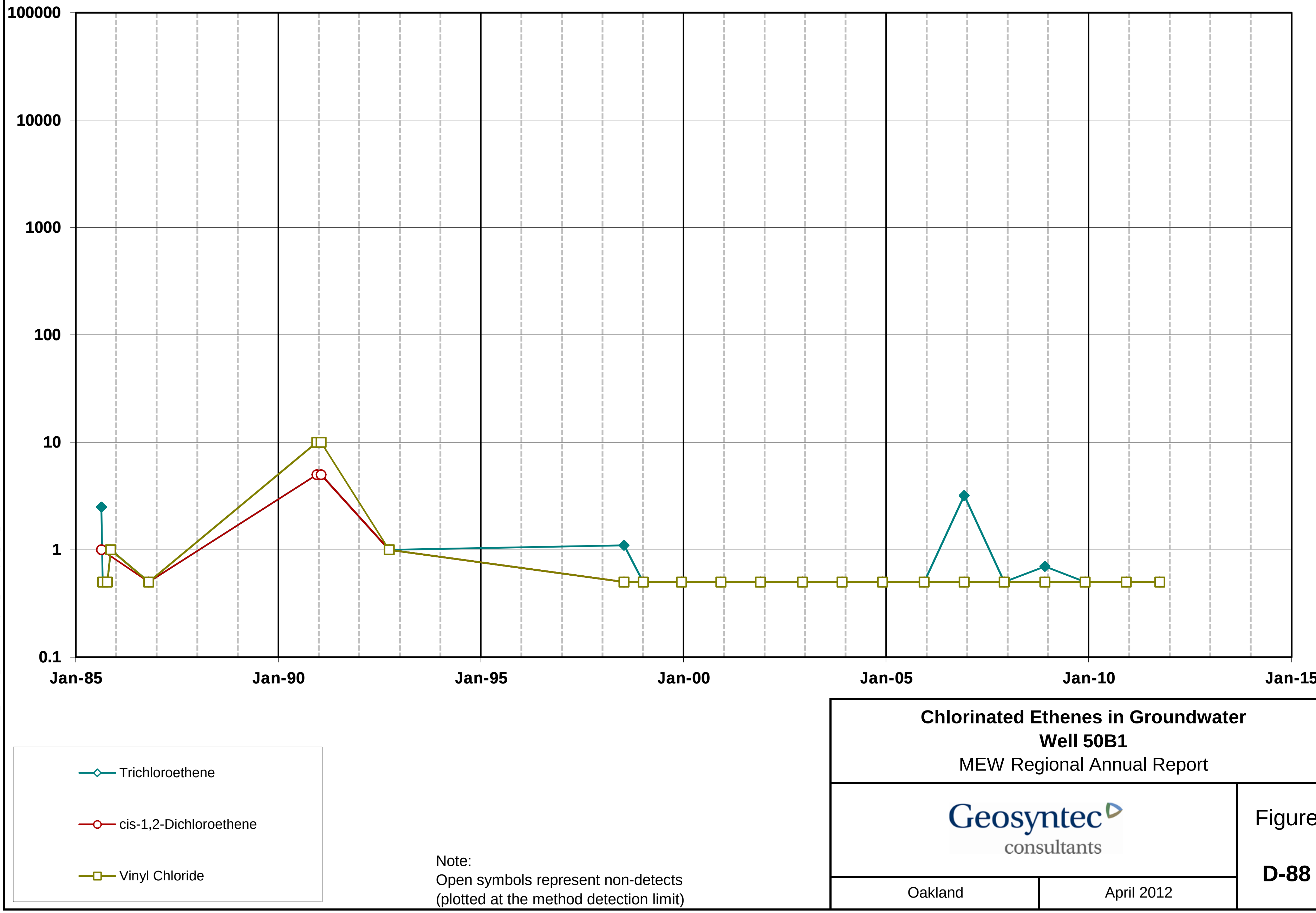
Chlorinated Ethenes in Groundwater
Well 49B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-87**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[49B1_VOC.xls]Plot_49B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 50B1
MEW Regional Annual Report

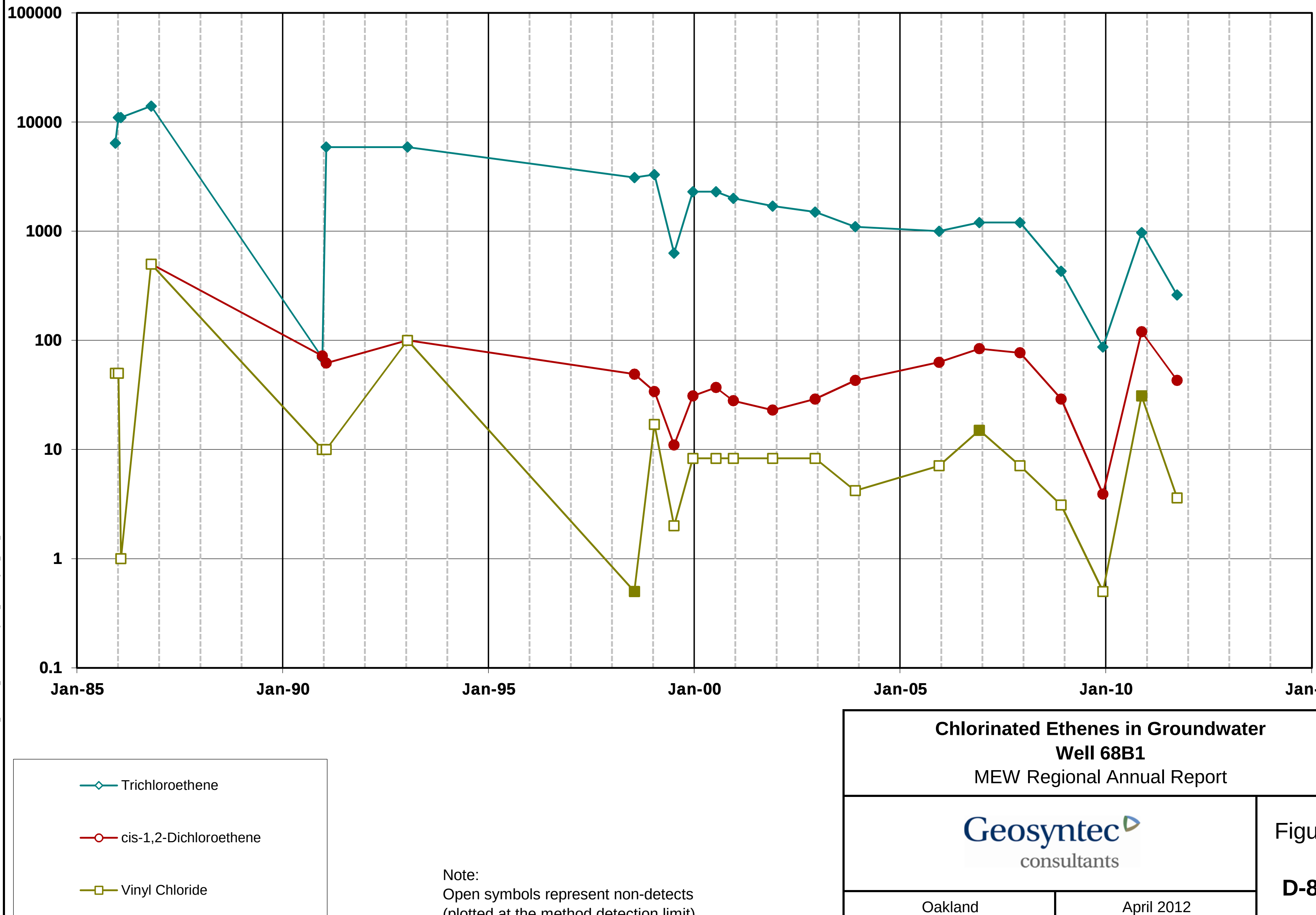
Geosyntec consultants

Figure

D-88

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[50B1_VOC.xls]Plot_50B1_VOC

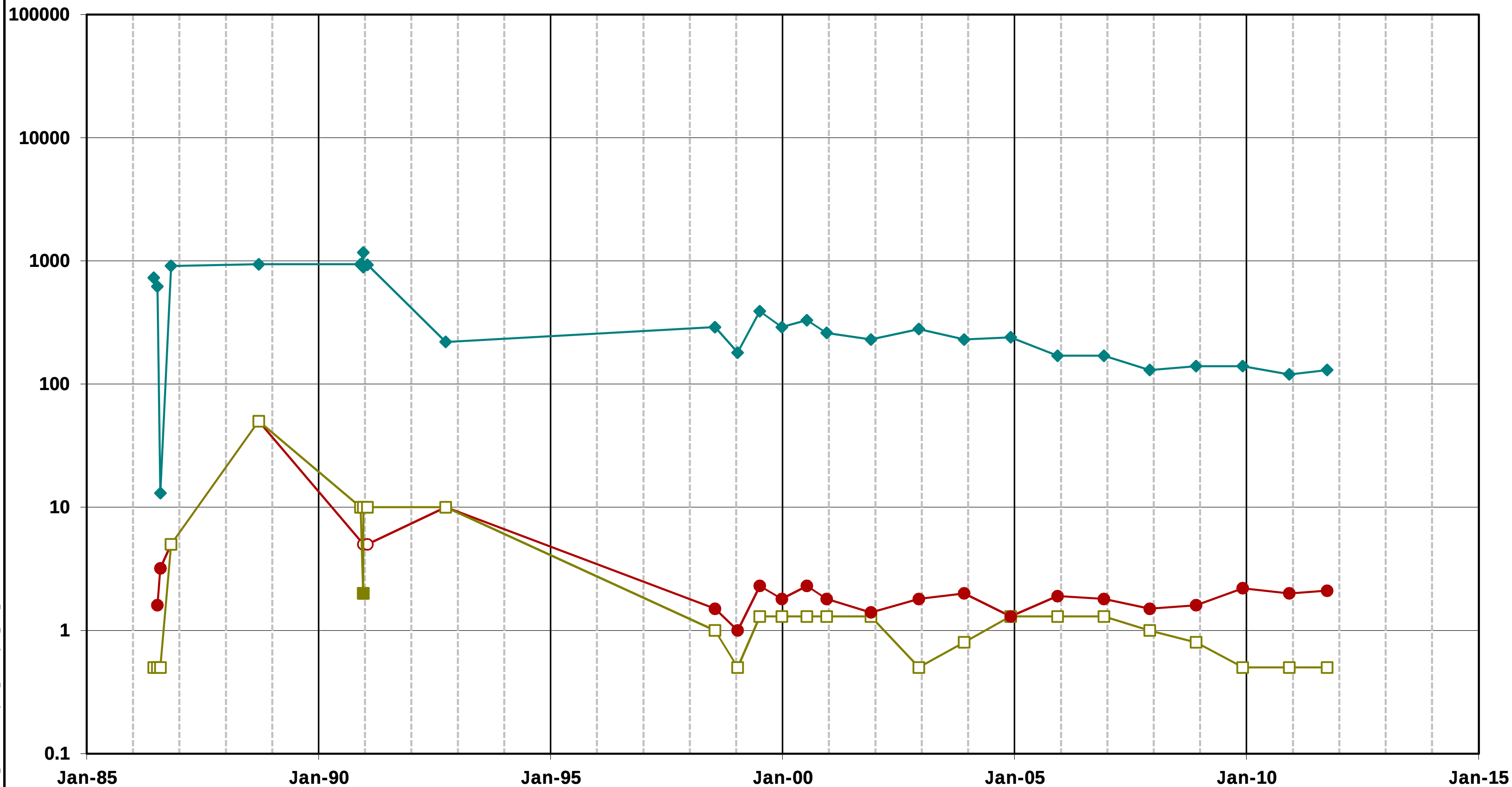


Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 68B1
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-89**



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

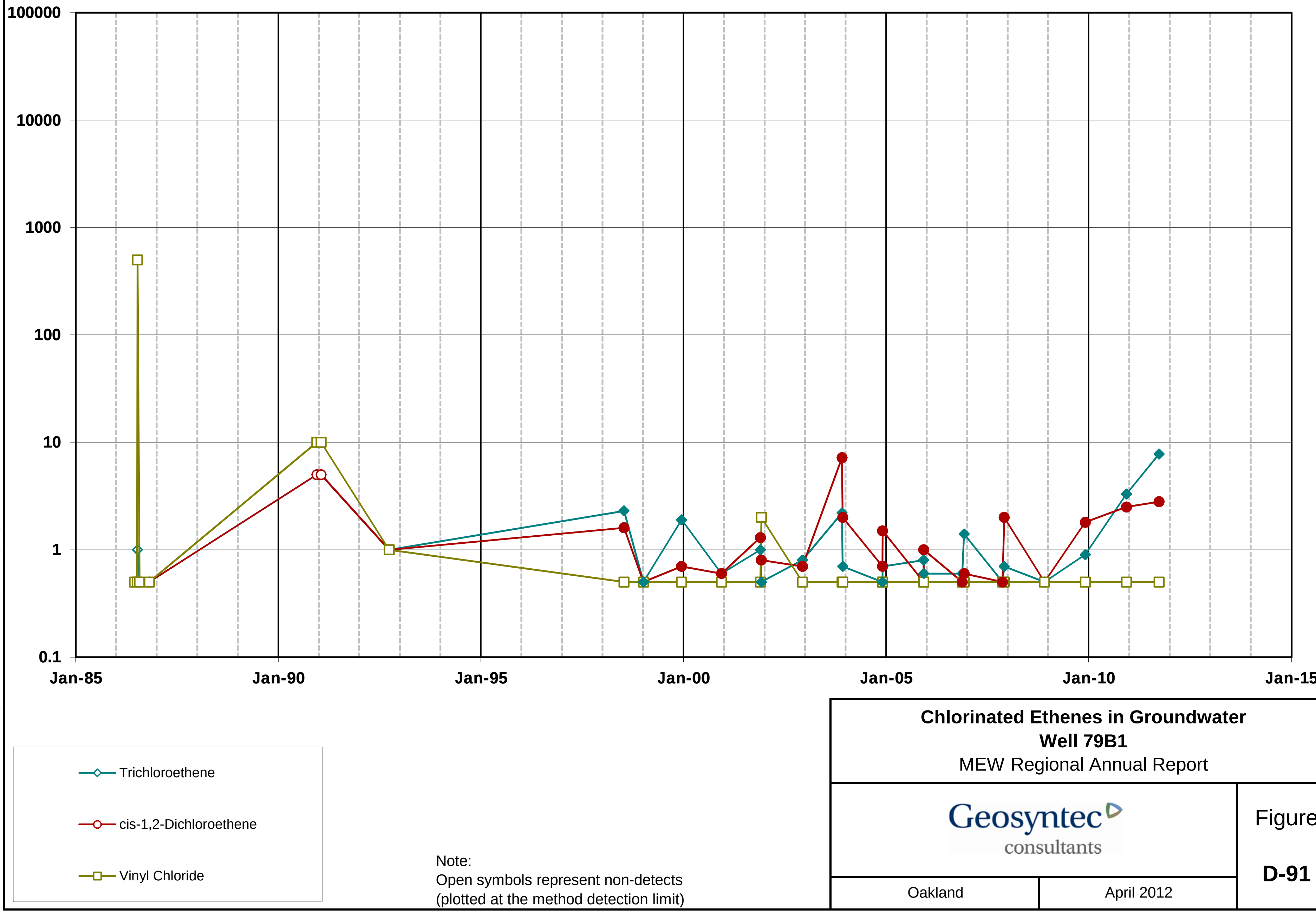
Chlorinated Ethenes in Groundwater
Well 78B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-90**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[78B1_VOC.xls]Plot_78B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

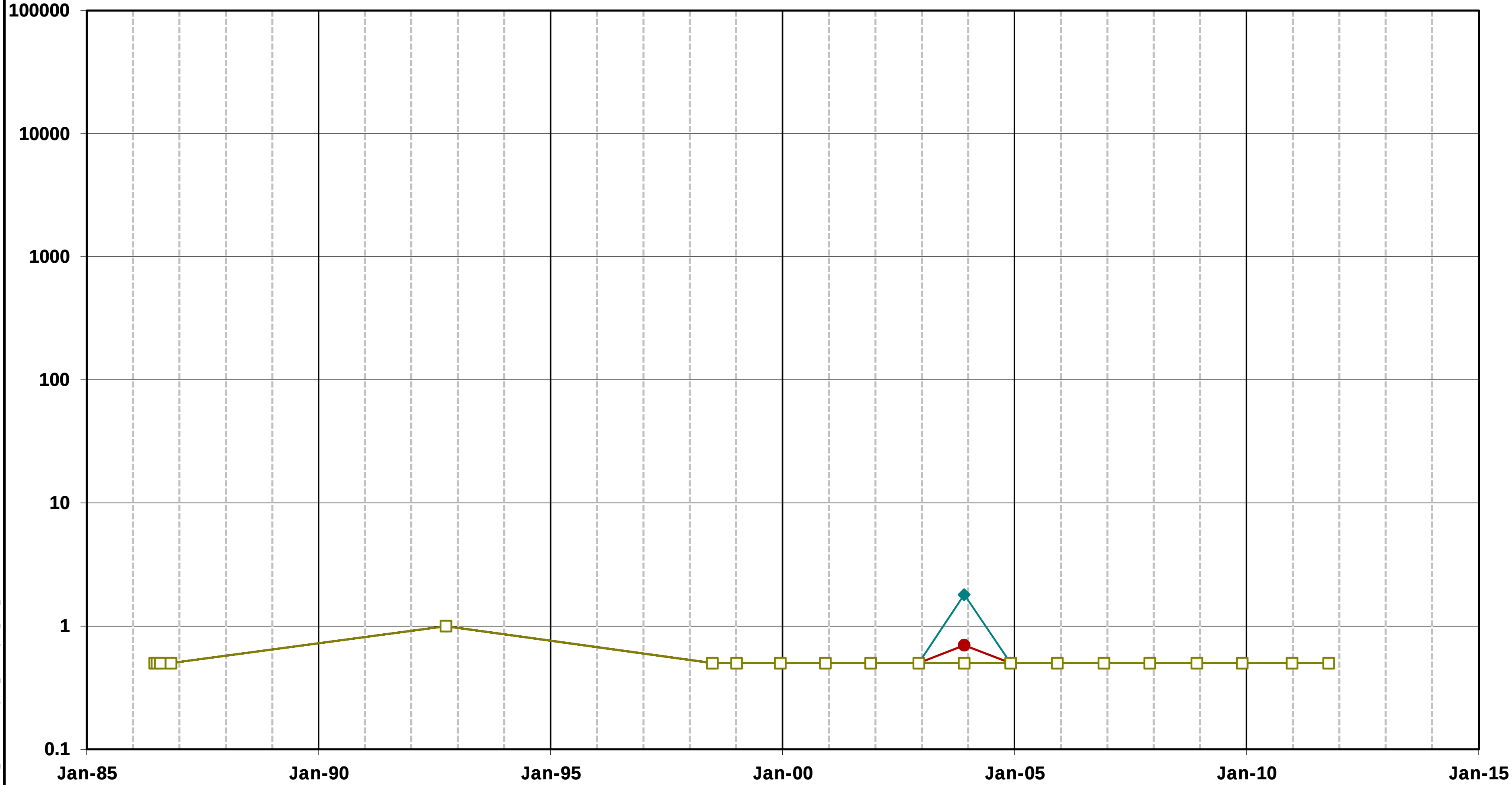
Chlorinated Ethenes in Groundwater
Well 79B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-91**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[79B1_VOC.xls]Plot_79B1_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[81B1_VOC.xls]Plot_81B1_VOC

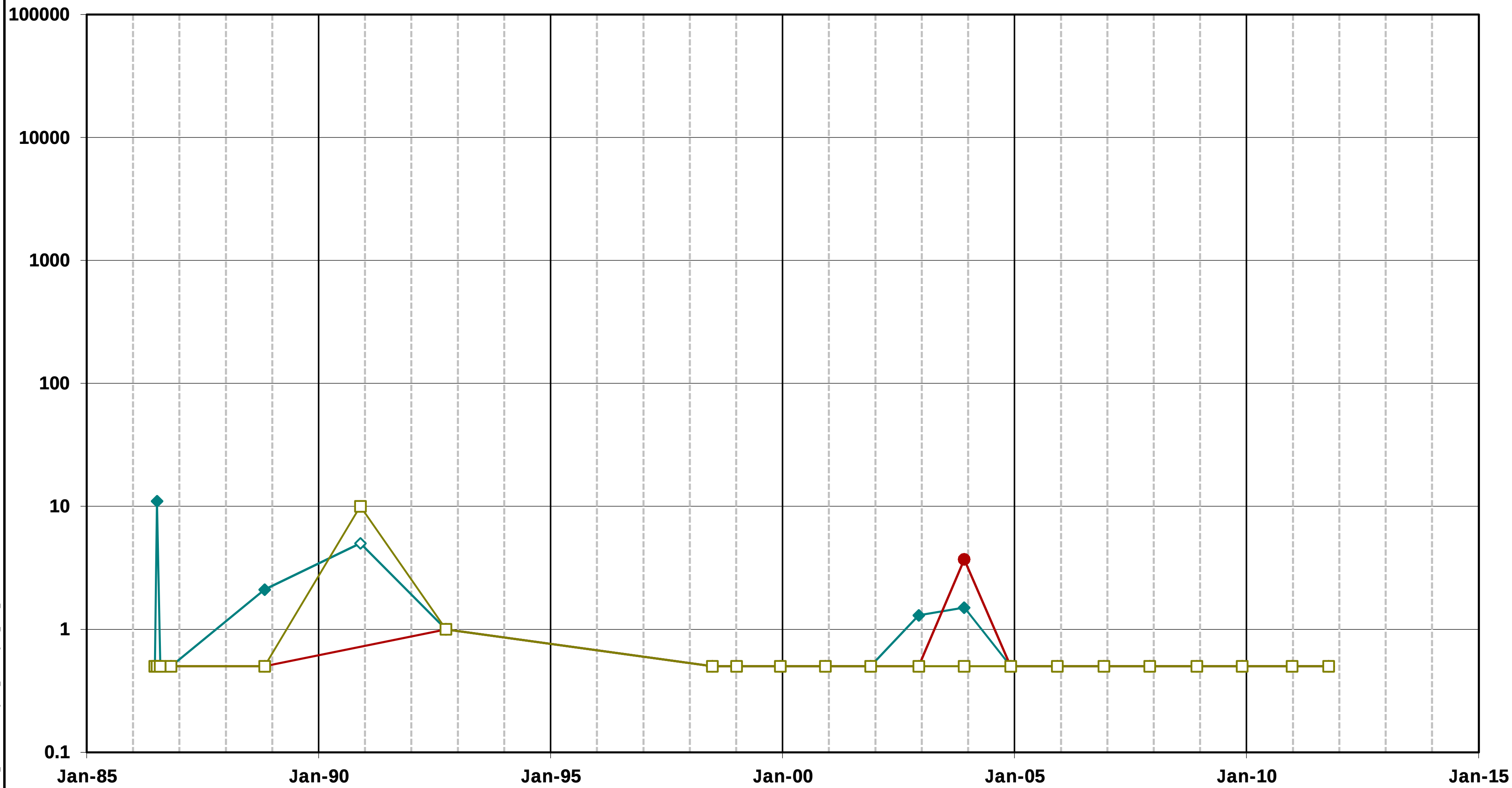
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 81B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-92**

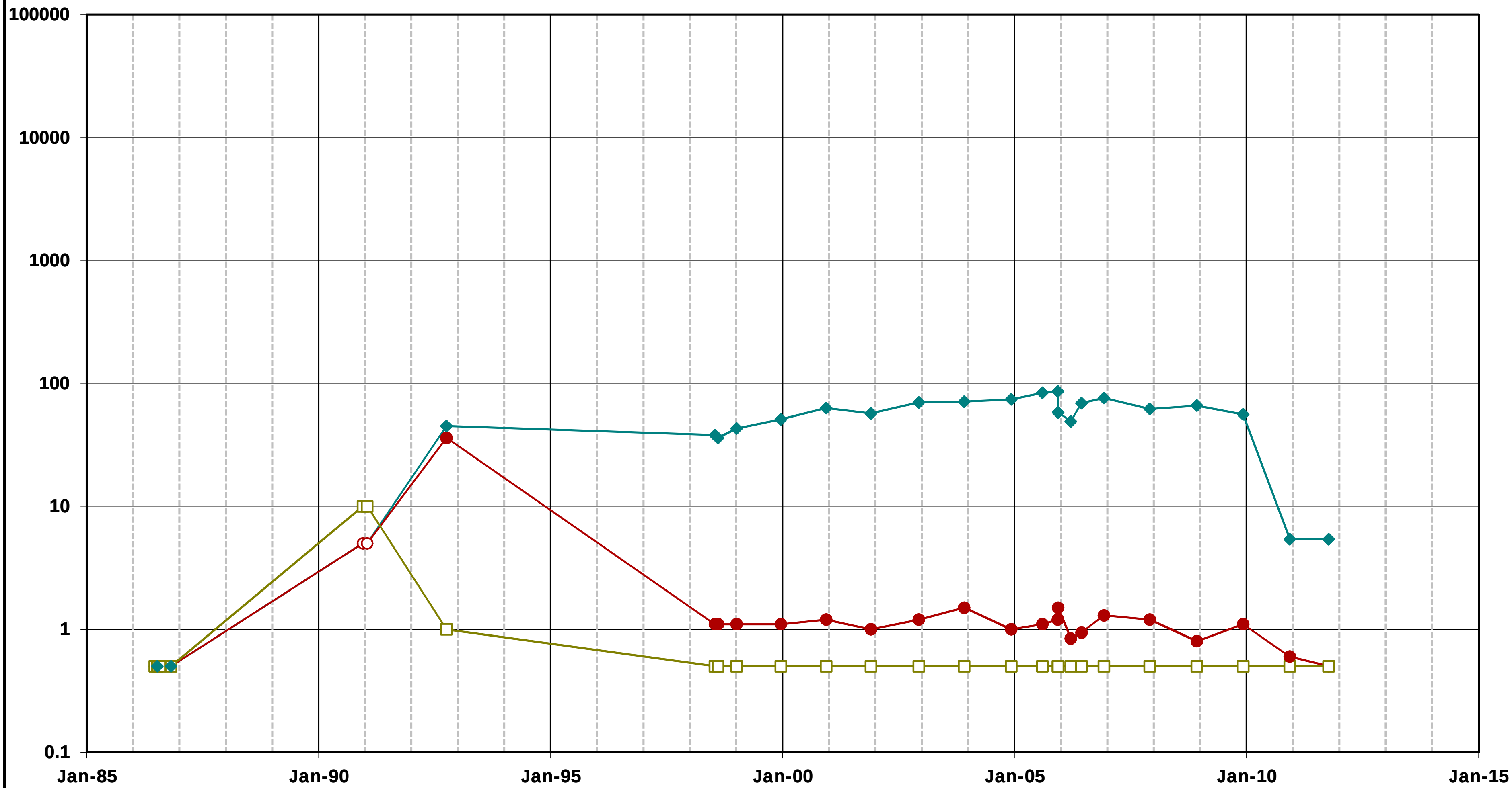
Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater **Well 83B1** MEW Regional Annual Report		
Geosyntec consultants		Figure **D-93**
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[83B1_VOC.xls]Plot_83B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

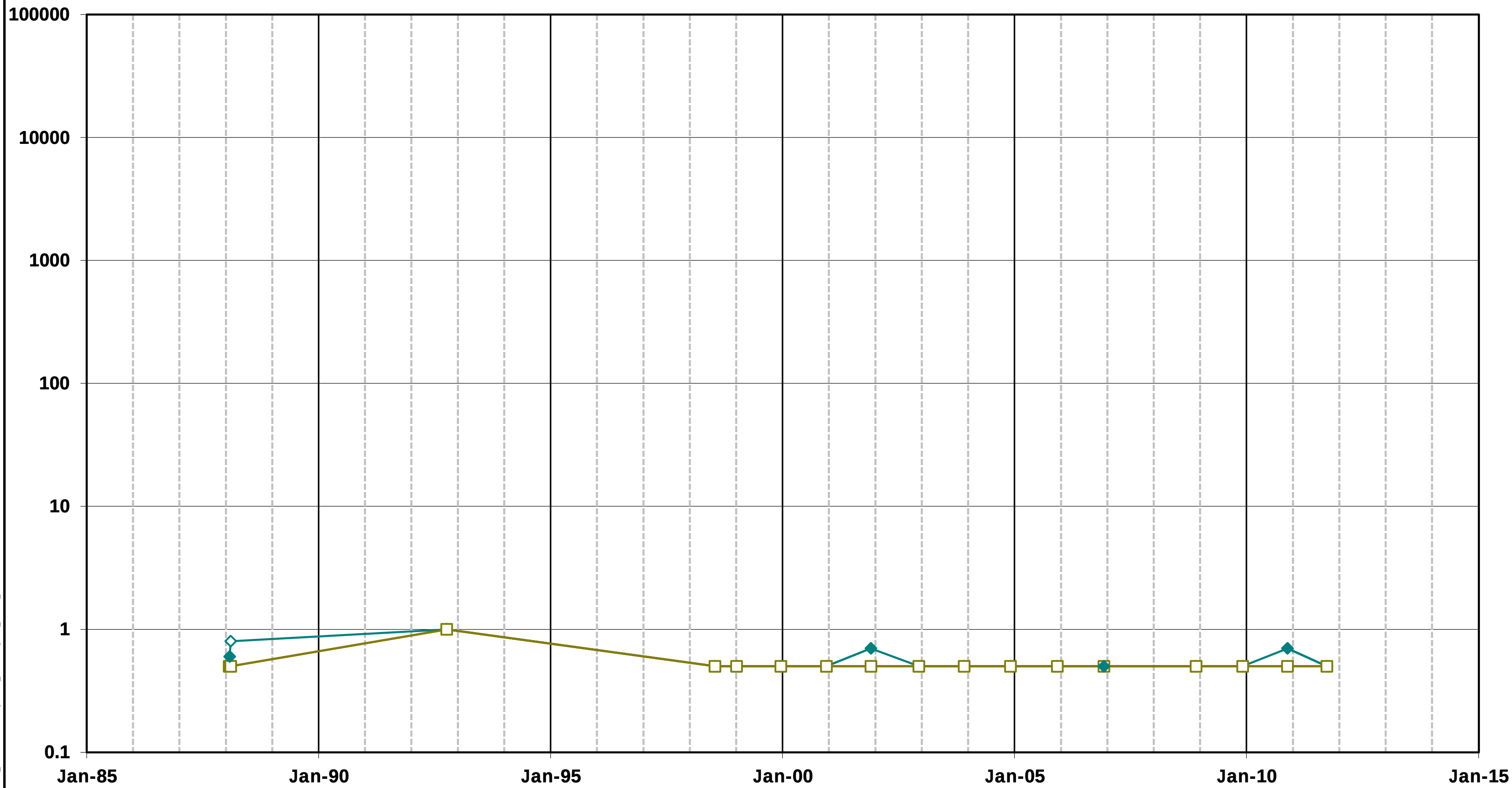
Chlorinated Ethenes in Groundwater
Well 87B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-94**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[87B1_VOC.xls]Plot_87B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 139B1
MEW Regional Annual Report

Geosyntec consultants

Figure

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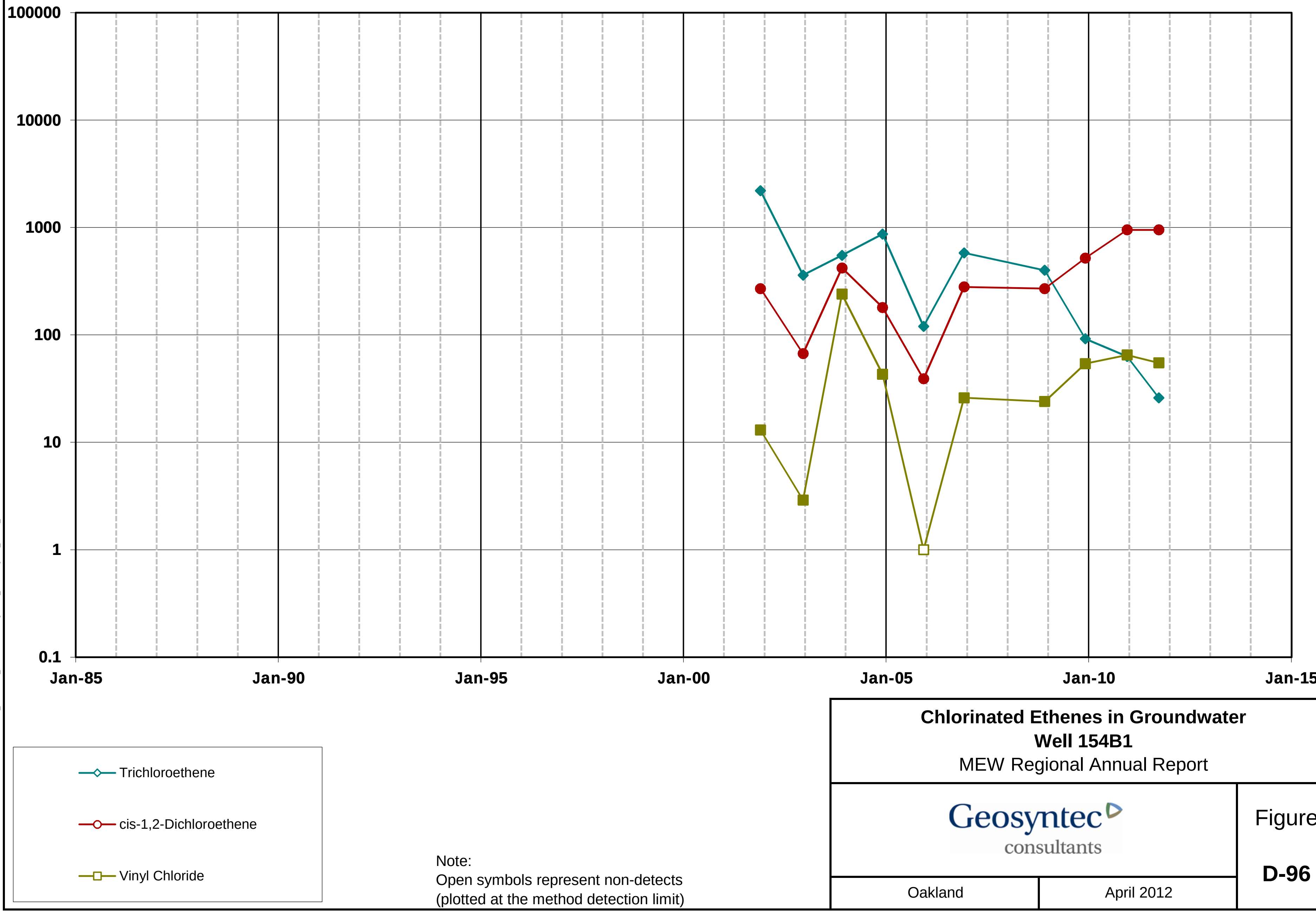
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[139B1_VOC.xls]Plot_139B1_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[154B1_VOC.xls]Plot_154B1_VOC

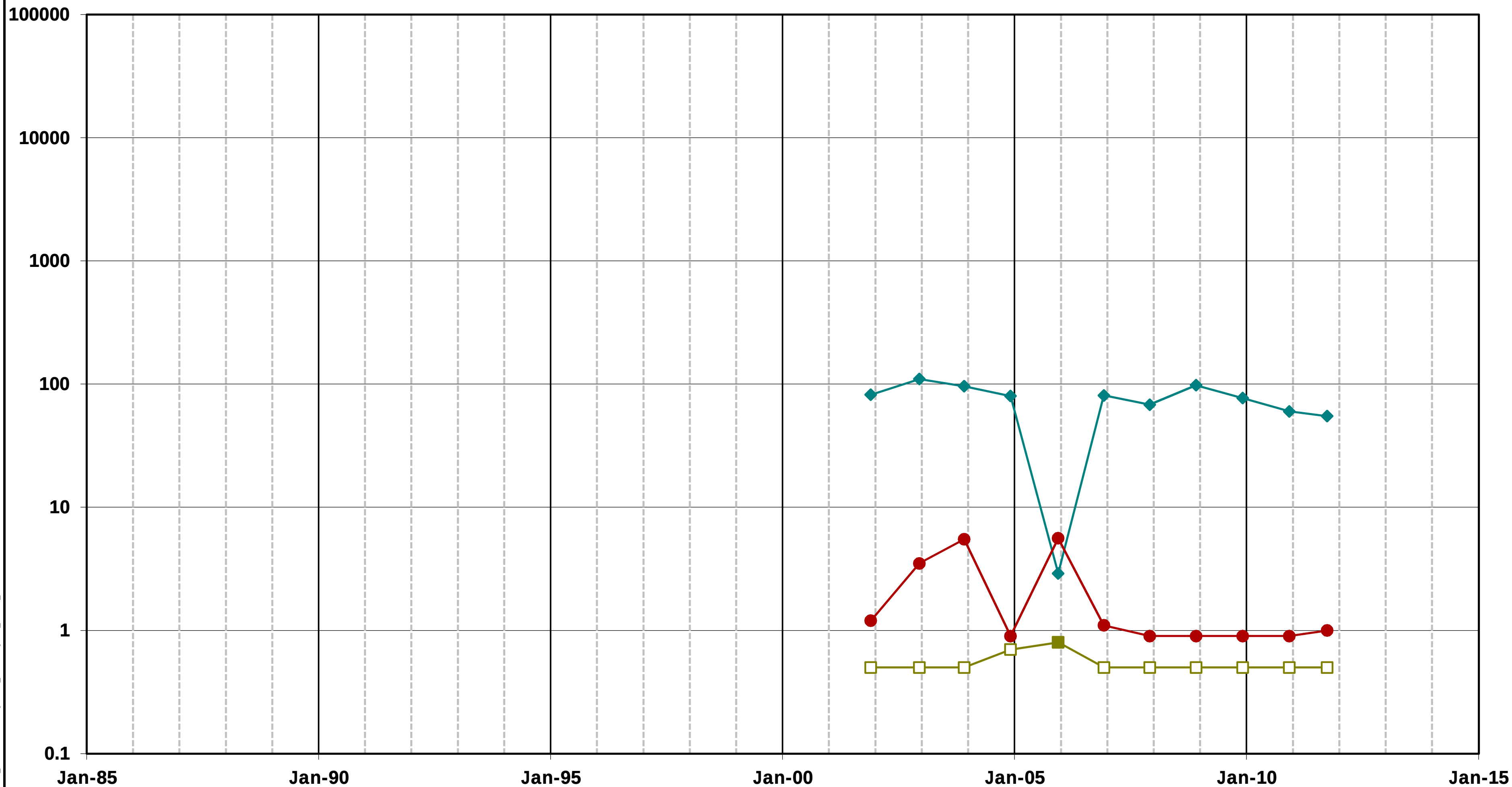
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 154B1
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure
D-96



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

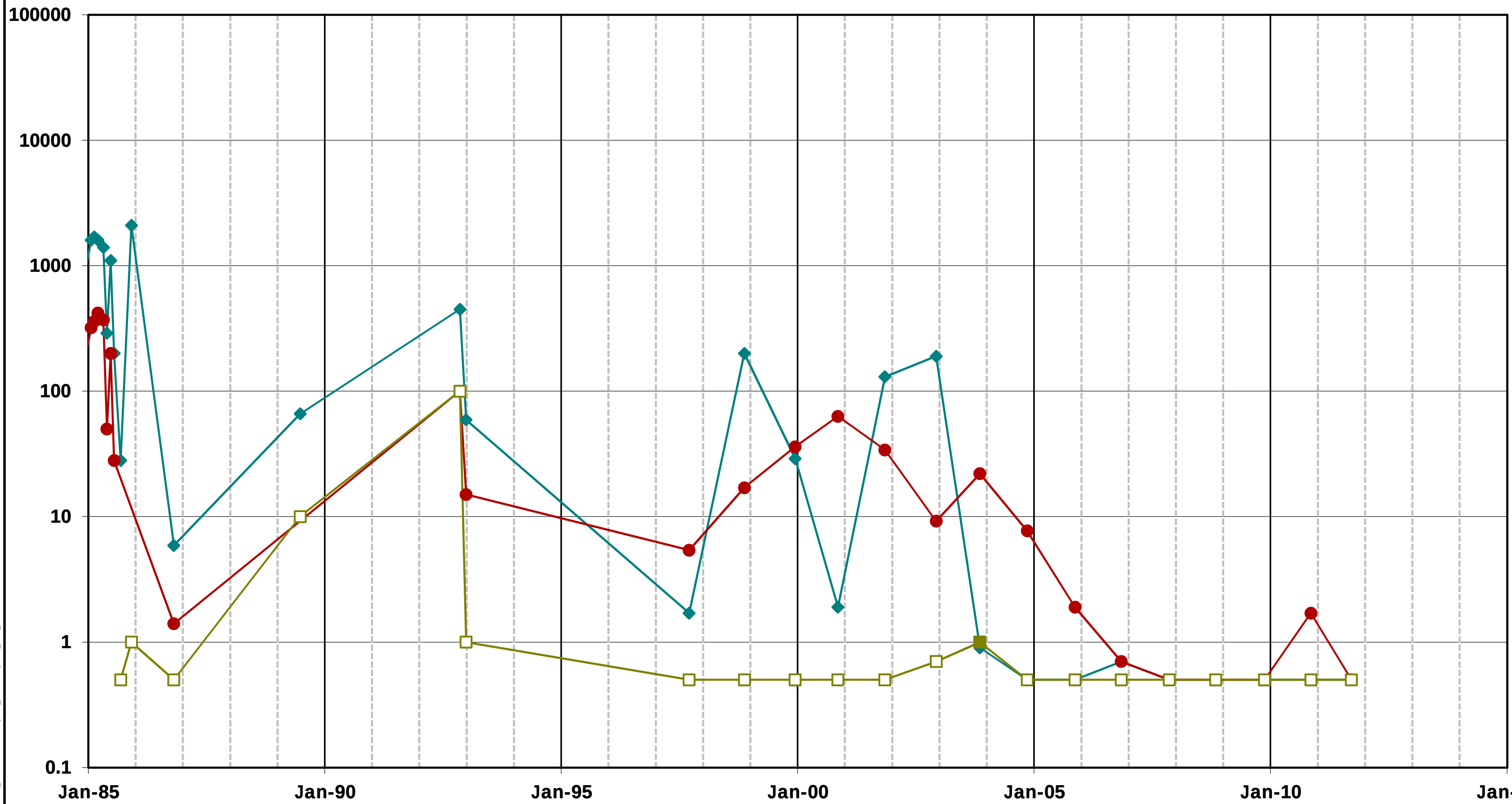
Chlorinated Ethenes in Groundwater
Well 155B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-97**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[155B1_VOC.xls]Plot_155B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

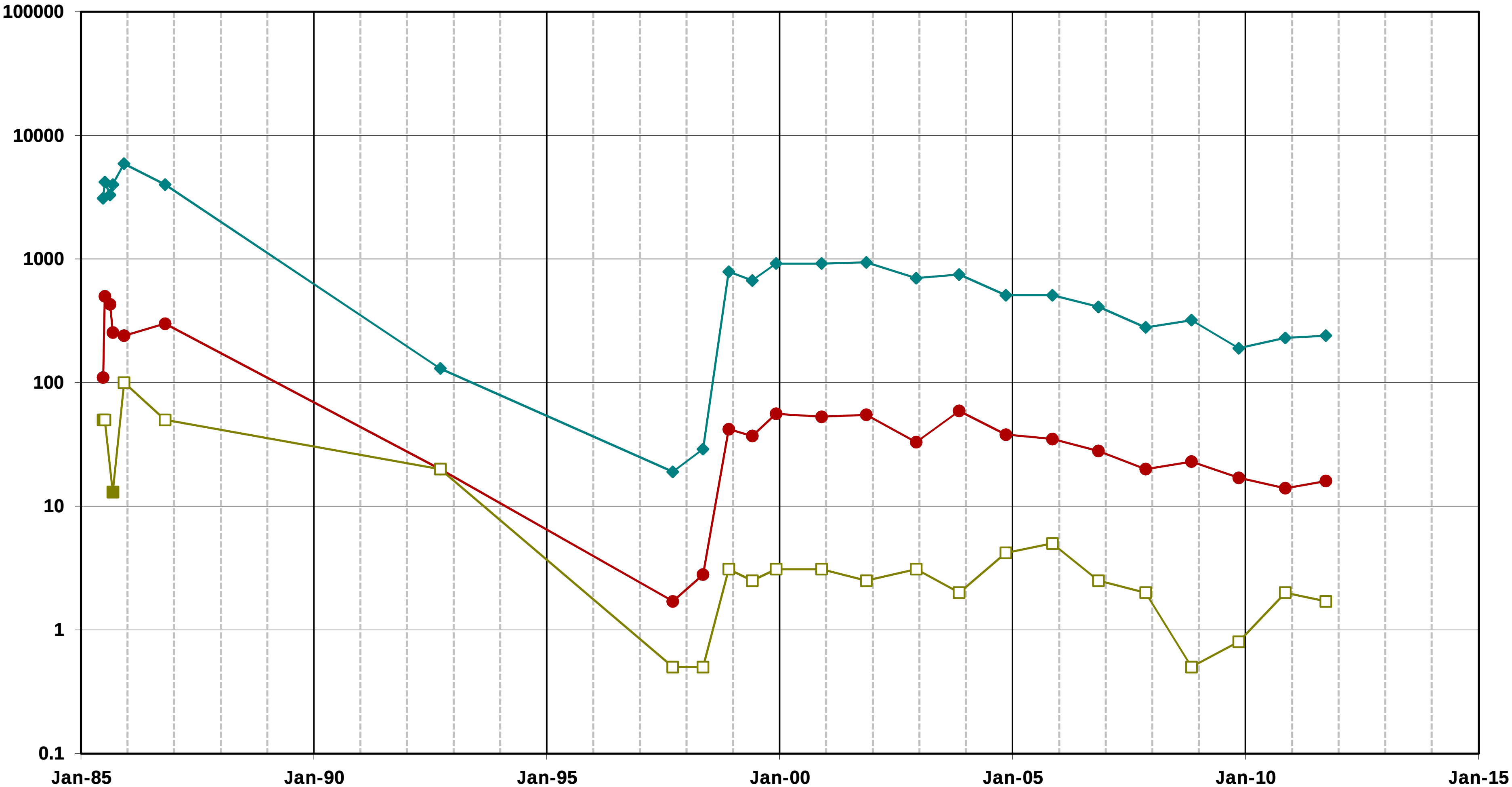
Chlorinated Ethenes in Groundwater
Well 8B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-98**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[8B1_VOC.xls]Plot_8B1_VOC



Trichloroethene

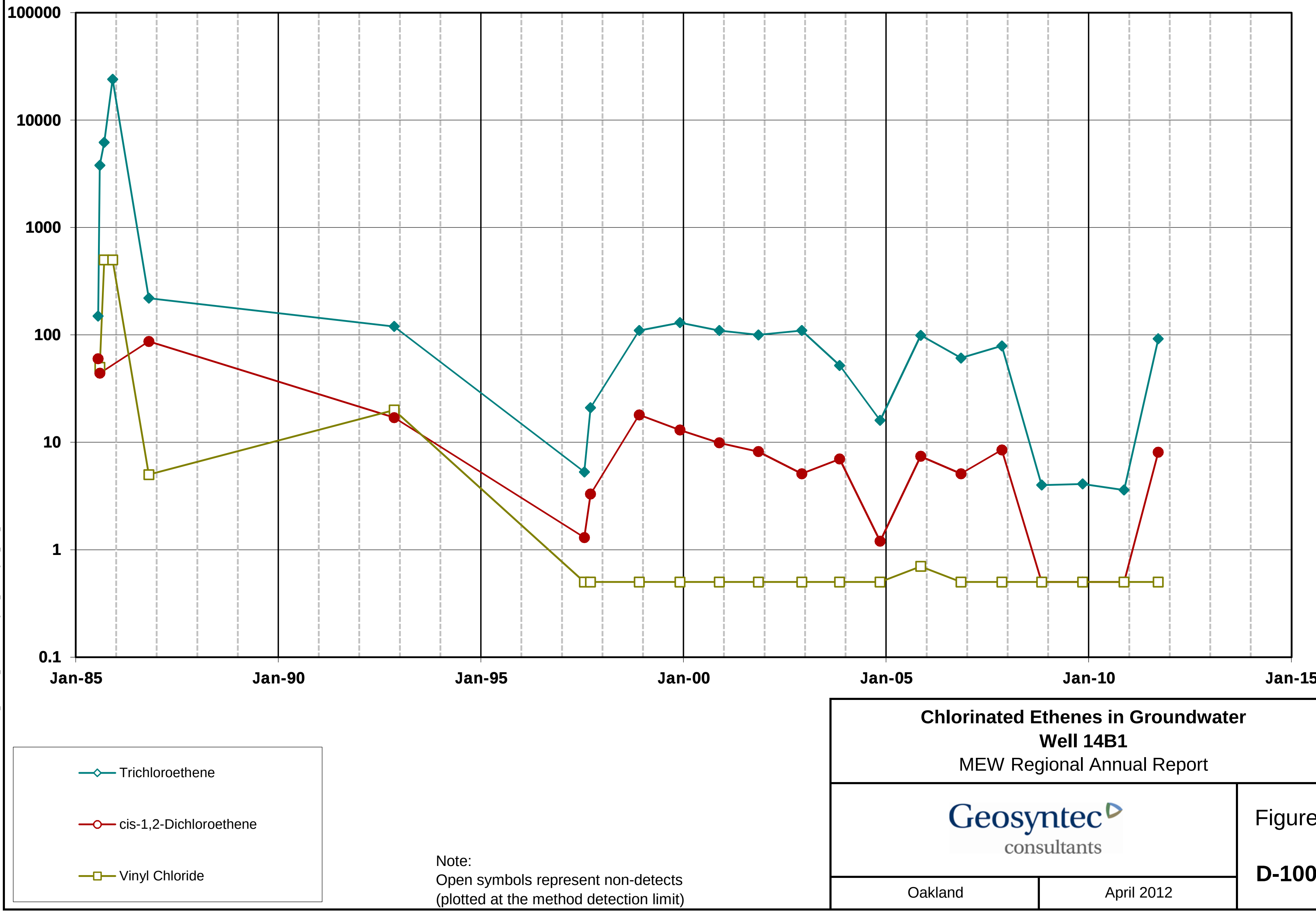
cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater Well 13B1 MEW Regional Annual Report		
Geosyntec consultants		Figure D-99
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[13B1_VOC.xls]Plot_13B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

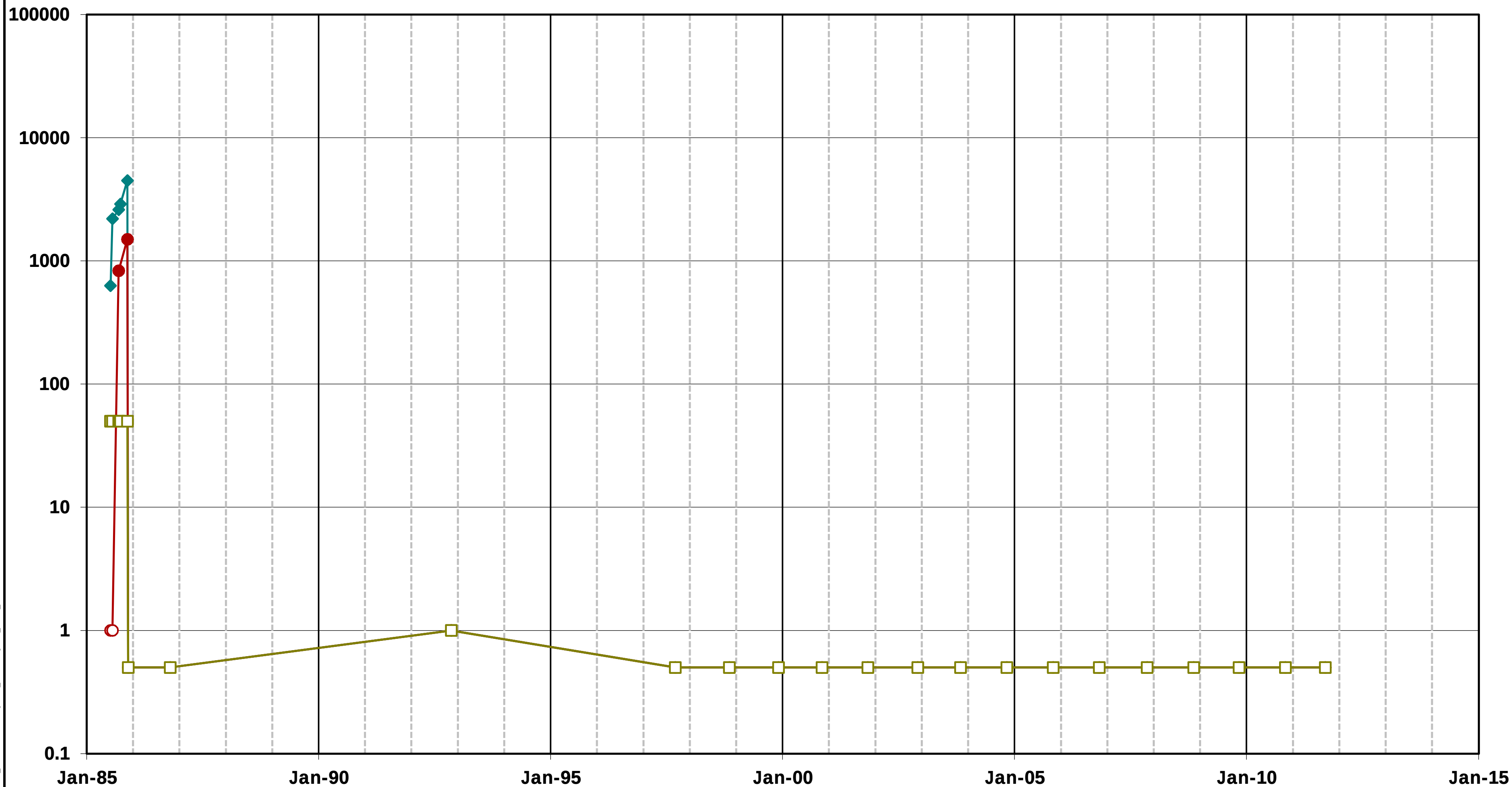
Chlorinated Ethenes in Groundwater
Well 14B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-100**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[14B1_VOC.xls]Plot_14B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

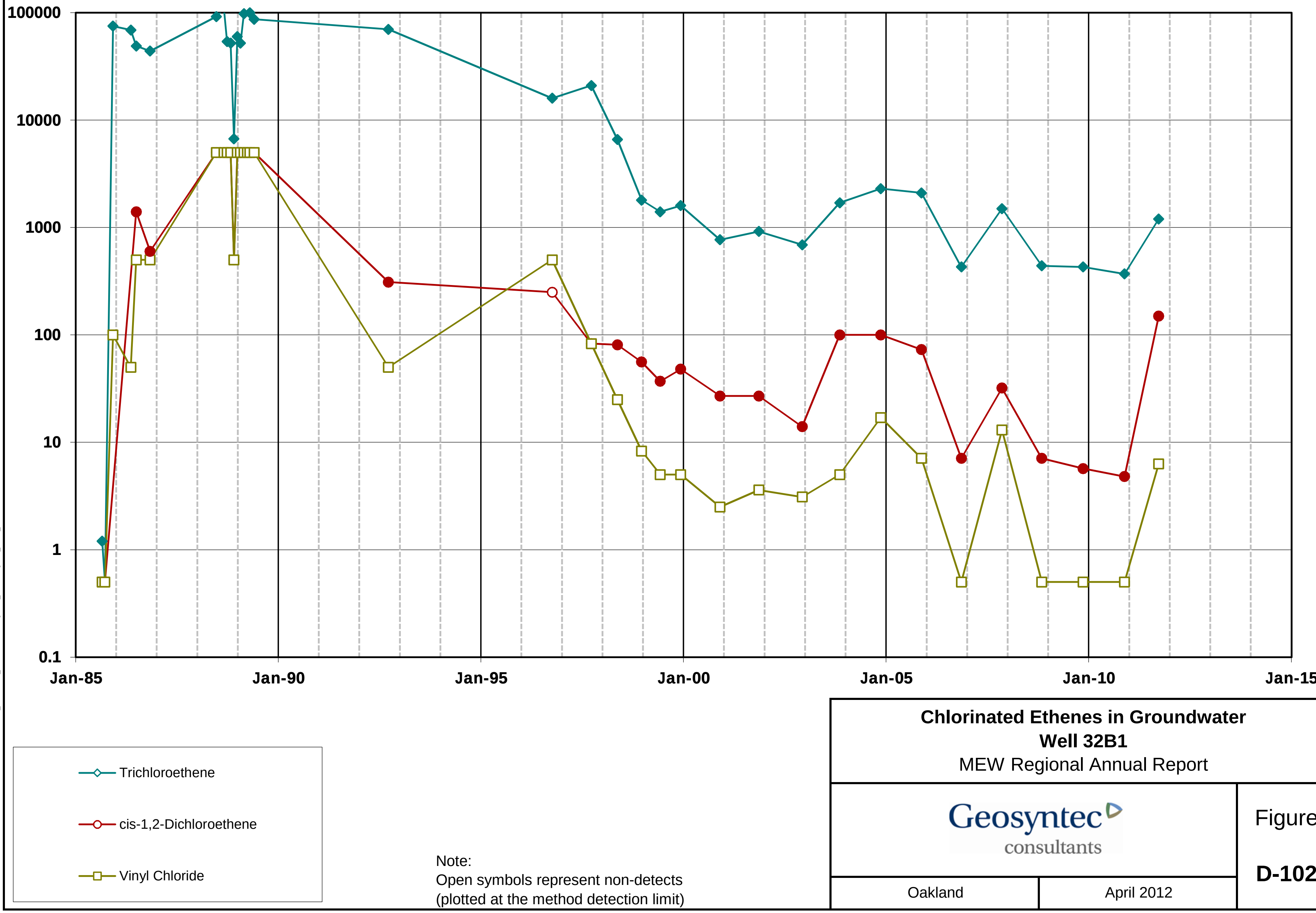
Chlorinated Ethenes in Groundwater
Well 26B1
MEW Regional Annual Report

Geosyntec
consultants

Figure
D-101

Oakland | April 2012

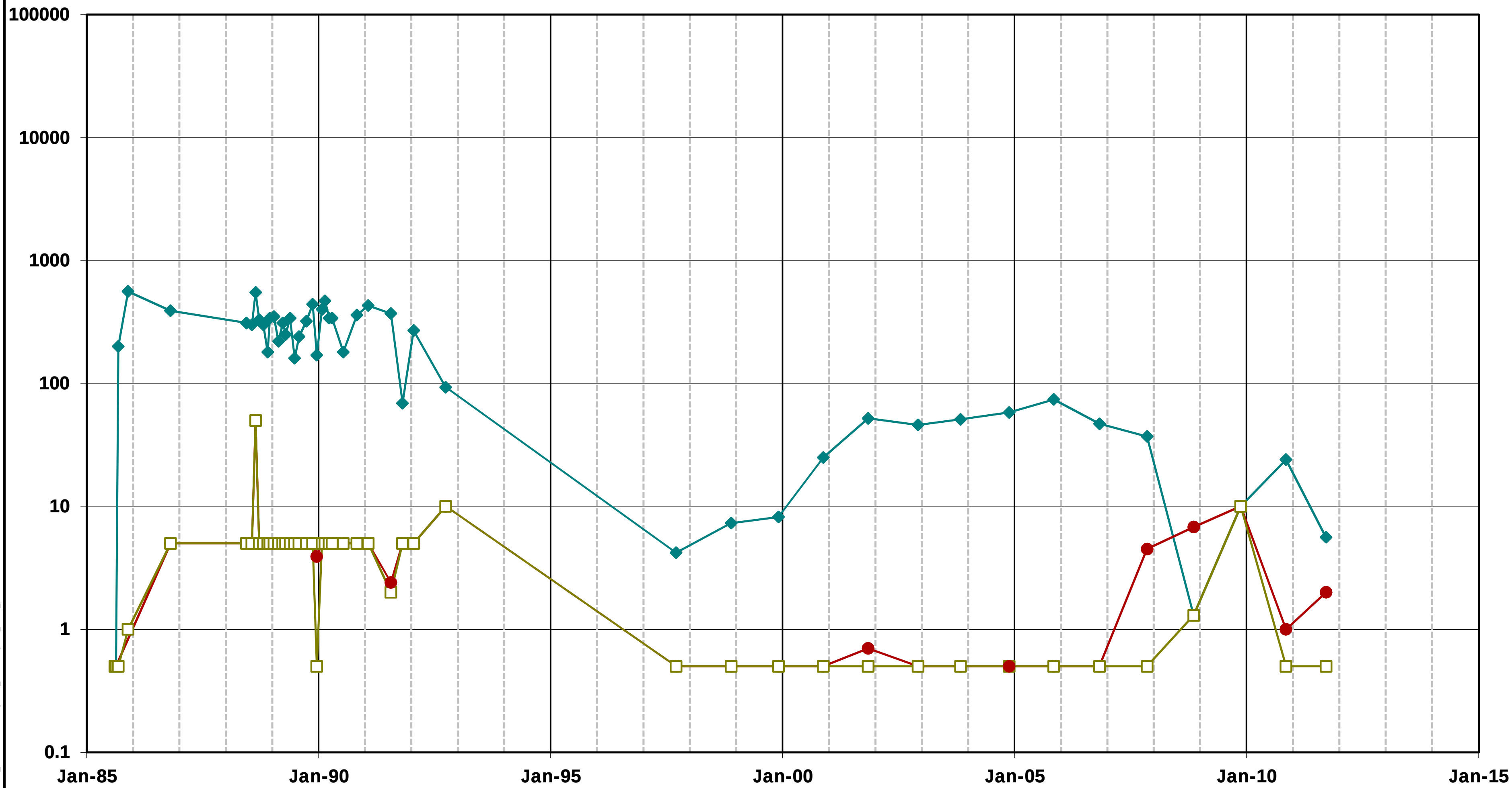
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[26B1_VOC.xls]Plot_26B1_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[32B1_VOC.xls]Plot_32B1_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater Well 32B1 MEW Regional Annual Report		
Geosyntec consultants		Figure D-102
Oakland	April 2012	



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

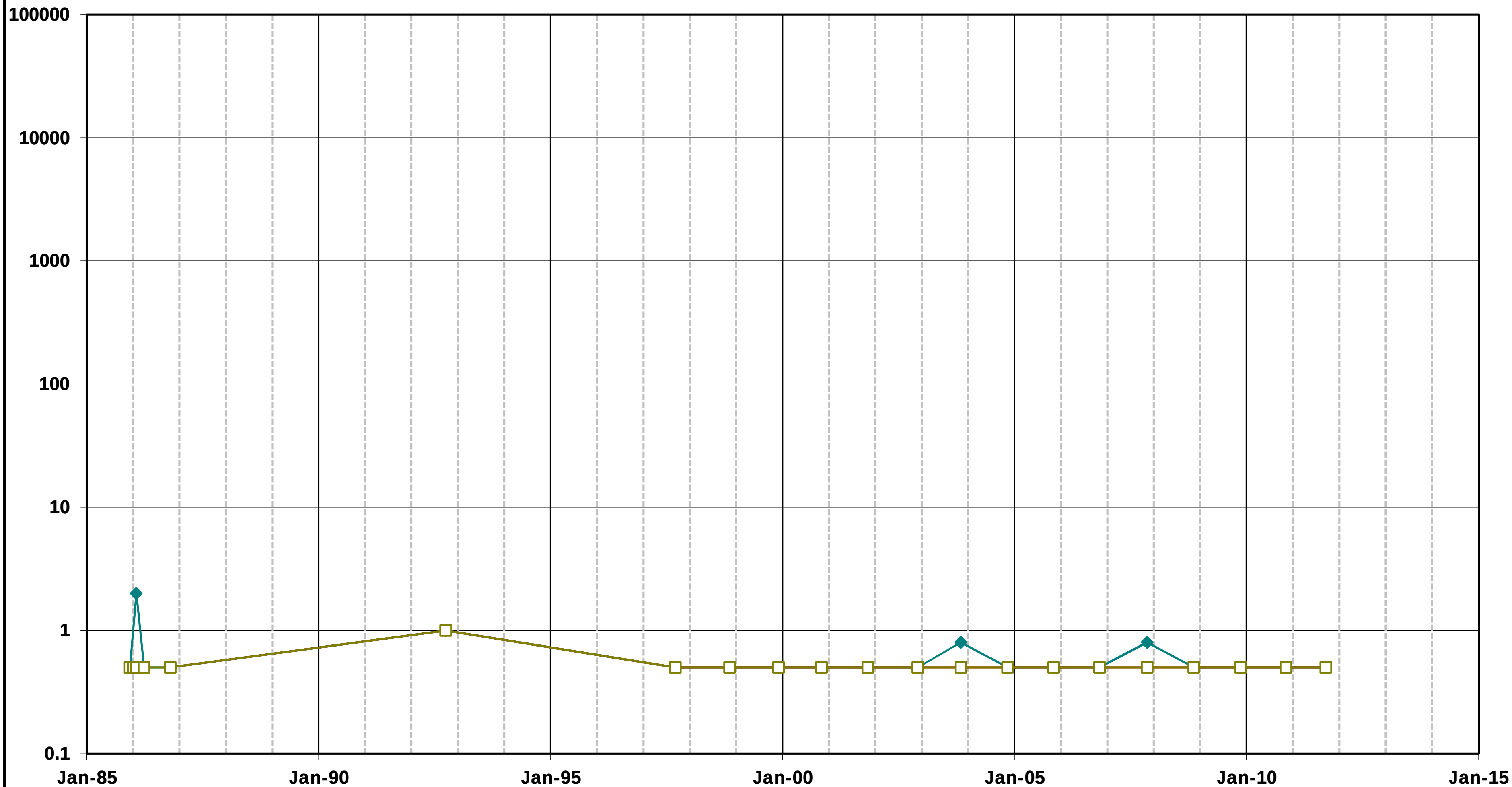
Chlorinated Ethenes in Groundwater
Well 33B1
MEW Regional Annual Report

Geosyntec consultants

Figure
D-103

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[33B1_VOC.xls]Plot_33B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

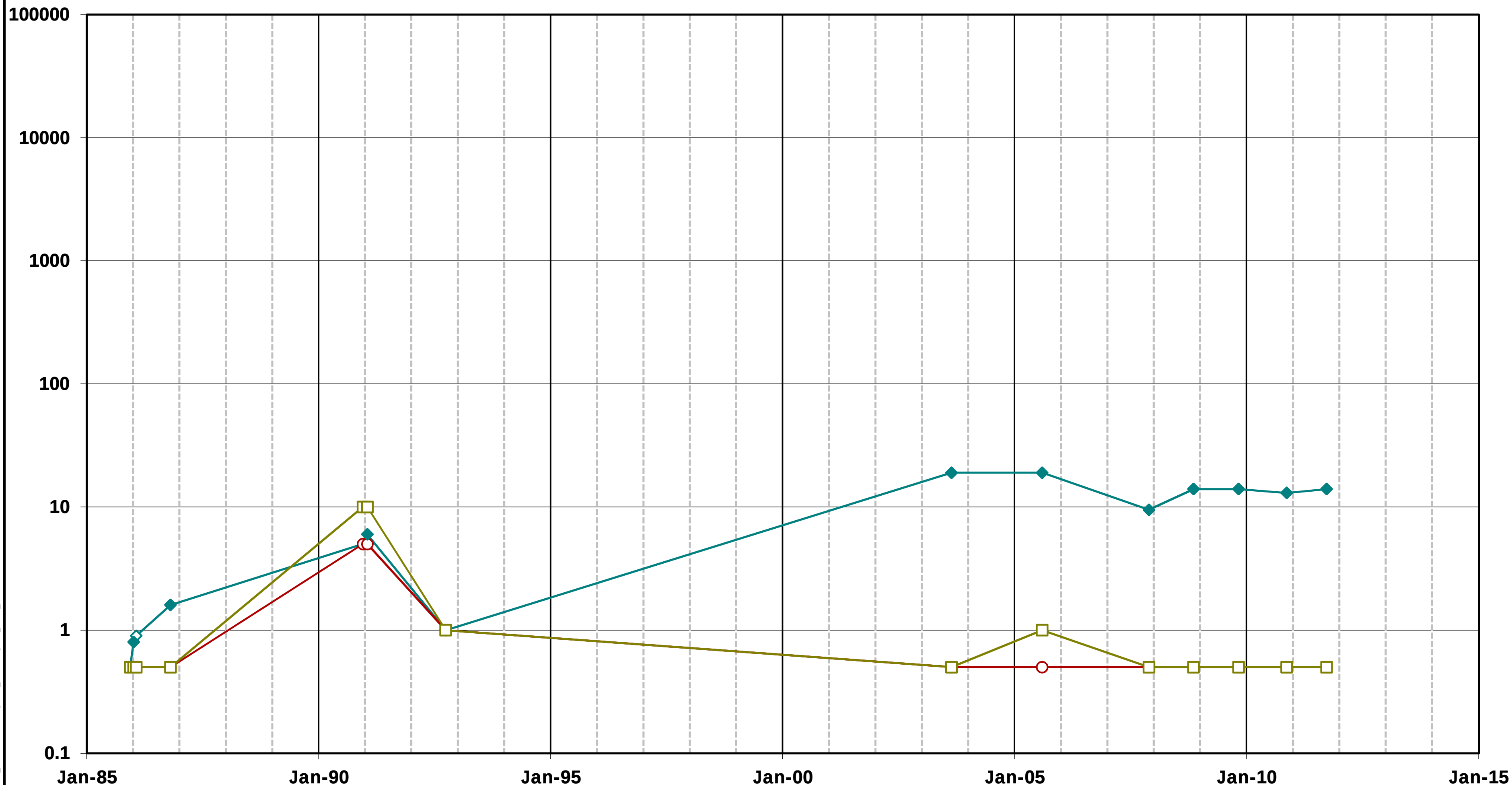
Chlorinated Ethenes in Groundwater
Well 56B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-104**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[56B1_VOC.xls]Plot_56B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

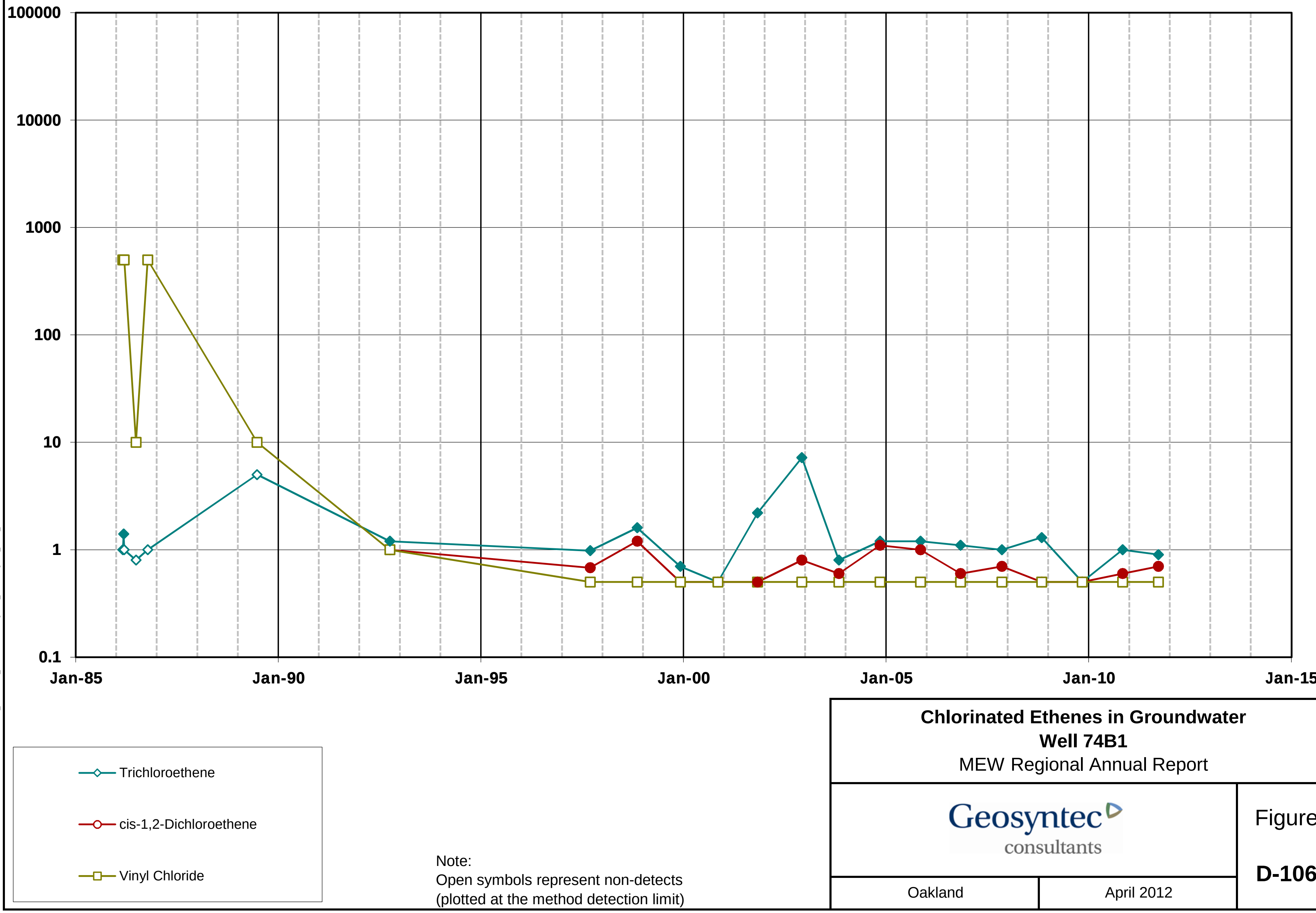
Chlorinated Ethenes in Groundwater
Well 67B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-105**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[67B1_VOC.xls]Plot_67B1_VOC



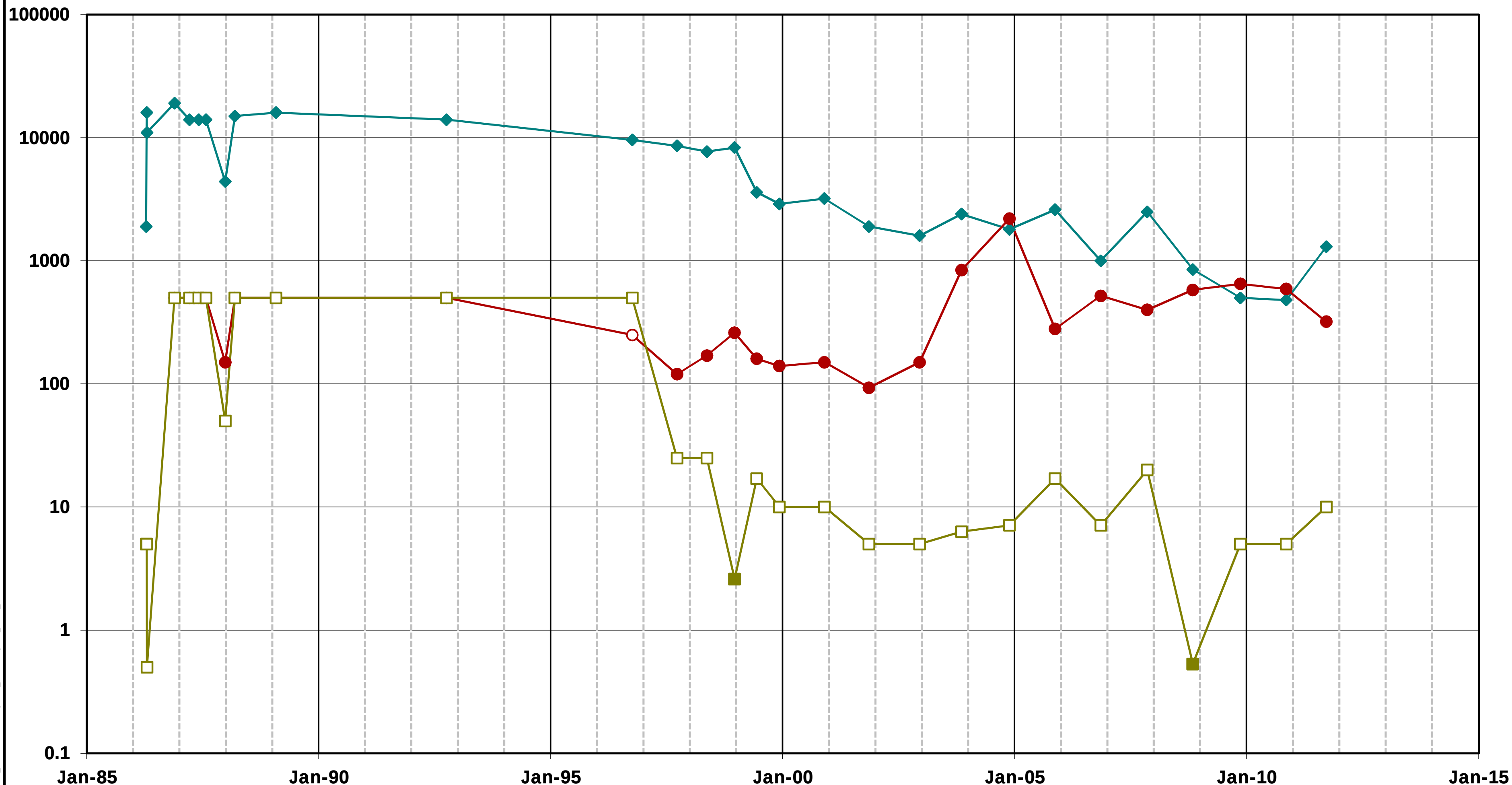
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 74B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-106**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 77B1
MEW Regional Annual Report

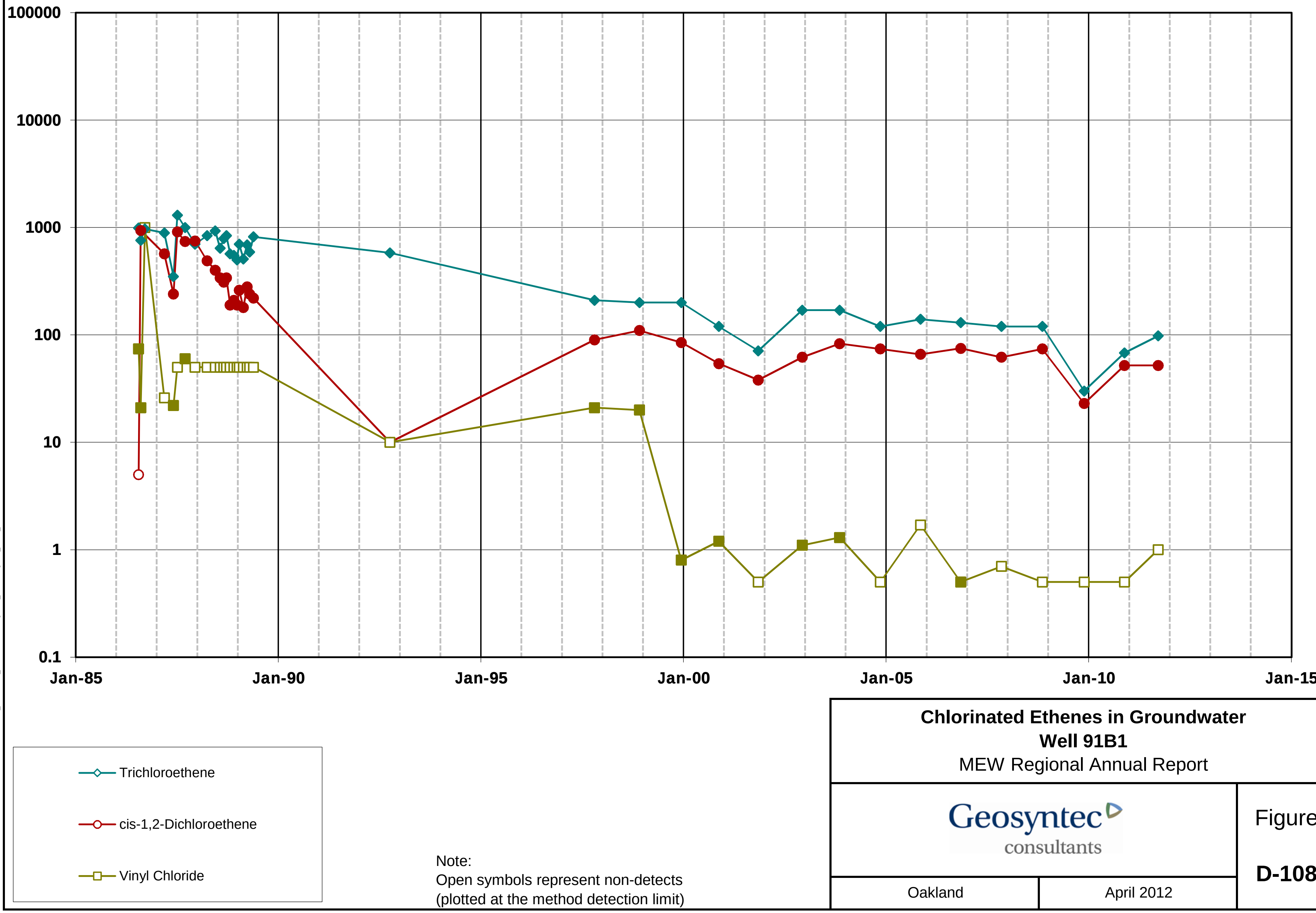
Geosyntec
consultants

Figure

D-107

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[77B1_VOC.xls]Plot_77B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

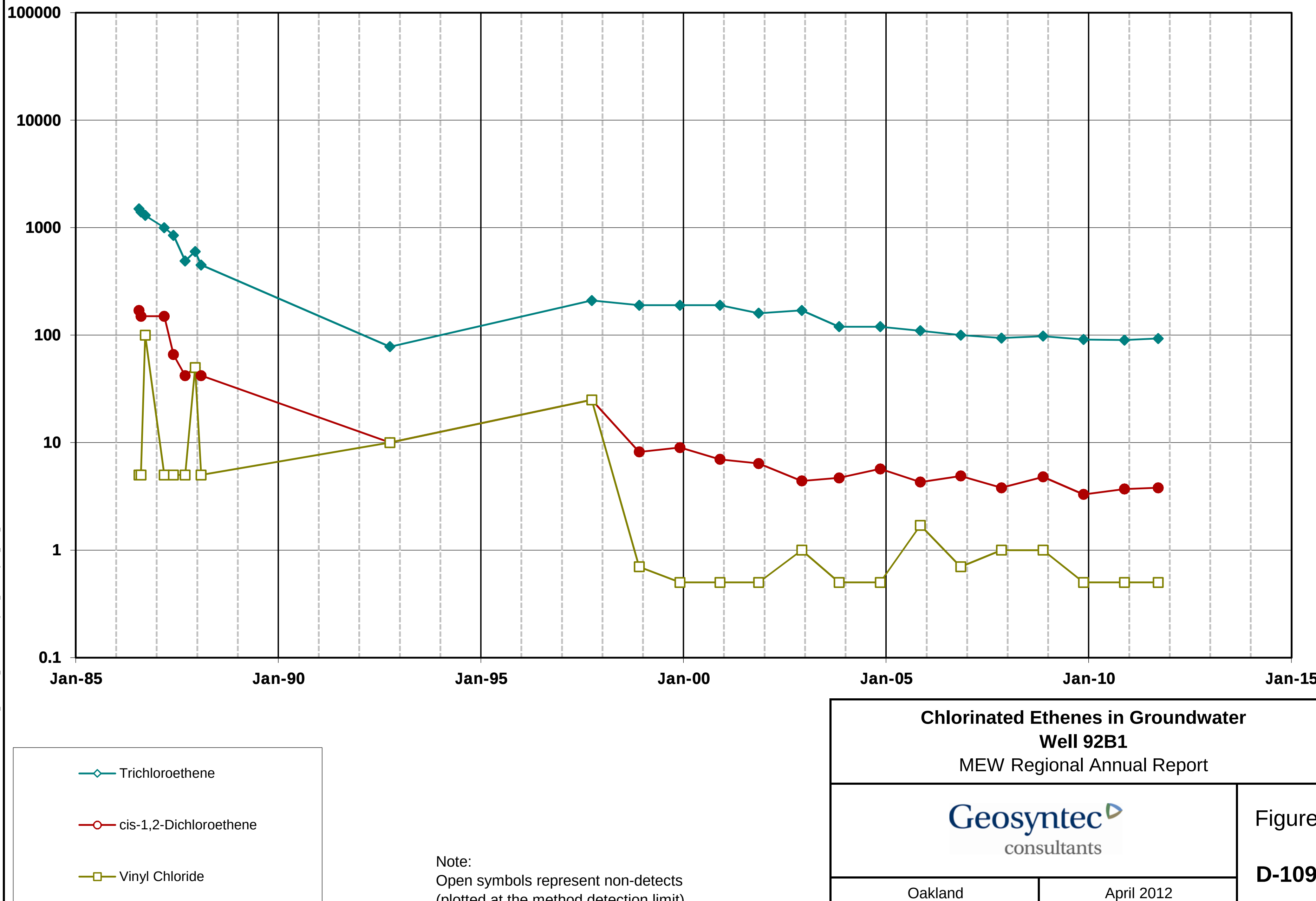
Chlorinated Ethenes in Groundwater
Well 91B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-108**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[91B1_VOC.xls]Plot_91B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

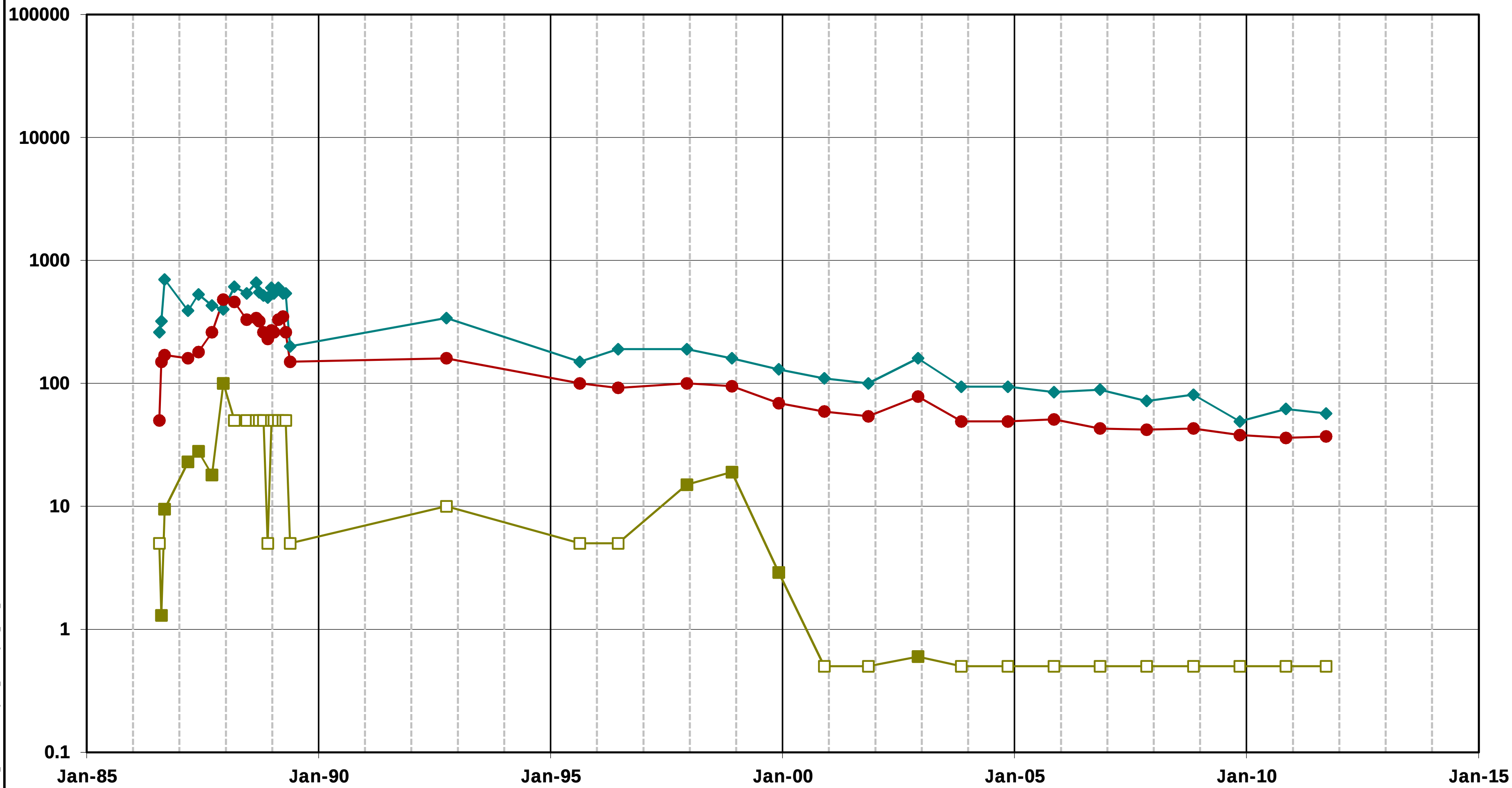
Chlorinated Ethenes in Groundwater
Well 92B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-109**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[92B1_VOC.xls]Plot_92B1_VOC



Trichloroethene

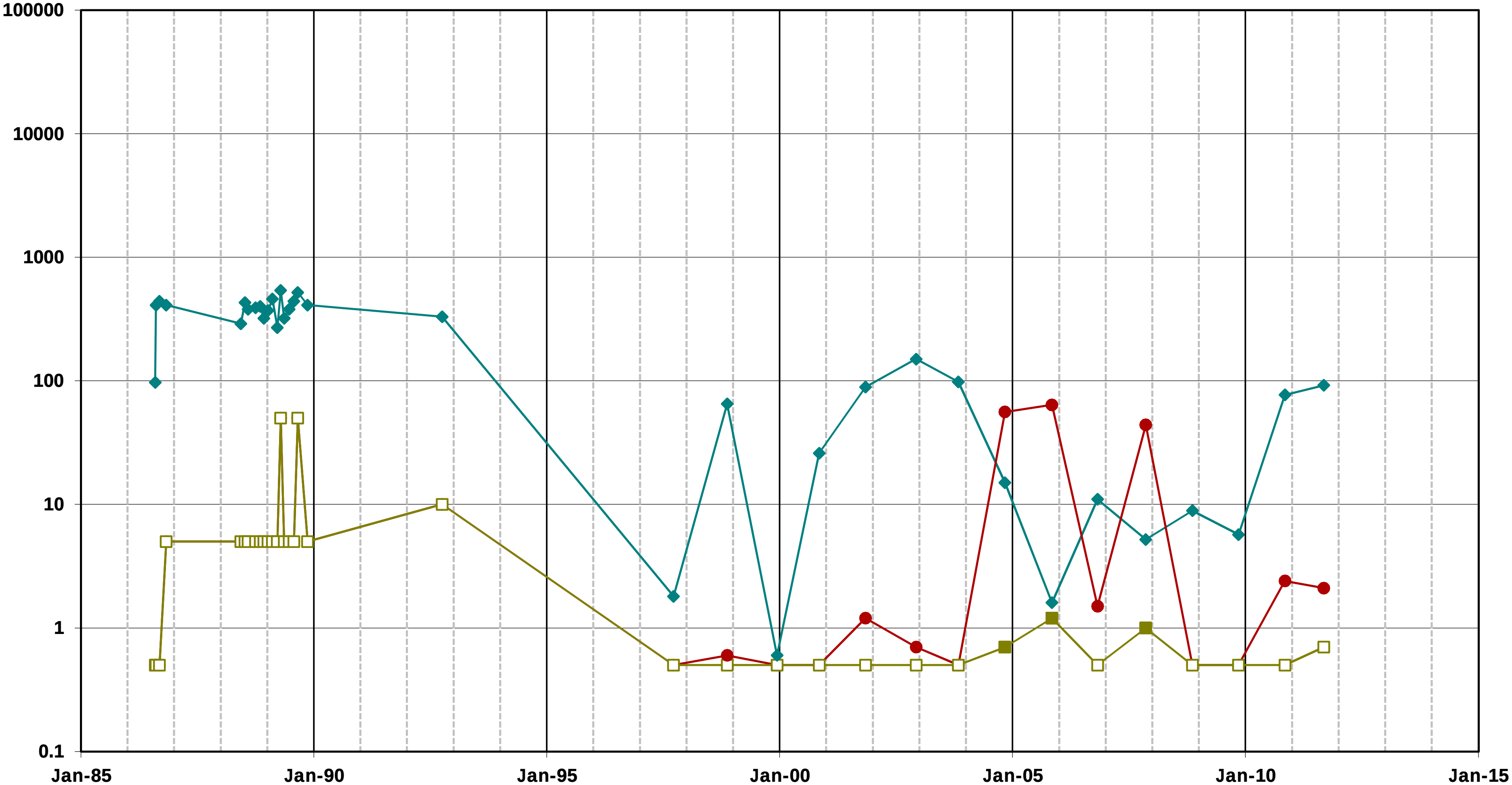
cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater **Well 98B1** MEW Regional Annual Report		
Geosyntec consultants		Figure **D-110**
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[98B1_VOC.xls]Plot_98B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 103B1
MEW Regional Annual Report

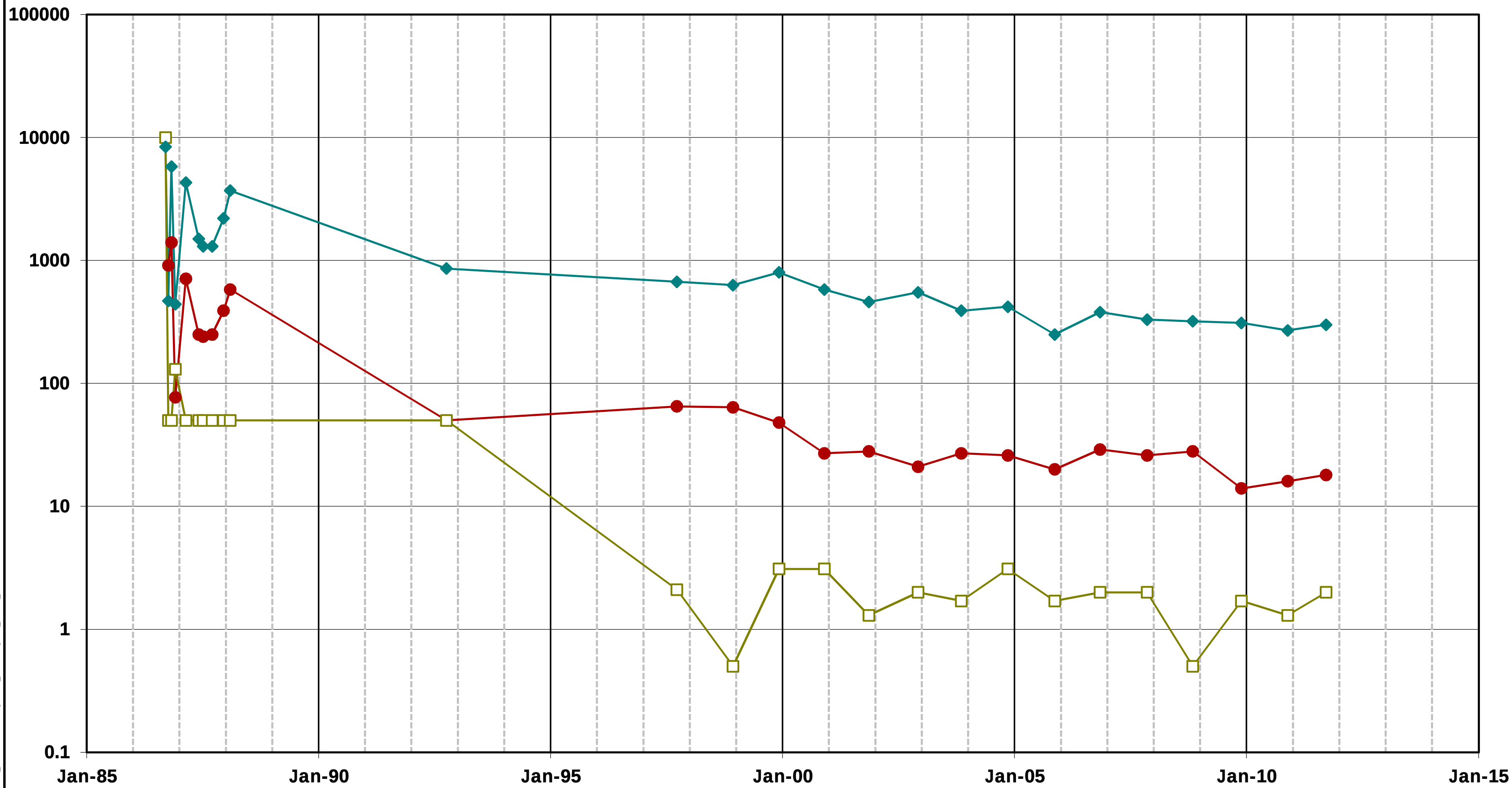
Geosyntec consultants

Figure

D-111

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[103B1_VOC.xls]Plot_103B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

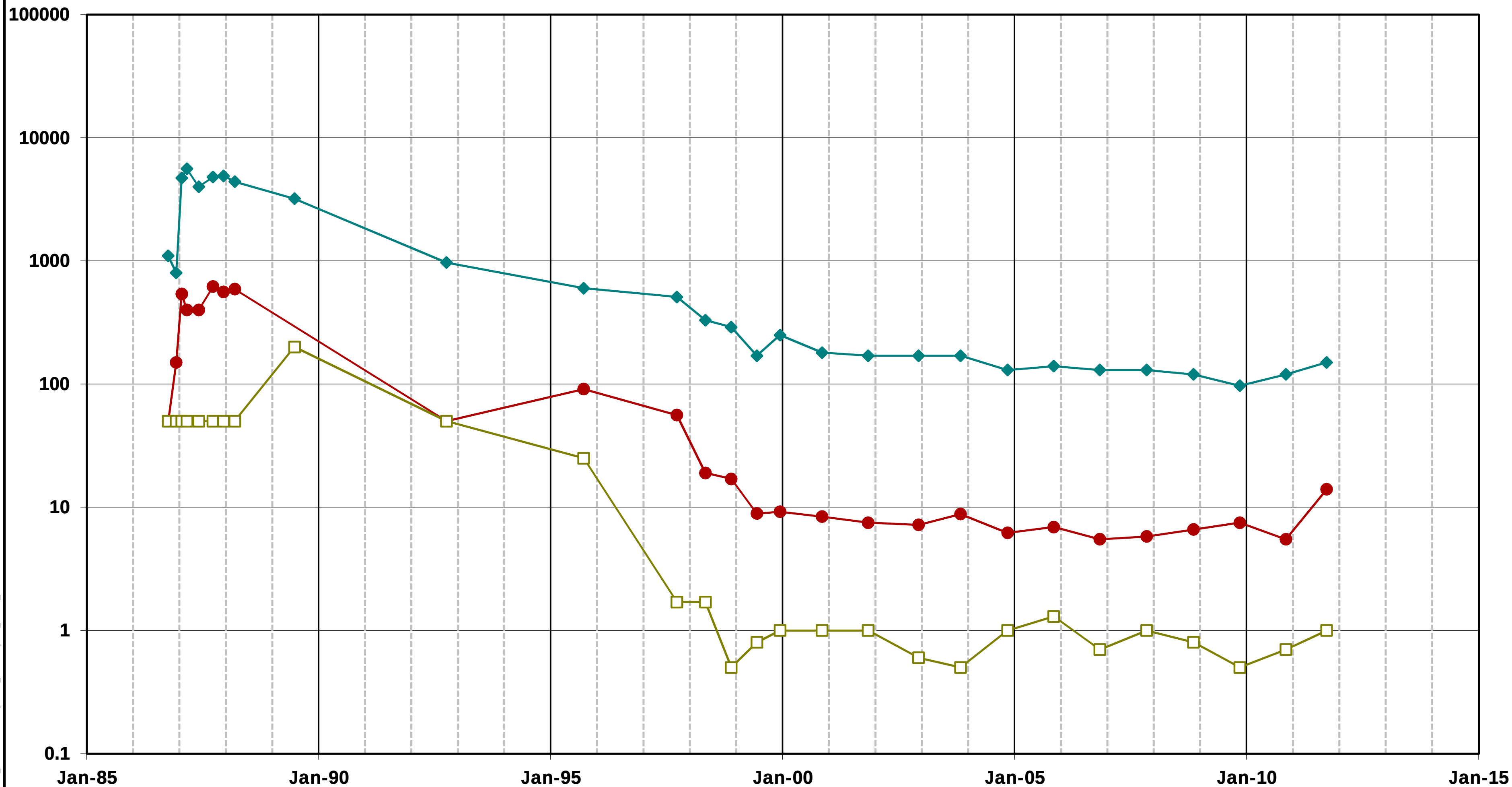
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 105B1
MEW Regional Annual Report

Geosyntec consultants

Figure
D-112

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

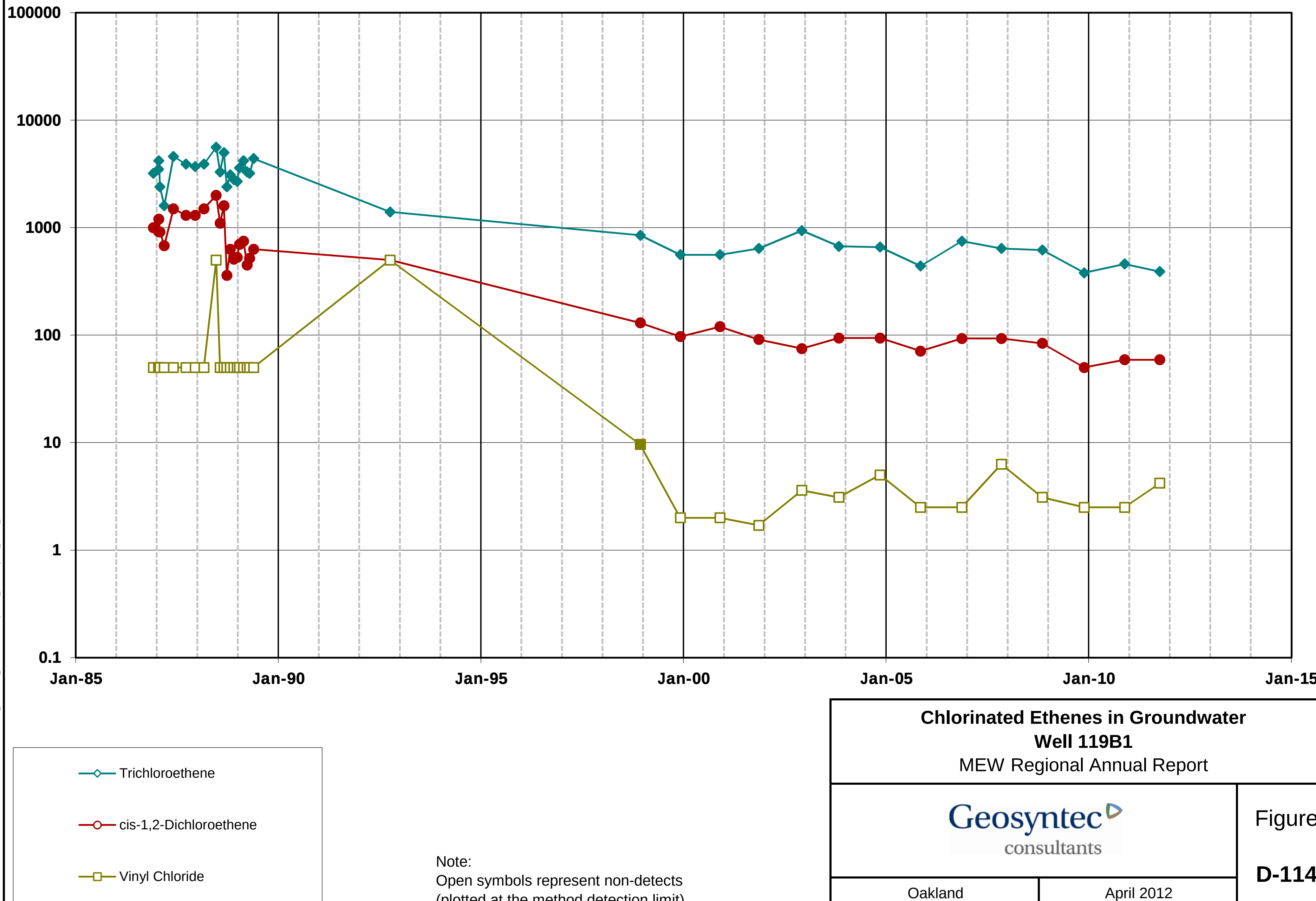
Chlorinated Ethenes in Groundwater
Well 112B1
MEW Regional Annual Report

Geosyntec consultants

Figure

D-113

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

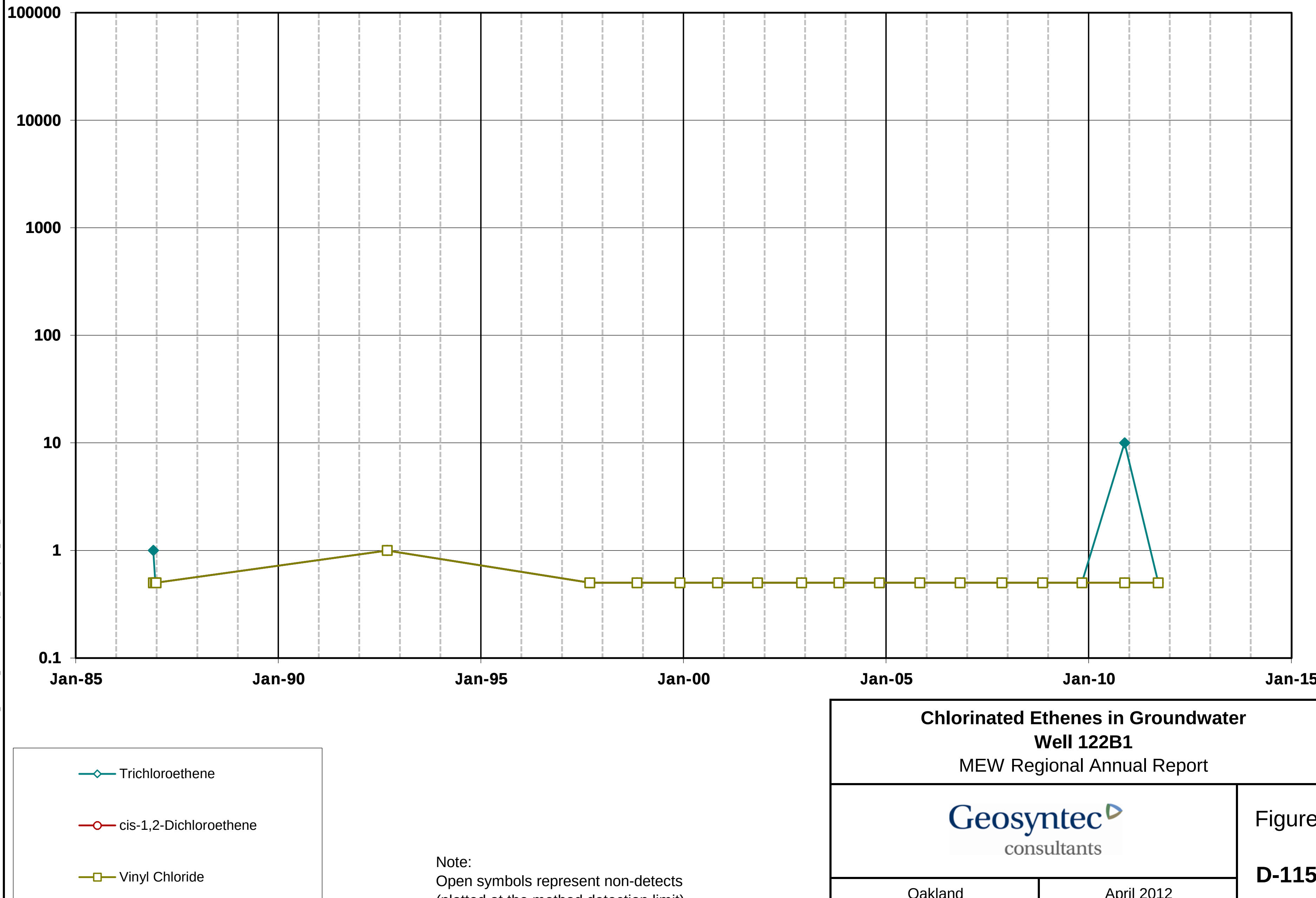
Chlorinated Ethenes in Groundwater
Well 119B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-114**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[119B1_VOC.xls]Plot_119B1_VOC

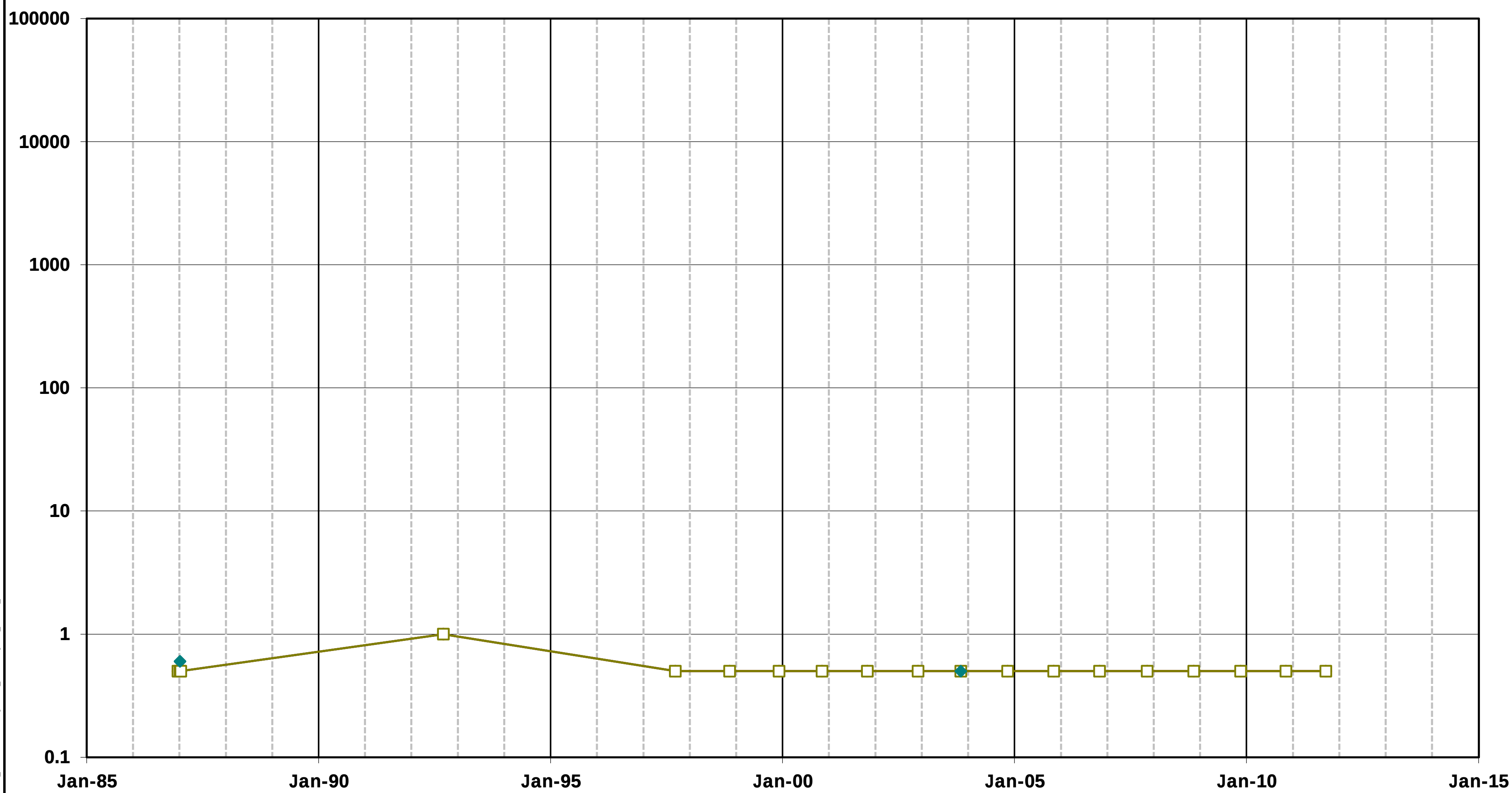


Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 122B1
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-115**



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

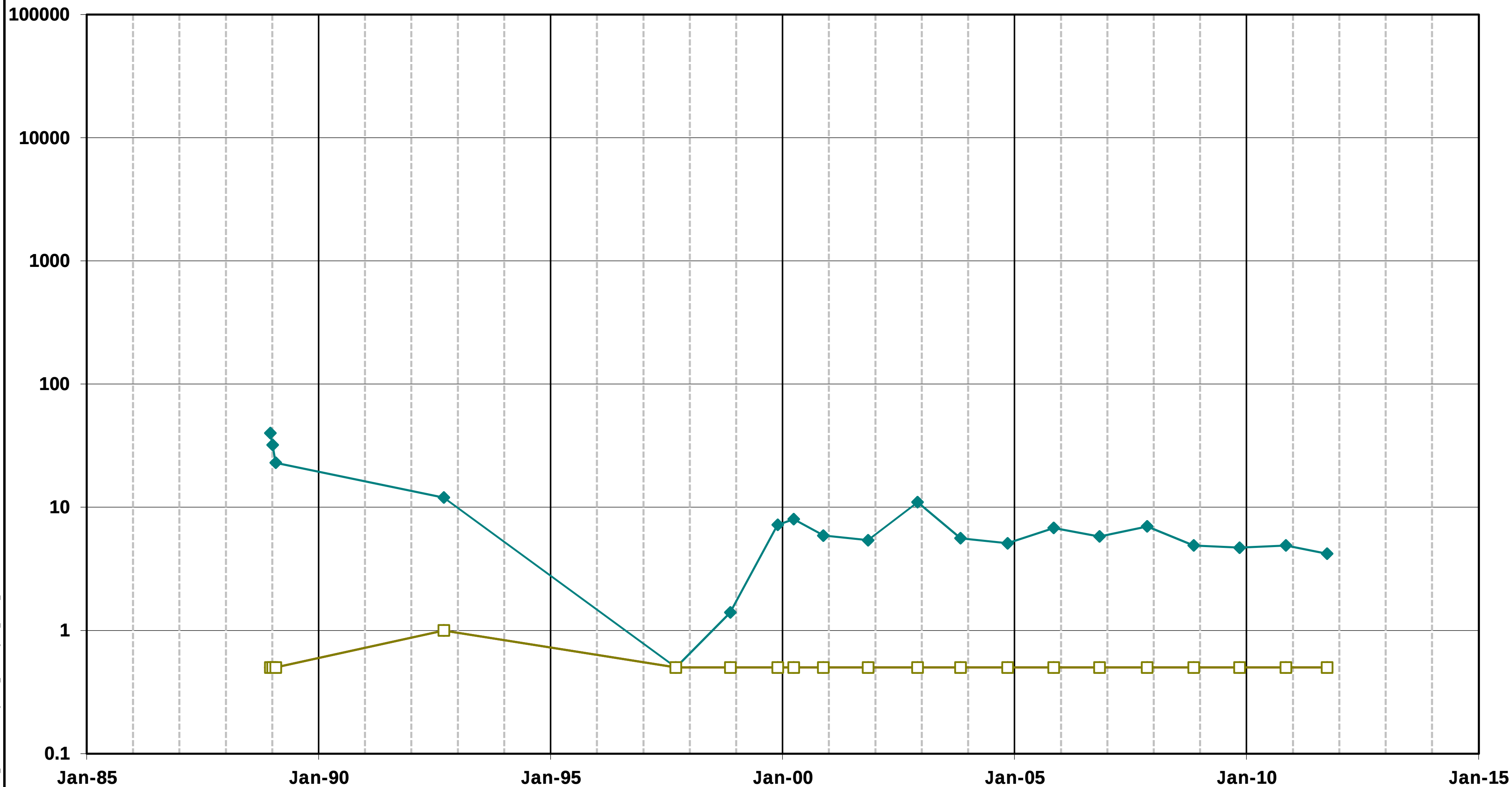
Chlorinated Ethenes in Groundwater
Well 124B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-116**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[124B1_VOC.xls]Plot_124B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 140B1
MEW Regional Annual Report

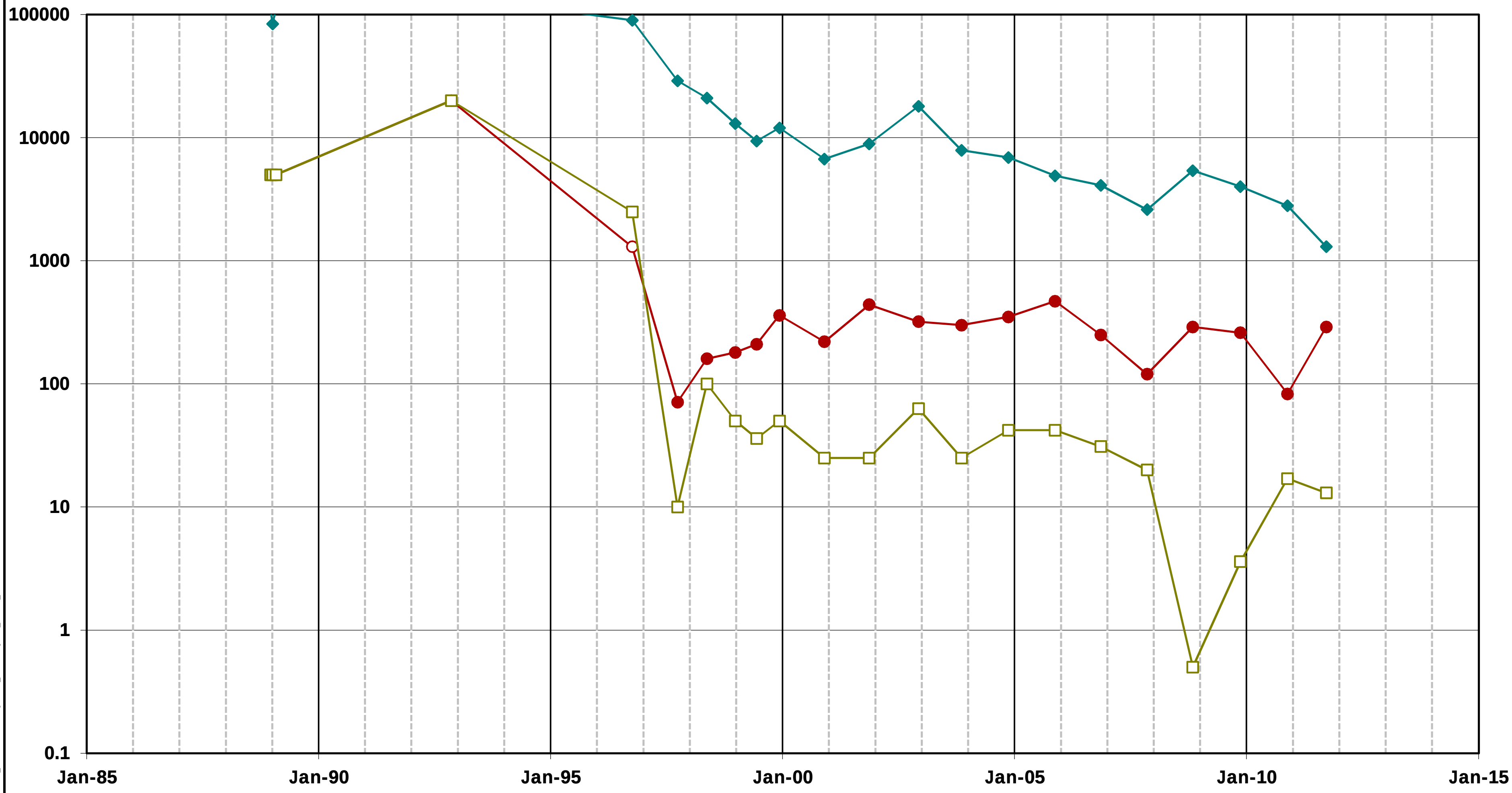
Geosyntec consultants

Figure

D-117

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[140B1_VOC.xls]Plot_140B1_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[143B1_VOC.xls]Plot_143B1_VOC

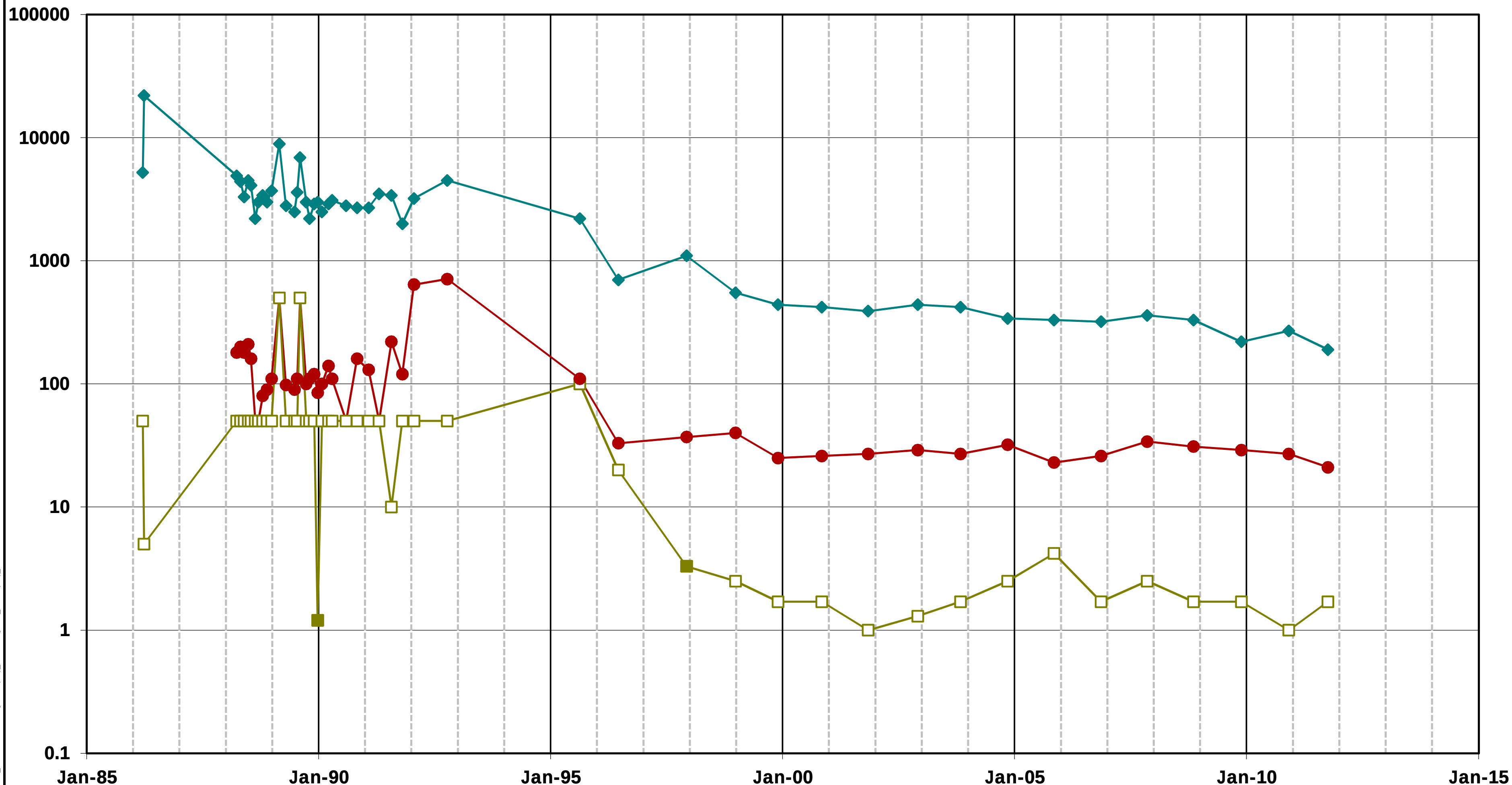
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 143B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-118**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

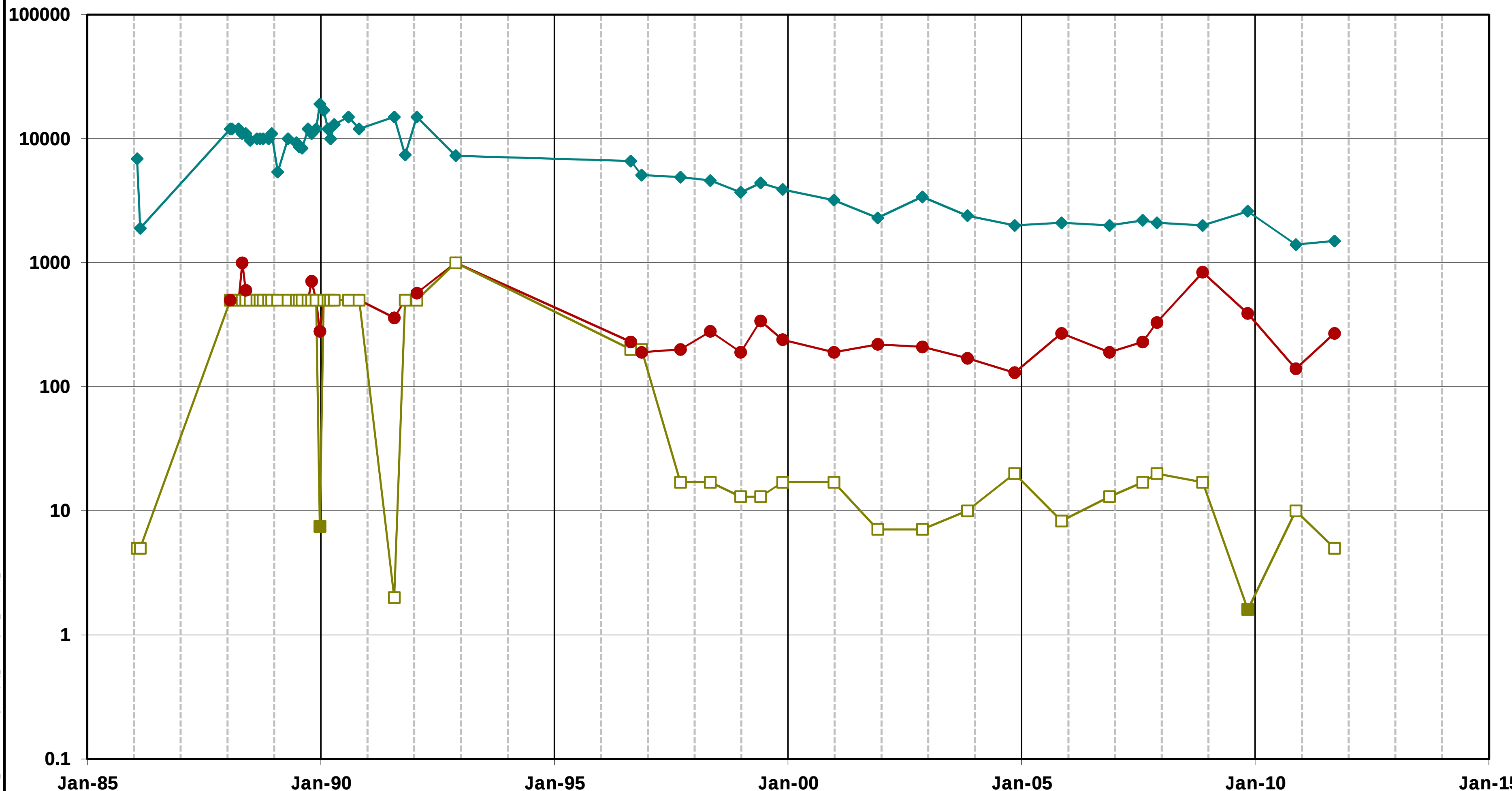
Chlorinated Ethenes in Groundwater
Well RW-2(B1)
MEW Regional Annual Report

Geosyntec consultants

Figure
D-119

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RW-2(B1)_VOC.xls]Plot_RW-2(B1)_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well RW-4(B1)
MEW Regional Annual Report

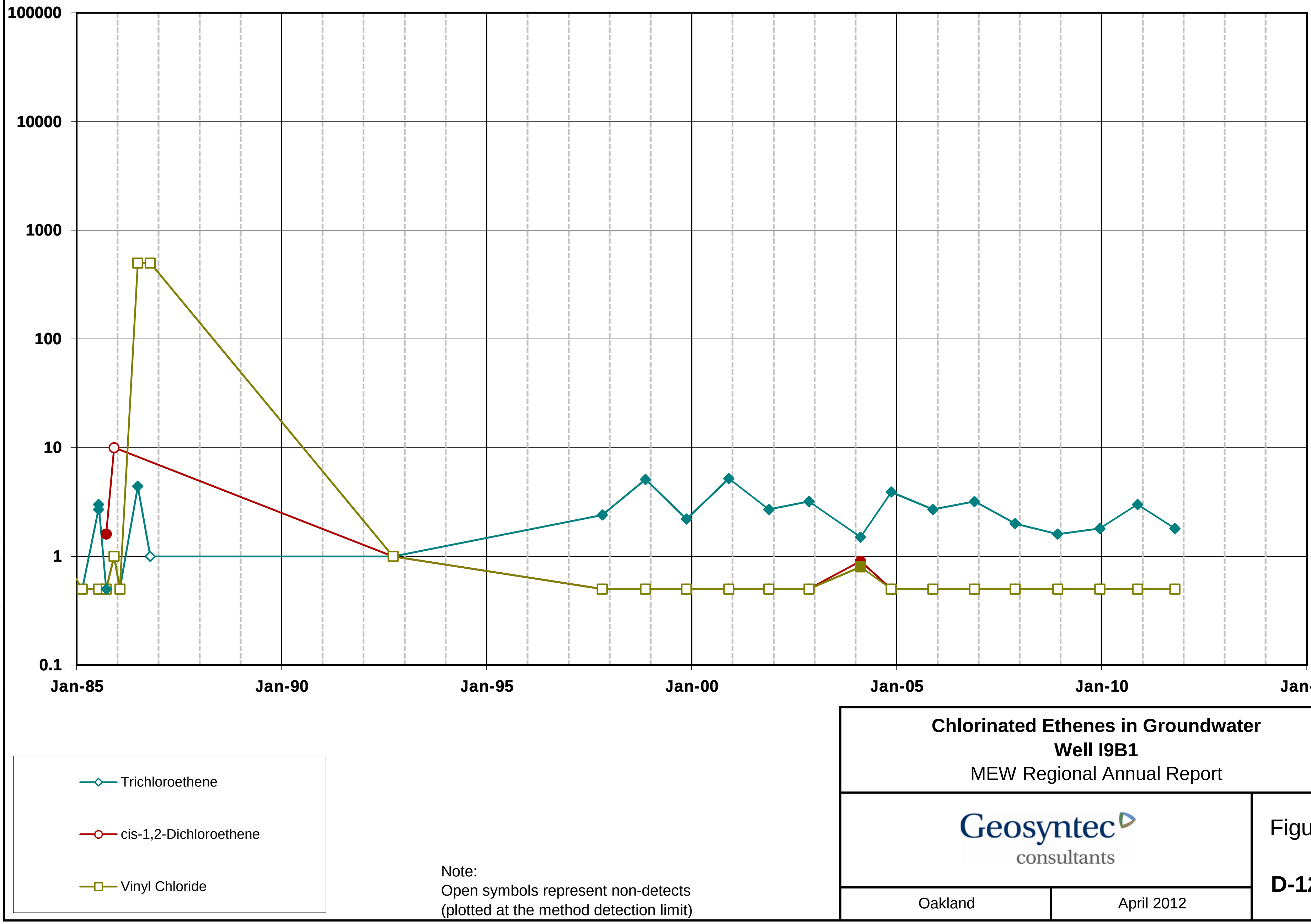
Geosyntec consultants

Figure

D-120

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RW-4(B1)_VOC.xls]Plot_RW-4(B1)_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

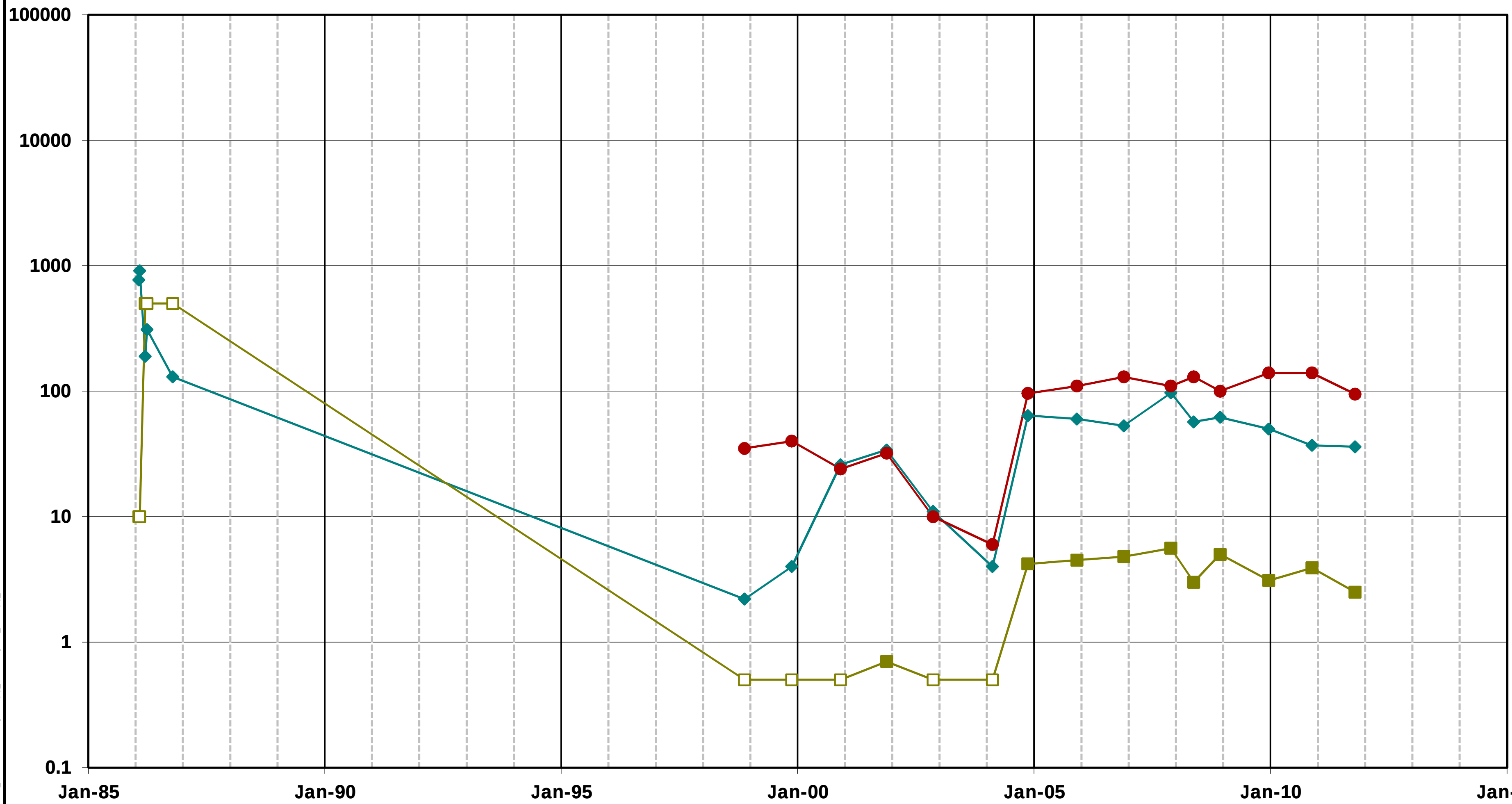
Chlorinated Ethenes in Groundwater
Well I9B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-121**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[I9B1_VOC.xls]Plot_I9B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well IM5B(1)
MEW Regional Annual Report

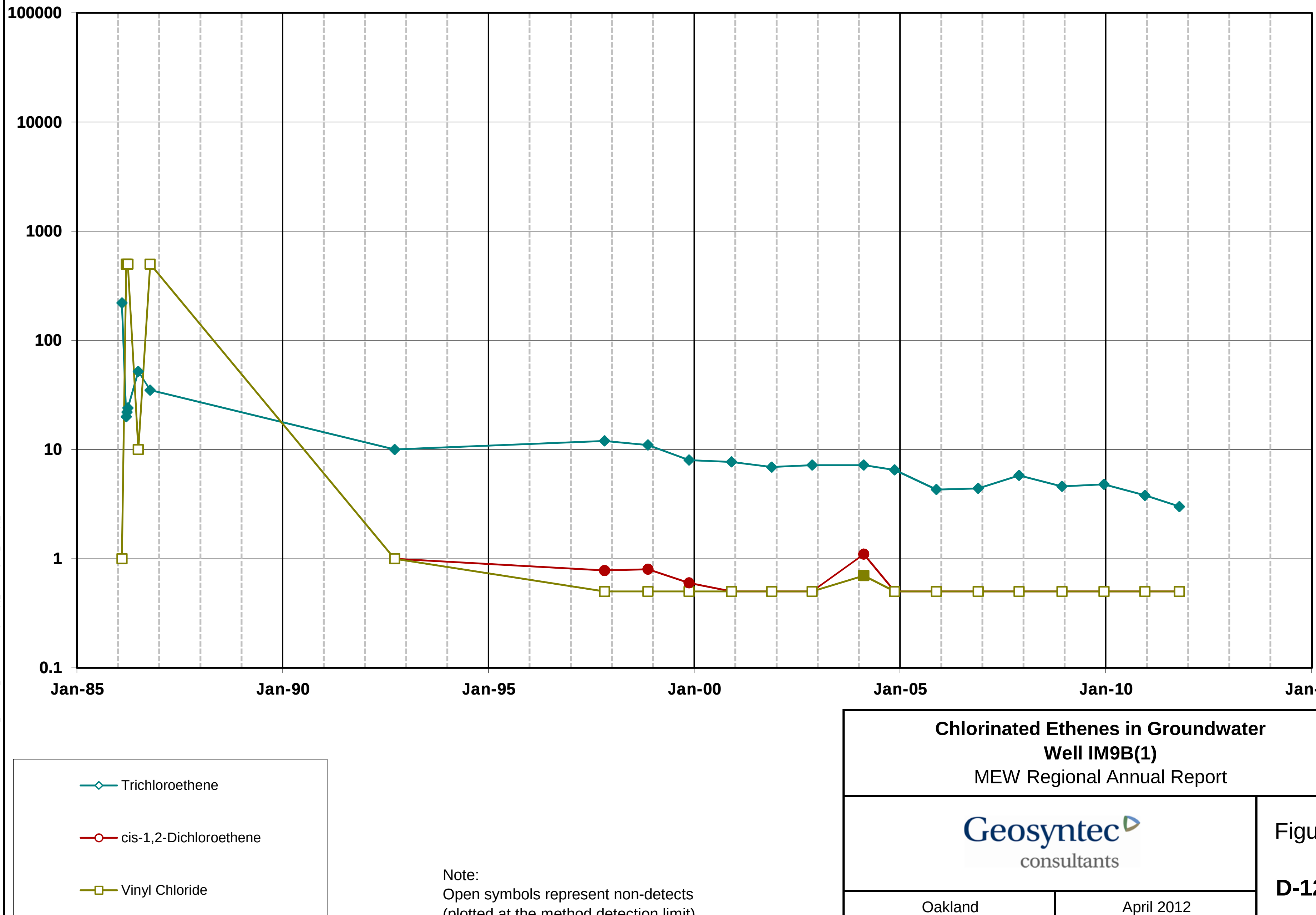
Geosyntec consultants

Figure

D-122

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[IM5B(1)_VOC.xls]Plot_IM5B(1)_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well IM9B(1)
MEW Regional Annual Report

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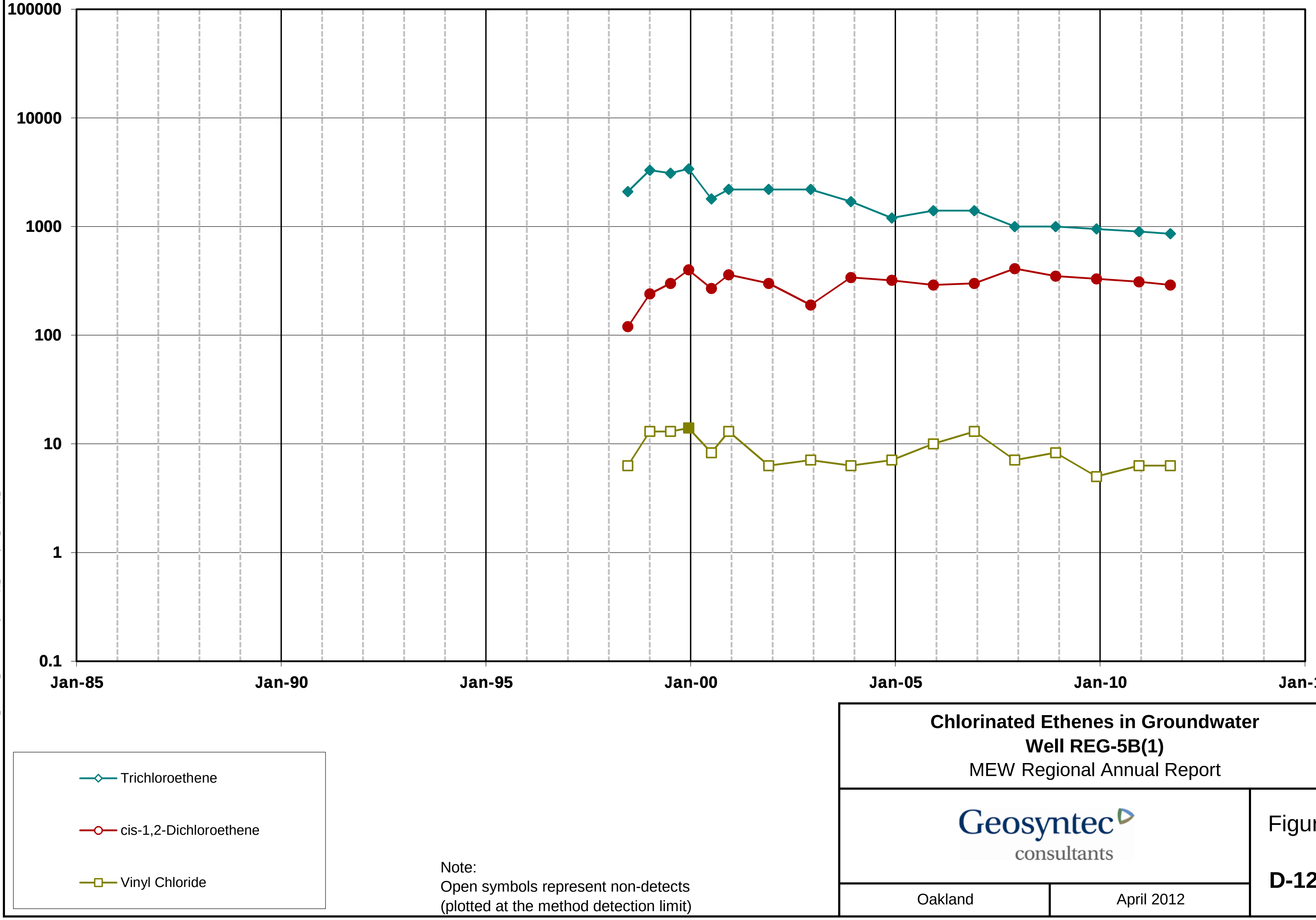
Figure
D-123

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

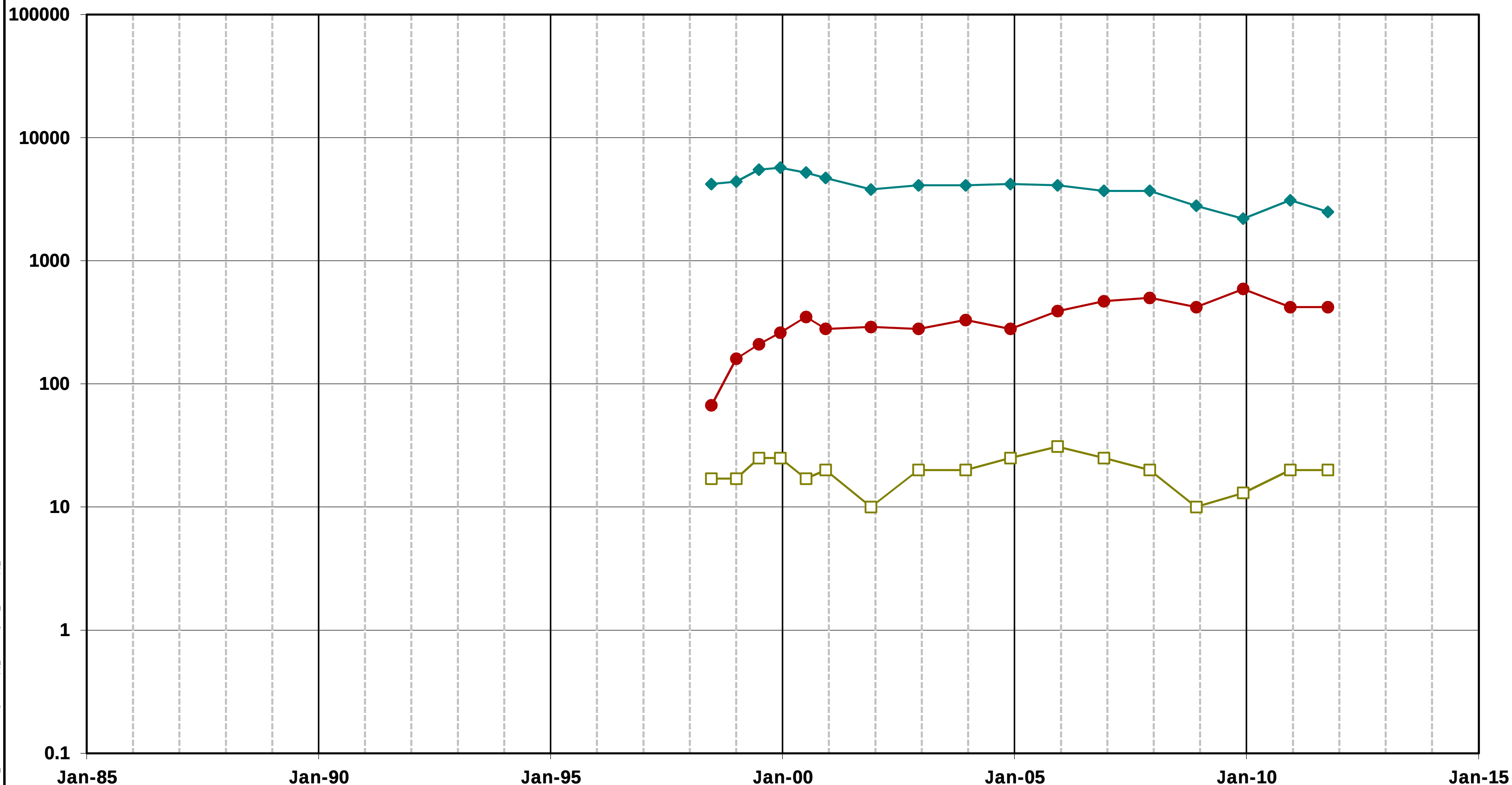
Chlorinated Ethenes in Groundwater
Well REG-5B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-124**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-5B(1)_VOC.xls]Plot_REG-5B(1)_VOC



Trichloroethene
cis-1,2-Dichloroethene
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

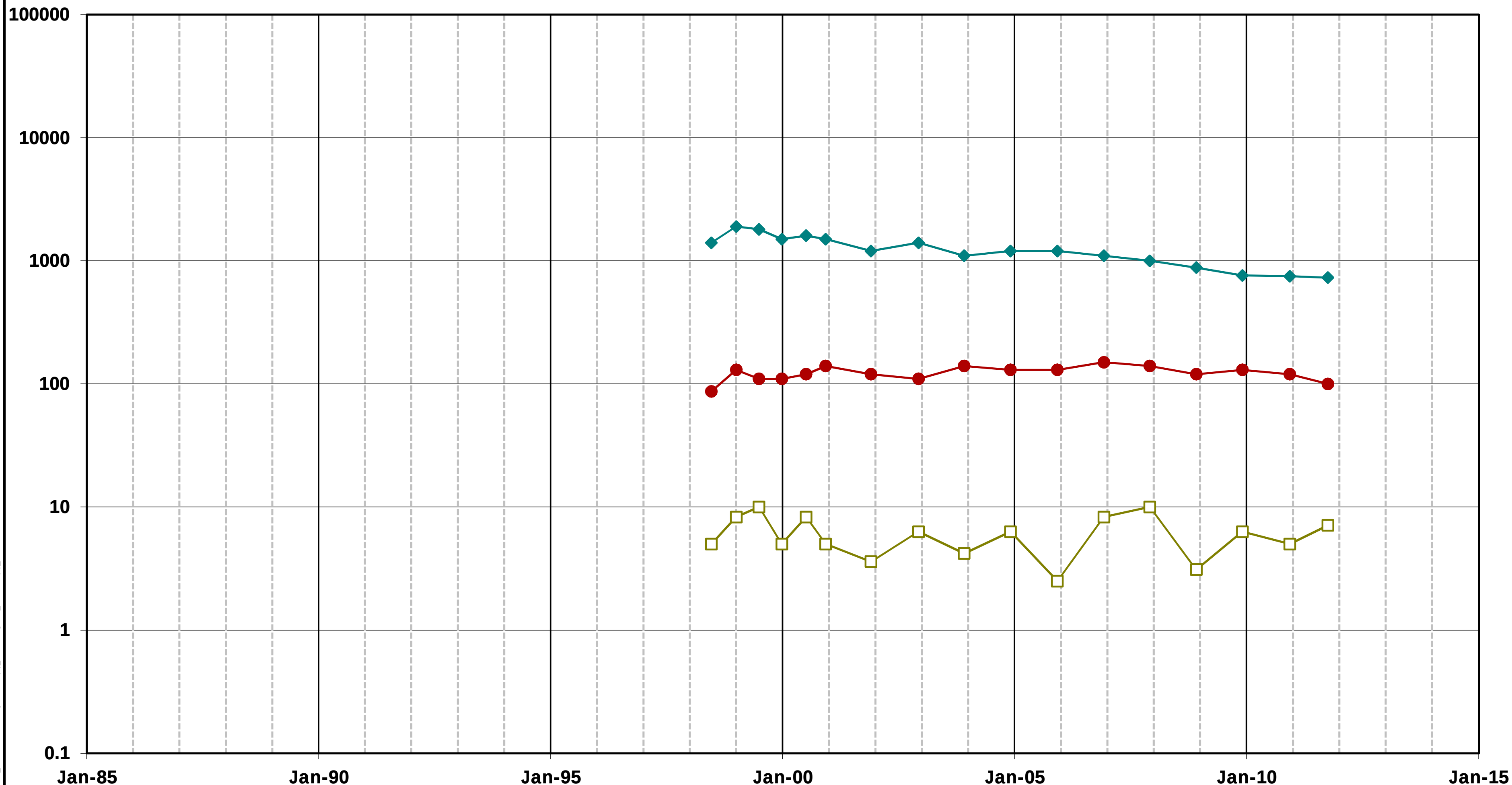
Chlorinated Ethenes in Groundwater
Well REG-6B(1)
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure
D-125

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-6B(1)_VOC.xls]Plot_REG-6B(1)_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

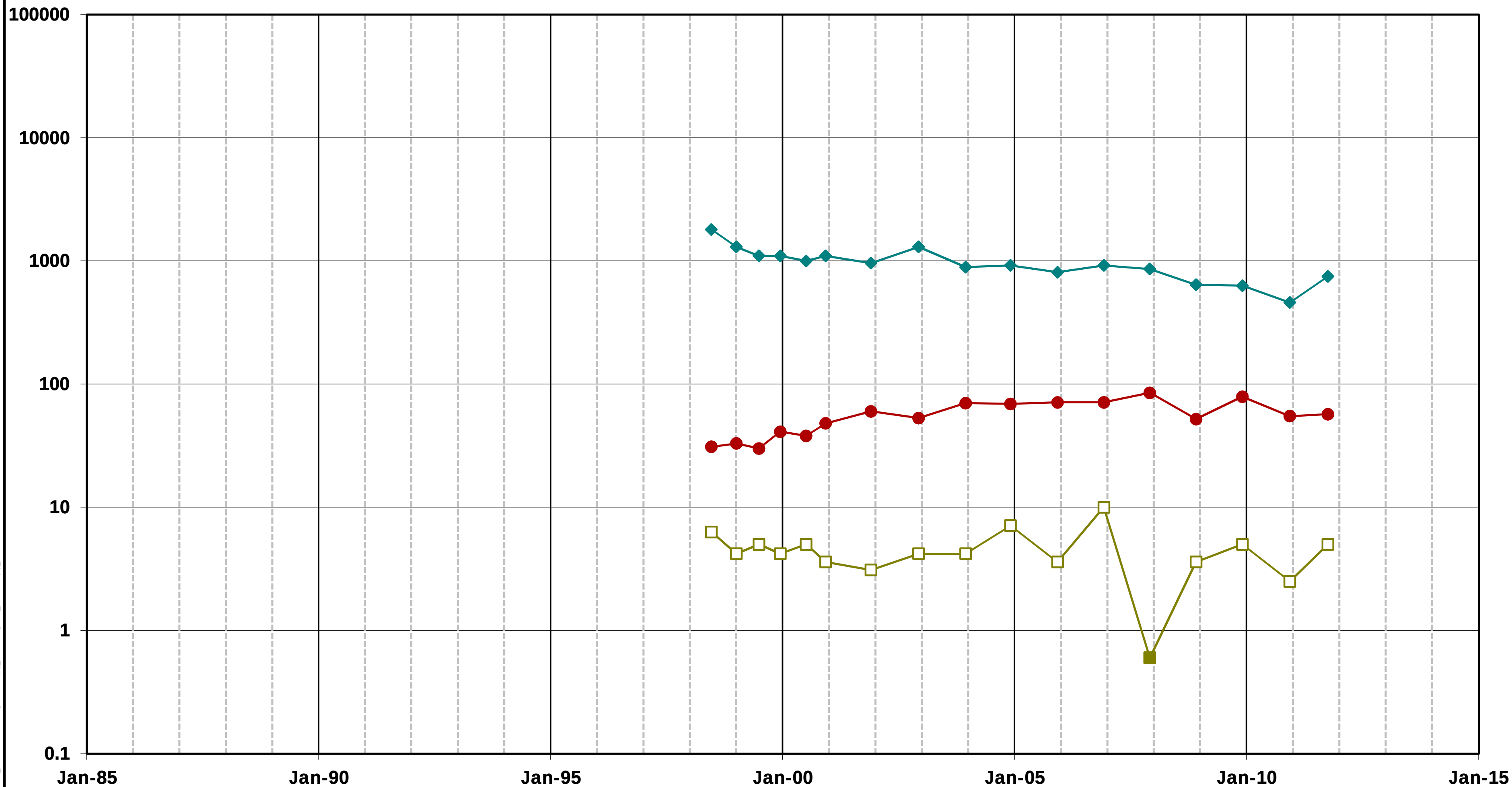
Chlorinated Ethenes in Groundwater
Well REG-7B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure
D-126

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-7B(1)_VOC.xls]Plot_REG-7B(1)_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-8B(1)
MEW Regional Annual Report

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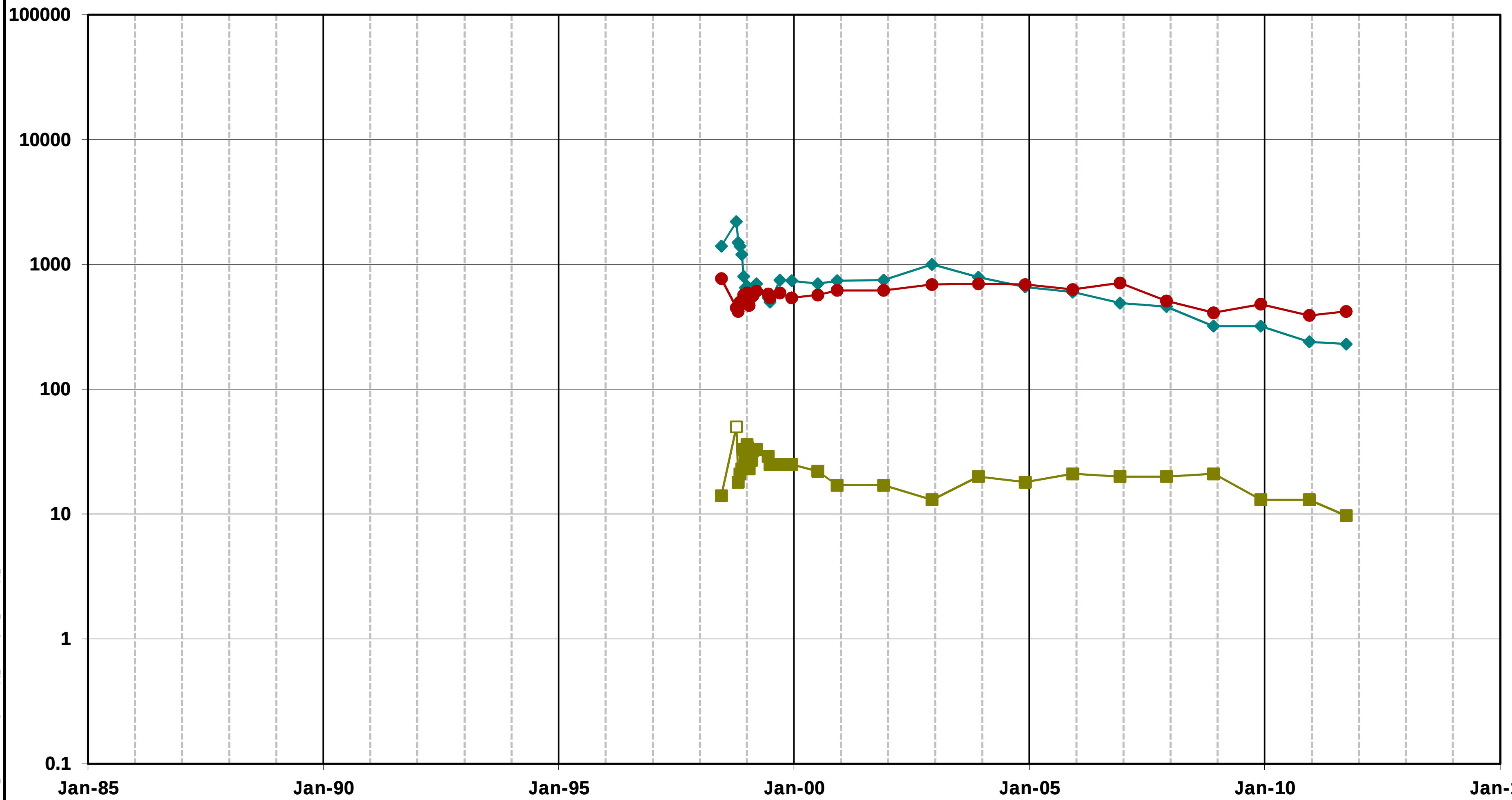
consultants

Figure
D-127

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-8B(1)_VOC.xls]Plot_REG-8B(1)_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

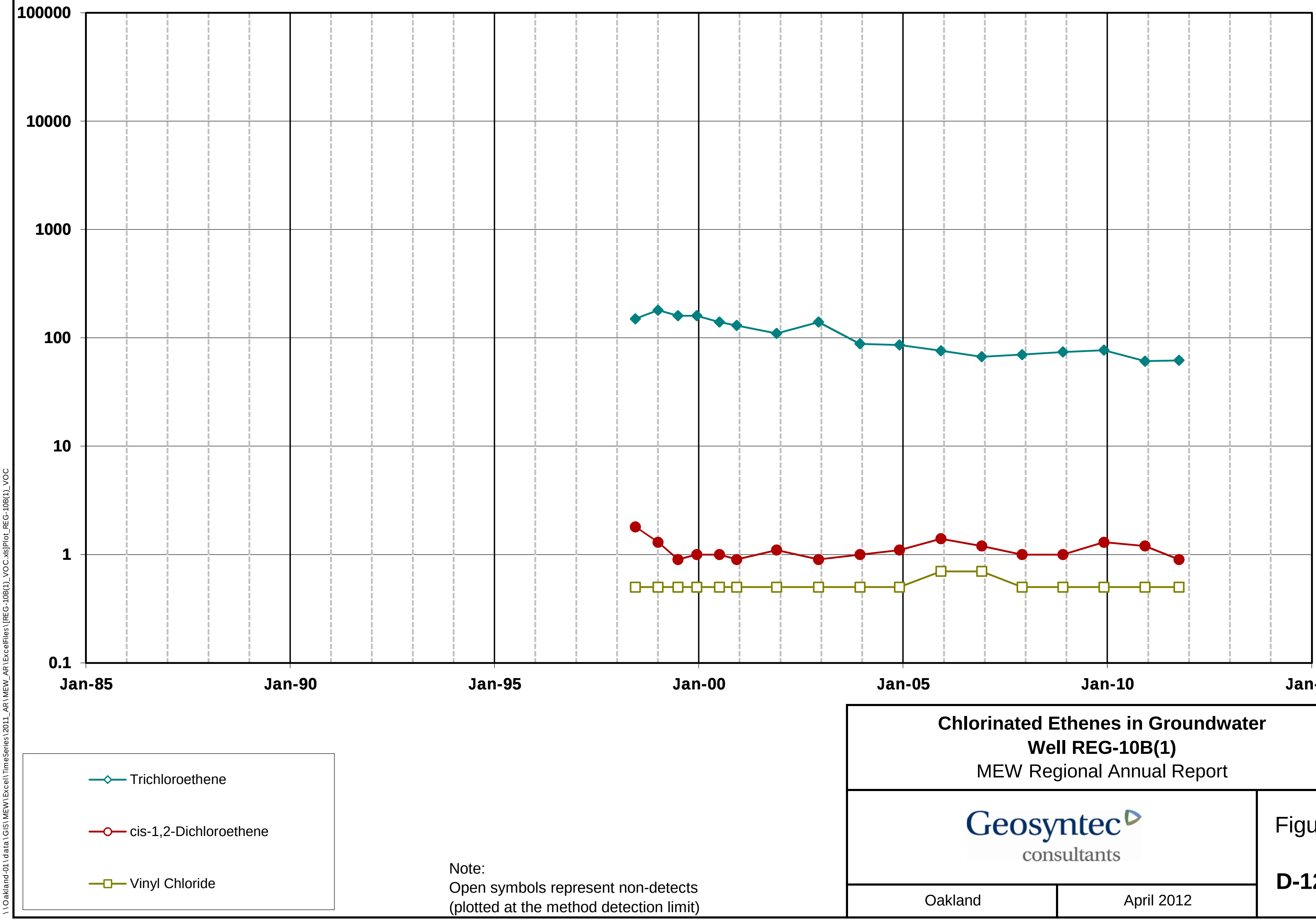
Chlorinated Ethenes in Groundwater
Well REG-9B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-128**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-9B(1)_VOC.xls]Plot_REG-9B(1)_VOC



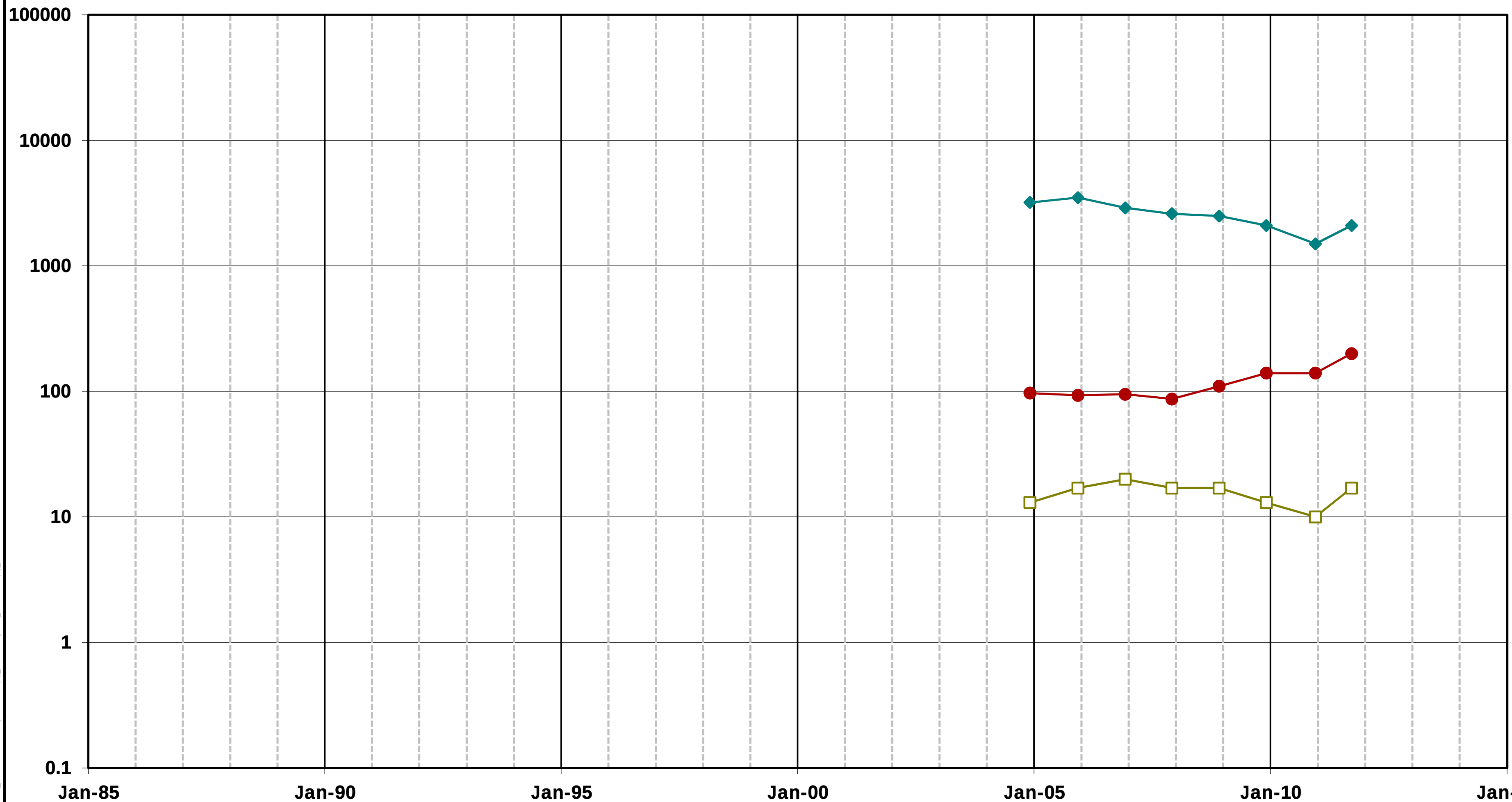
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-10B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-129**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

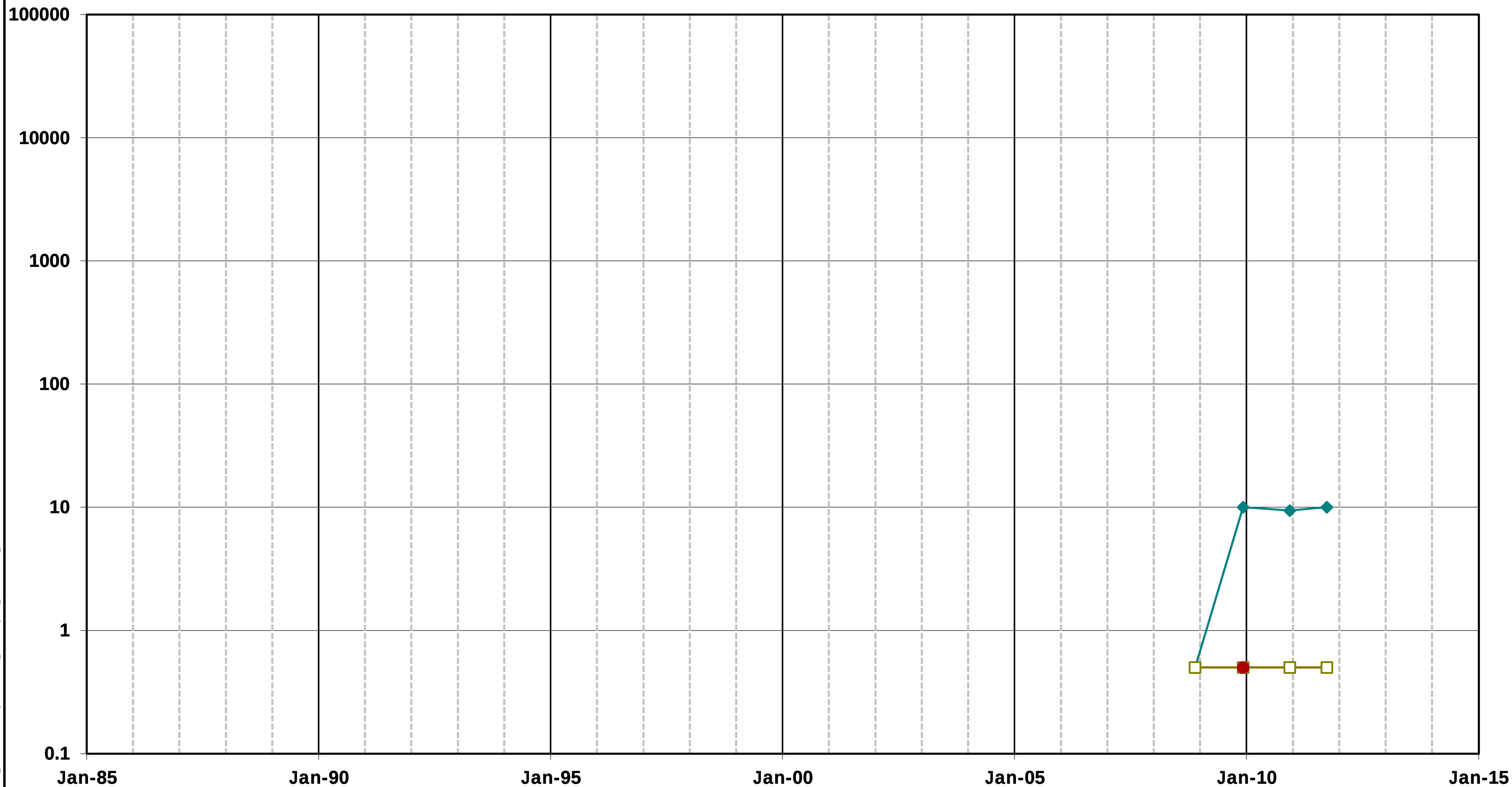
Chlorinated Ethenes in Groundwater
Well REG-12B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-130**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-12B(1)_VOC.xls]Plot_REG-12B(1)_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

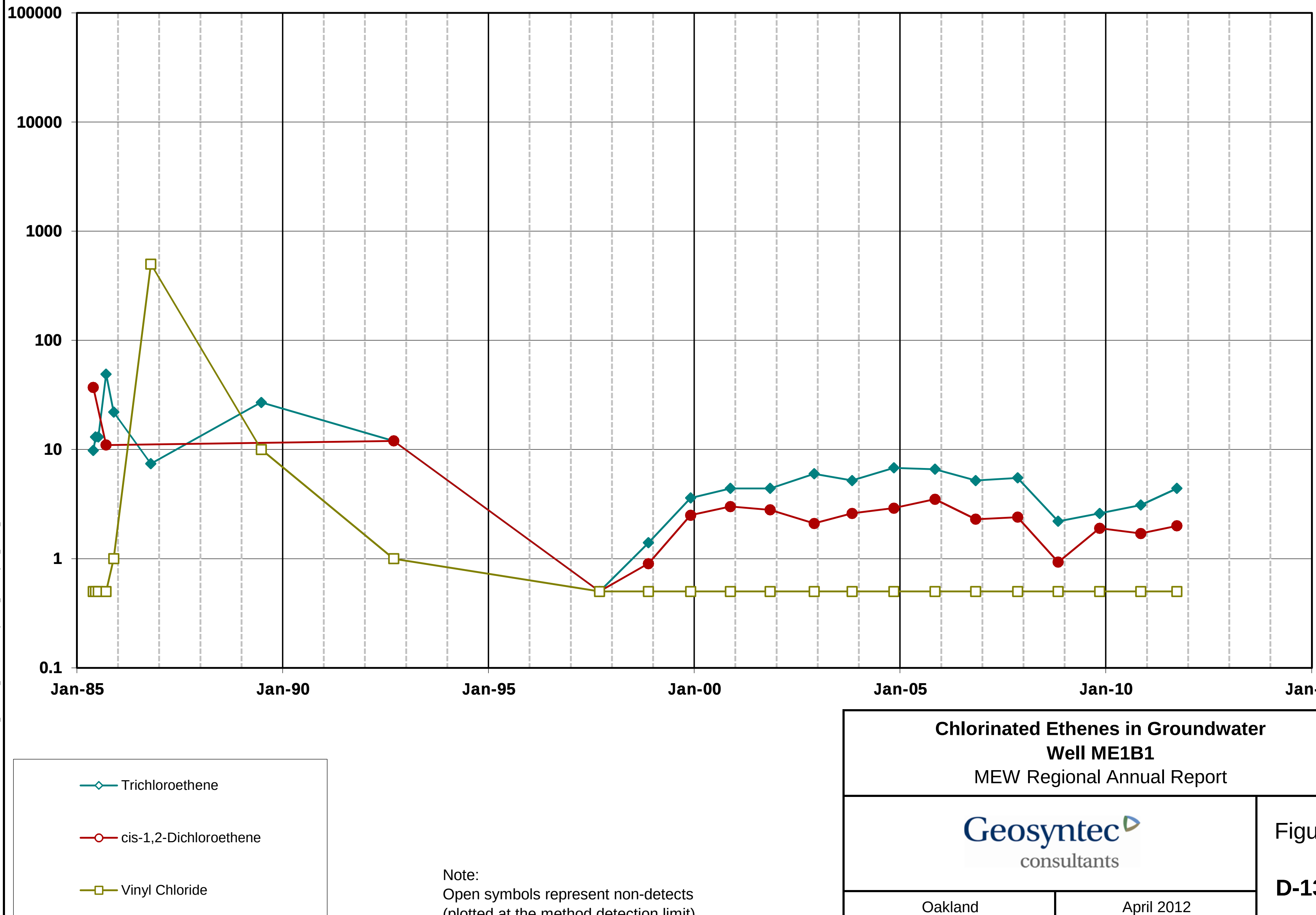
Chlorinated Ethenes in Groundwater
Well W89-13B1-R
MEW Regional Annual Report

Geosyntec consultants

Figure **D-131**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-13B1-R_VOC.xls]Plot_W89-13B1-R_VOC



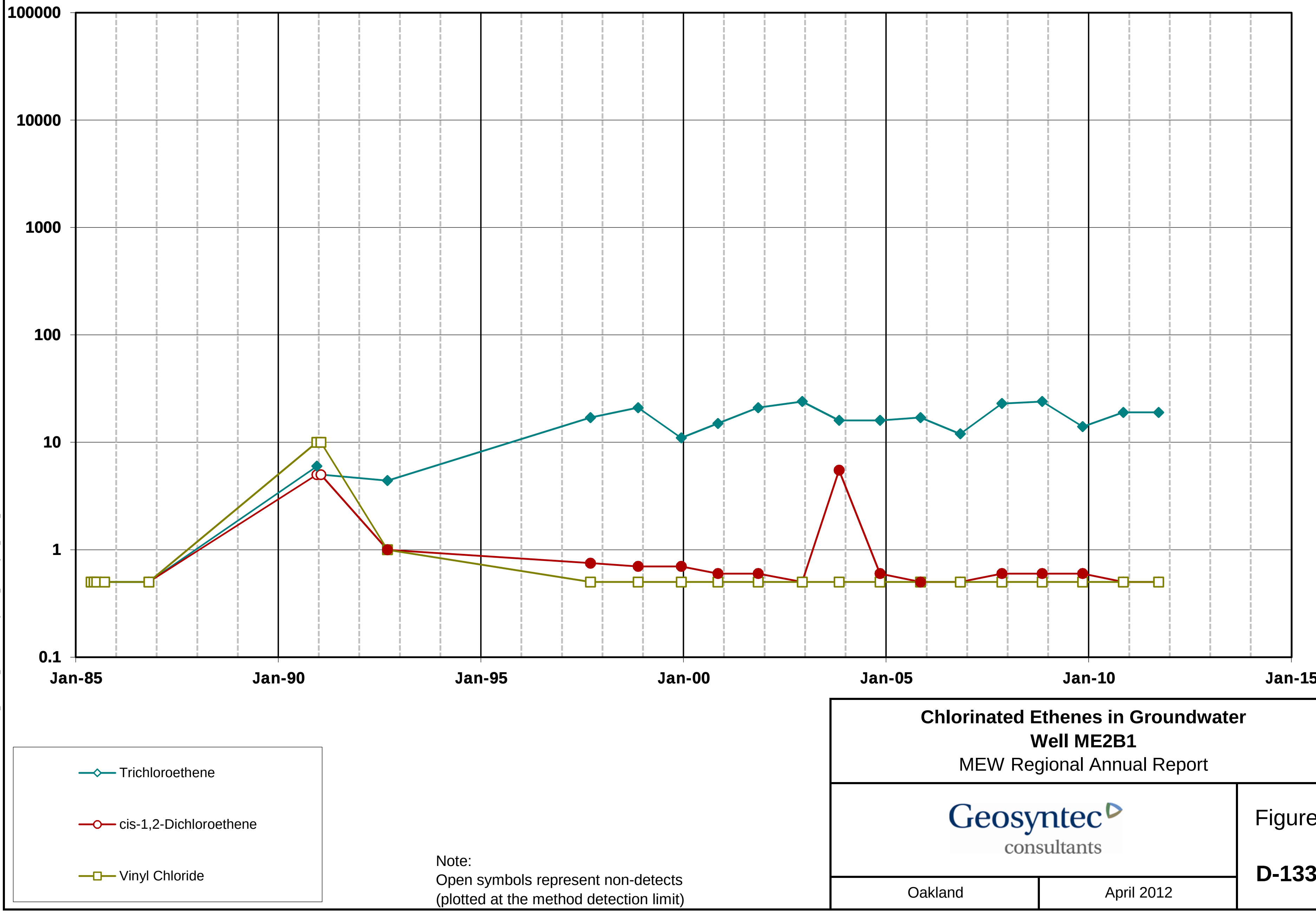
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well ME1B1
MEW Regional Annual Report

Geosyntec consultants

Figure
D-132

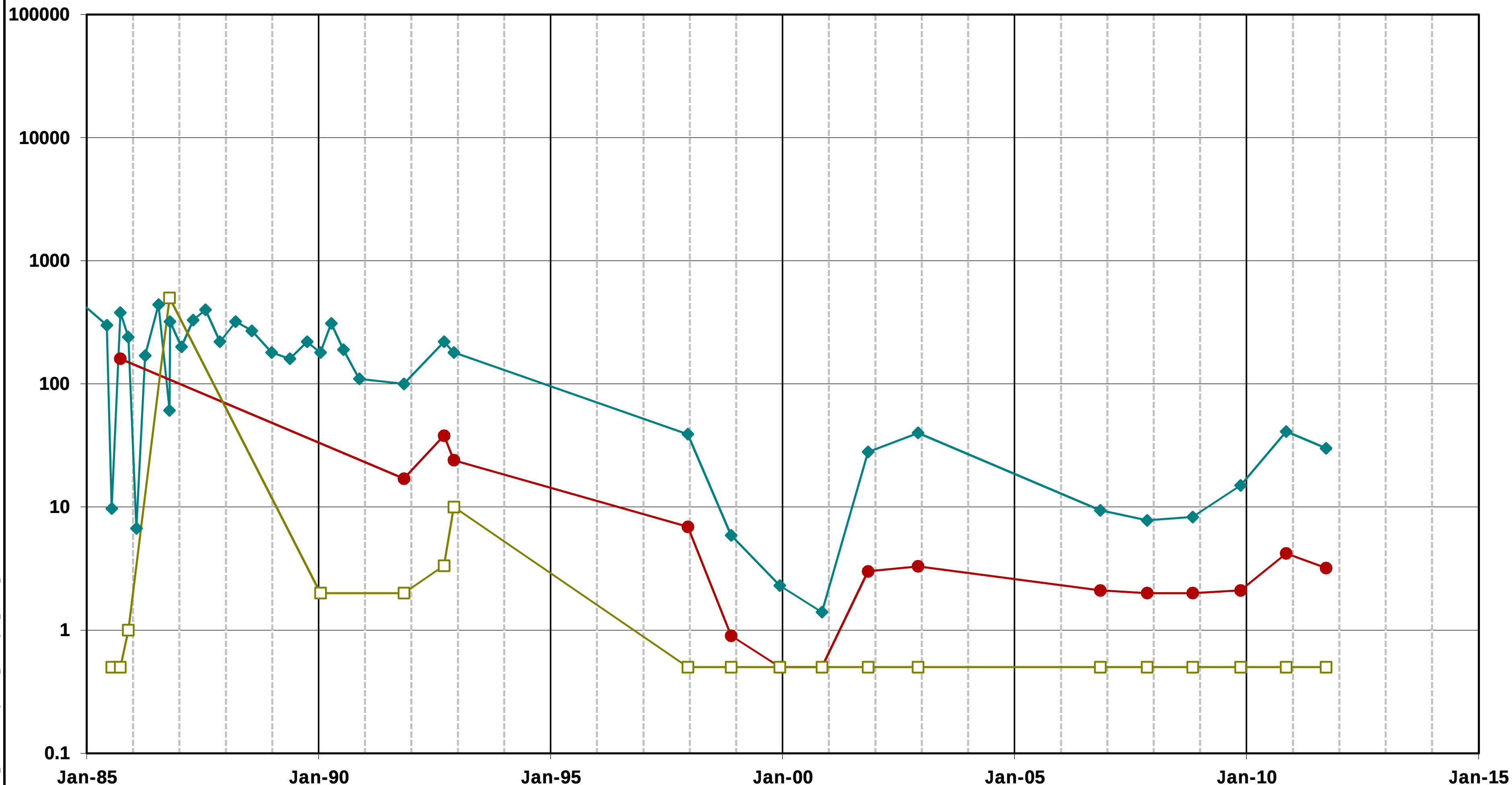
Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[ME2B1_VOC.xls]Plot_ME2B1_VOC

Chlorinated Ethenes in Groundwater Well ME2B1 MEW Regional Annual Report		
Geosyntec consultants		Figure D-133
Oakland	April 2012	



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[NEC8B1_VOC.xls]Plot_NEC8B1_VOC

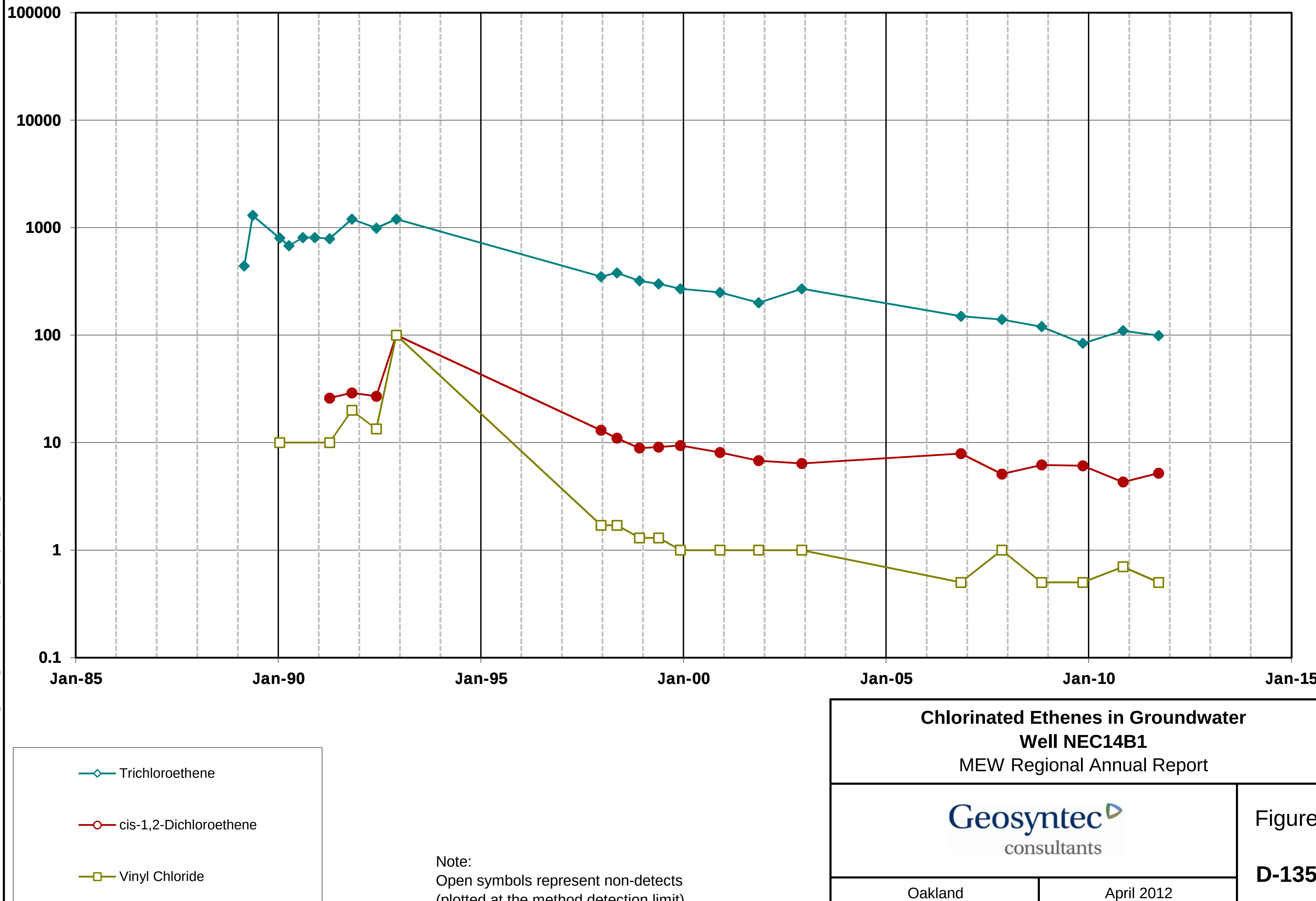
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well NEC8B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-134**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

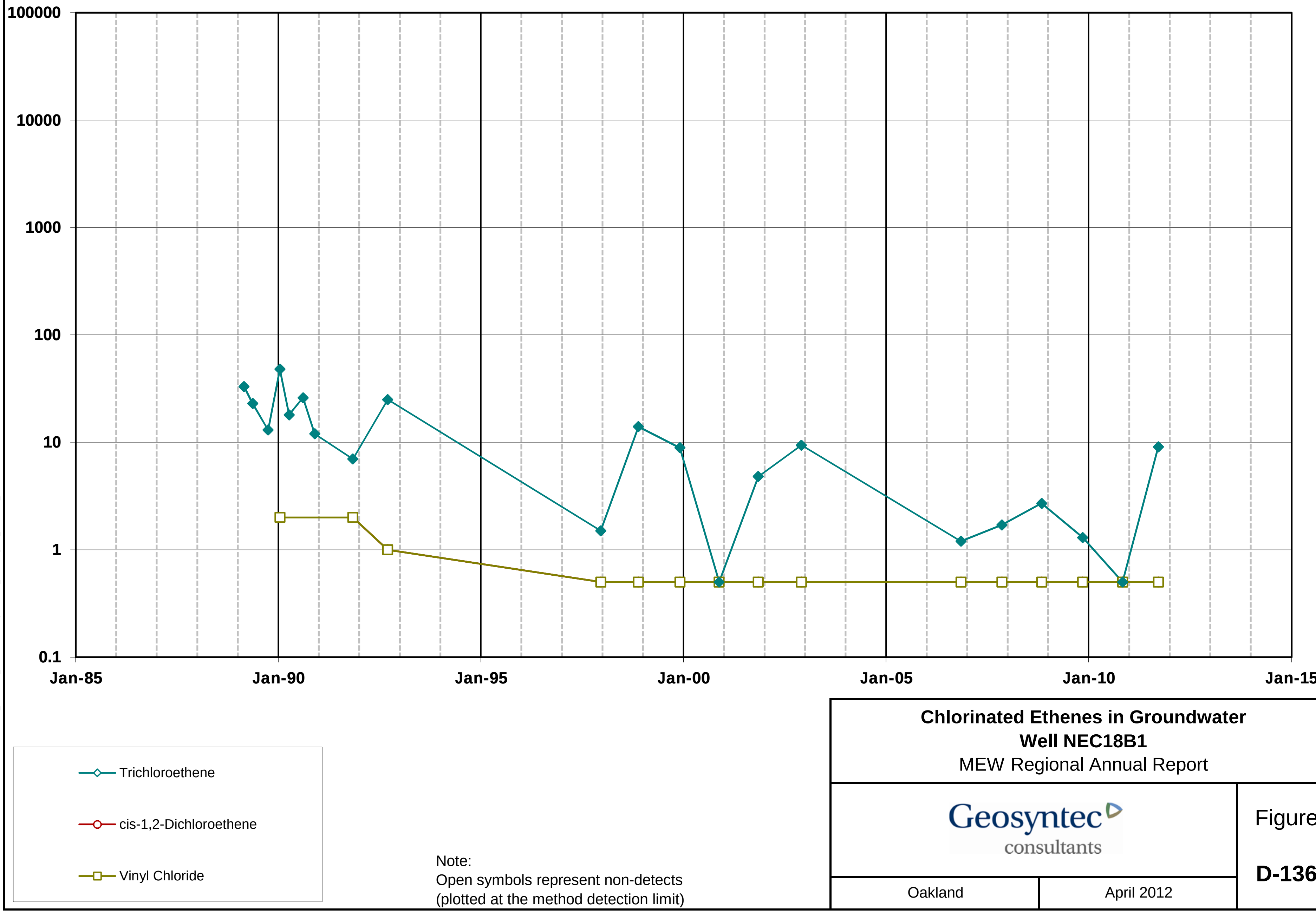
Chlorinated Ethenes in Groundwater
Well NEC14B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-135**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[NEC14B1_VOC.xls]Plot_NEC14B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

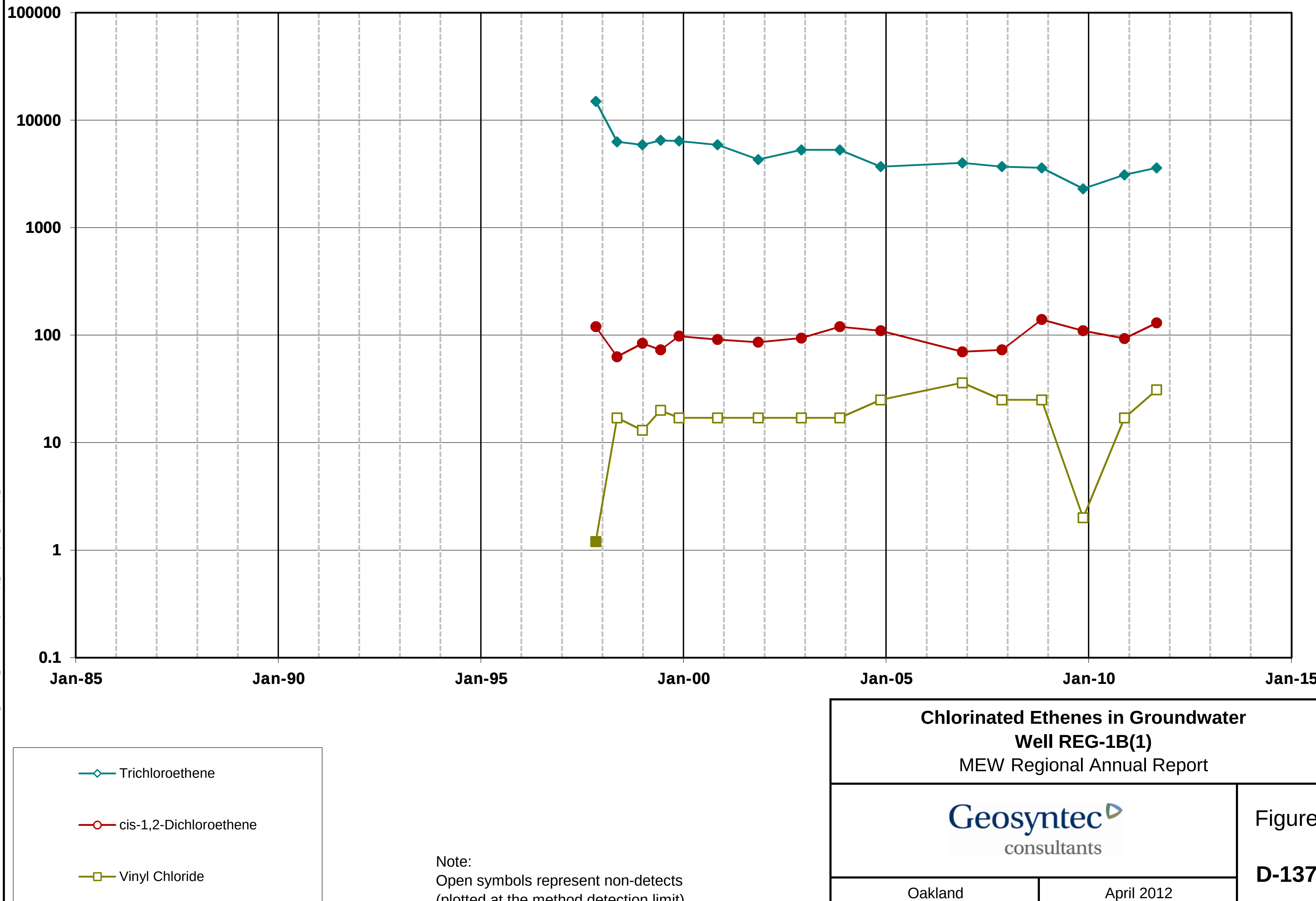
Chlorinated Ethenes in Groundwater
Well NEC18B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-136**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[NEC18B1_VOC.xls]Plot_NEC18B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

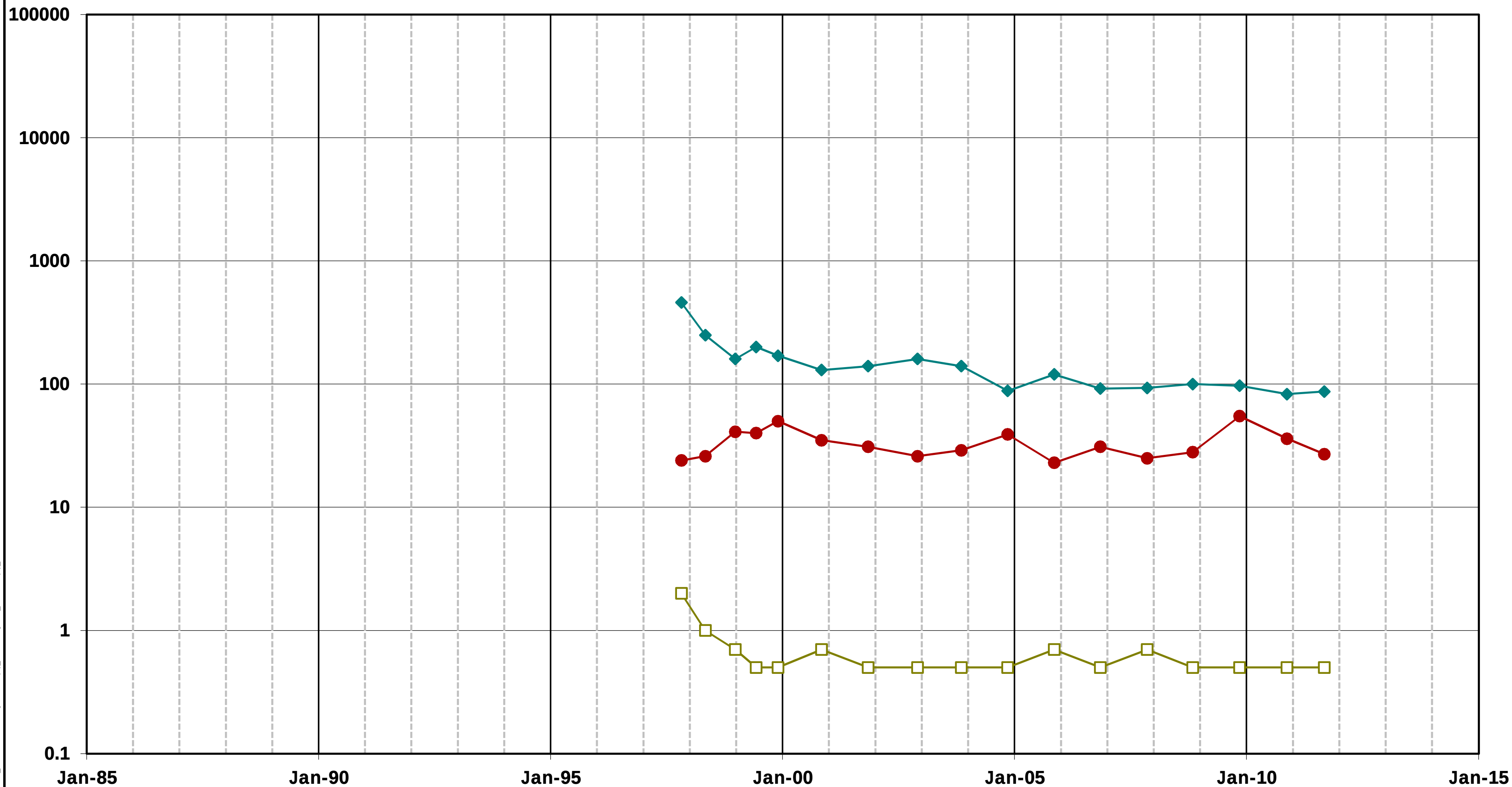
Chlorinated Ethenes in Groundwater
Well REG-1B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-137**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-1B(1)_VOC.xls]Plot_REG-1B(1)_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

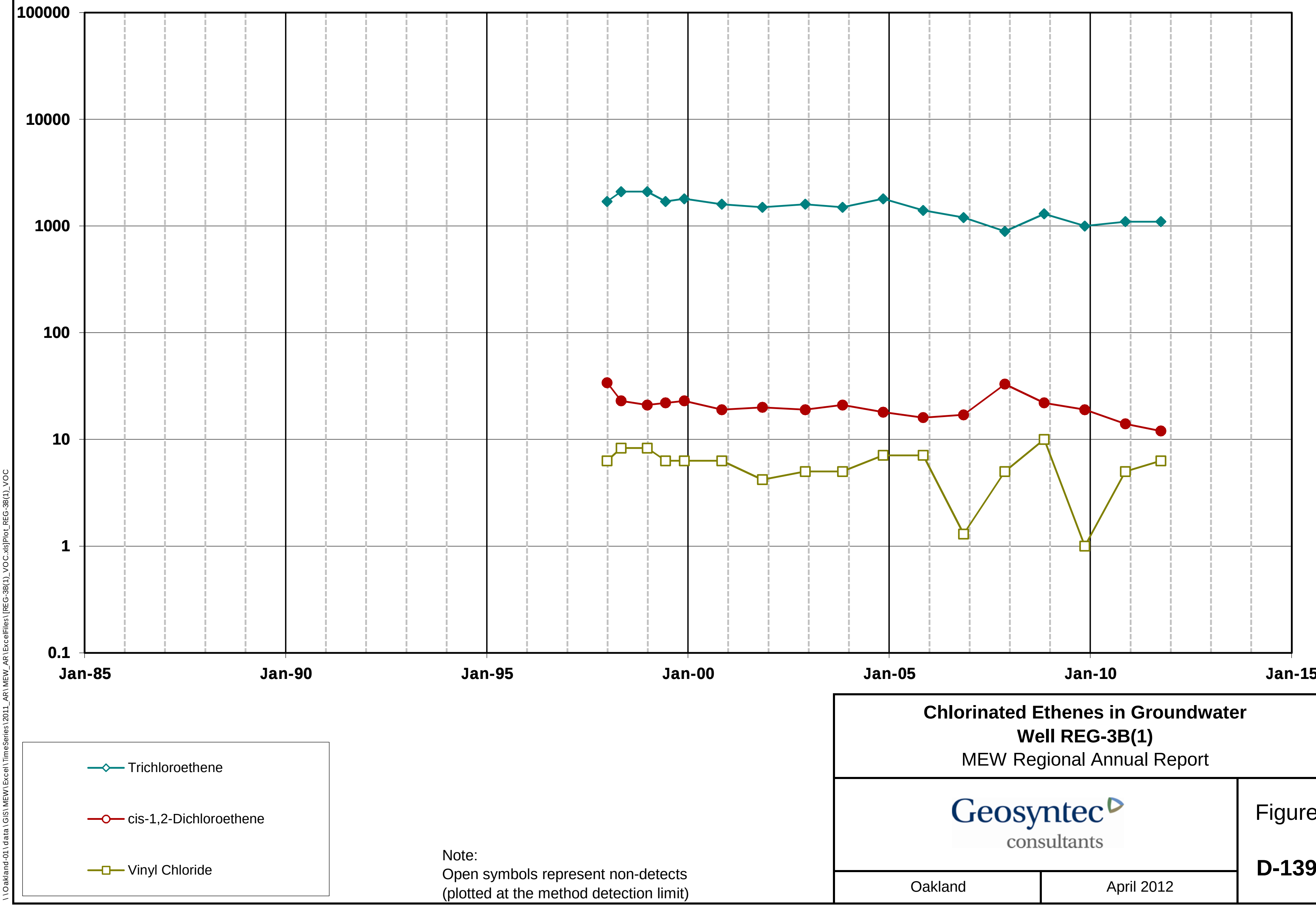
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-2B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure
D-138

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

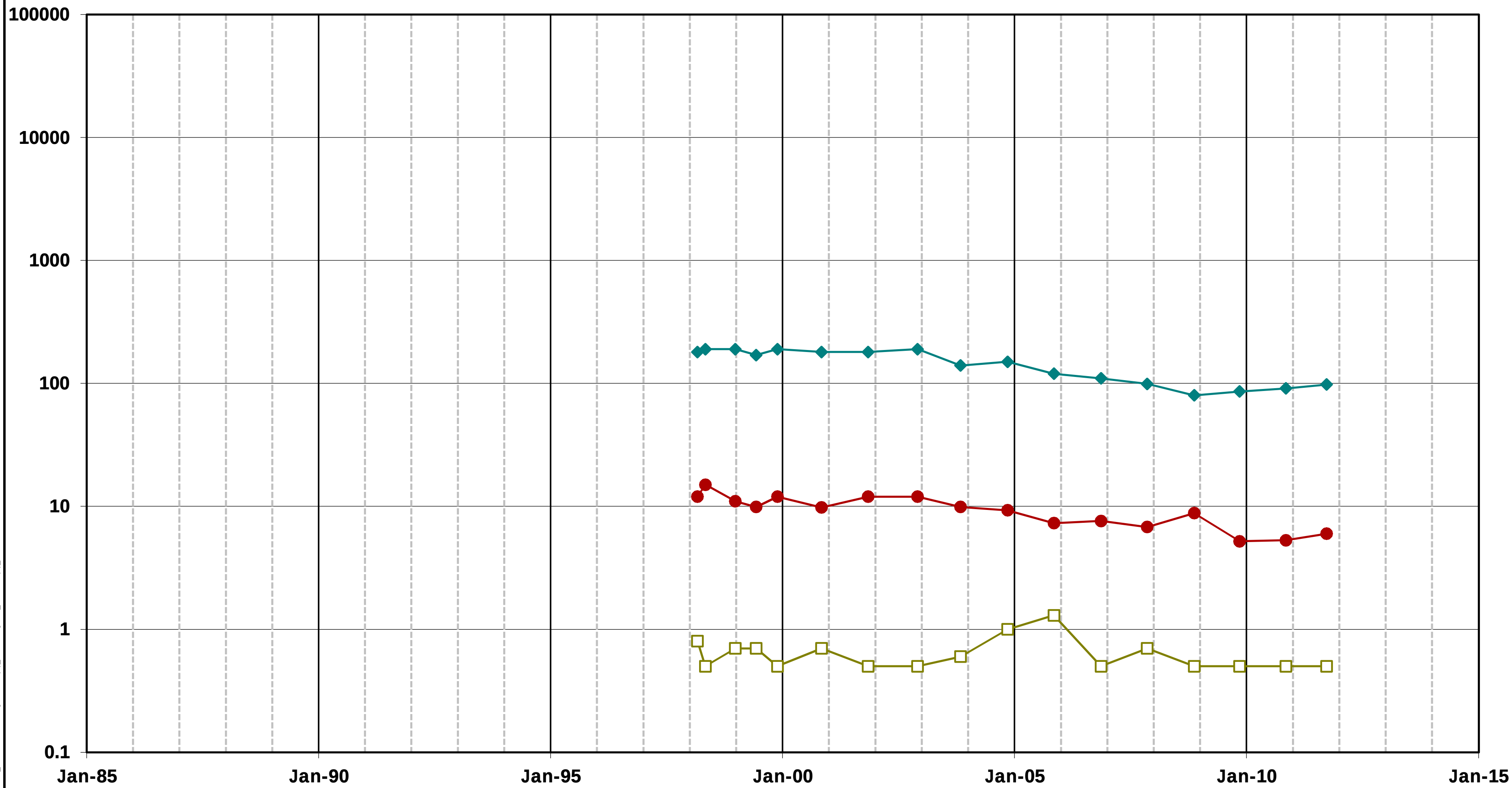
Chlorinated Ethenes in Groundwater
Well REG-3B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-139**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-3B(1)_VOC.xls]Plot_REG-3B(1)_VOC



Trichloroethene

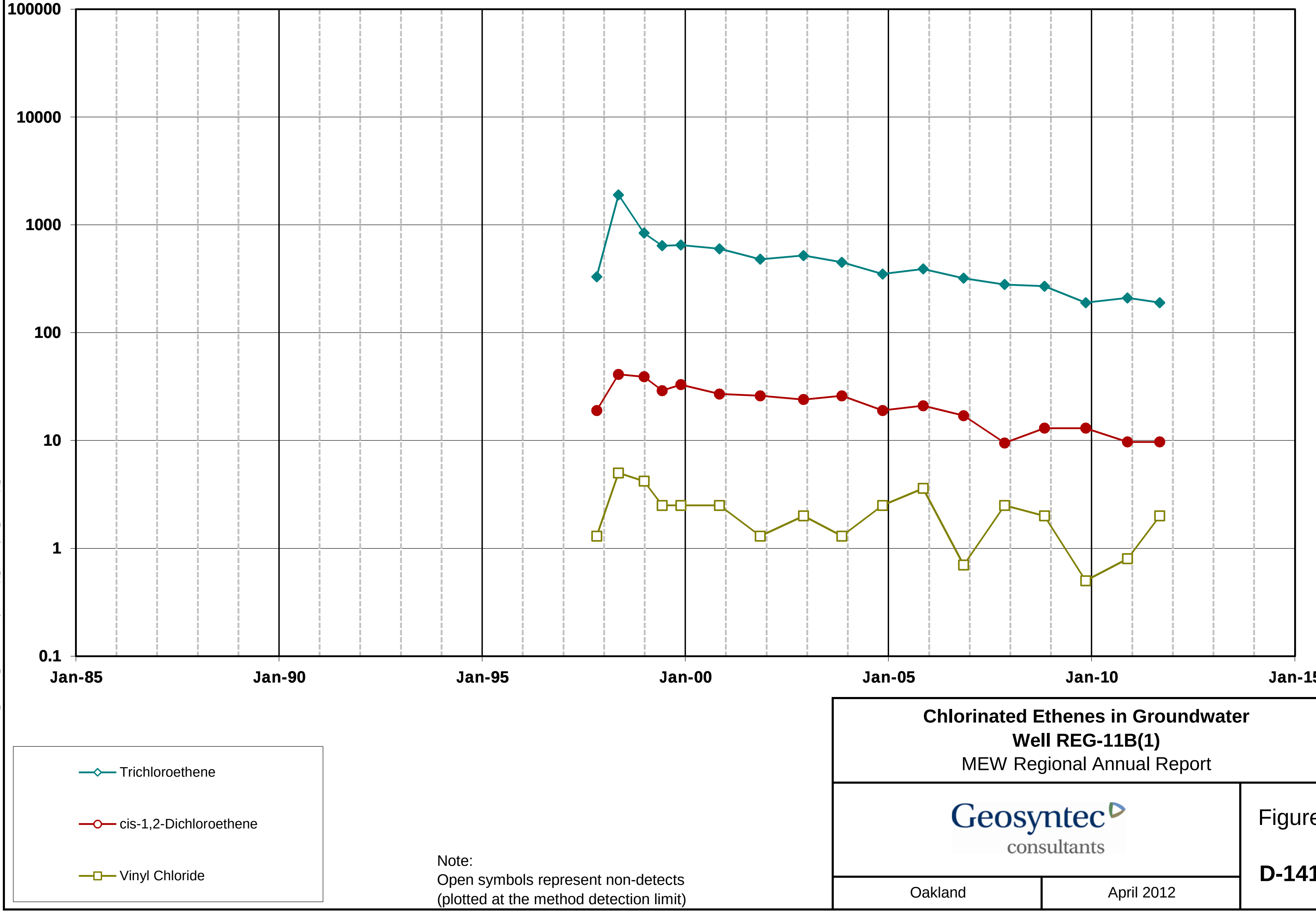
cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater **Well REG-4B(1)** MEW Regional Annual Report		
Geosyntec consultants		Figure **D-140**
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\REG-4B(1)_VOC.xls]Plot_REG-4B(1)_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

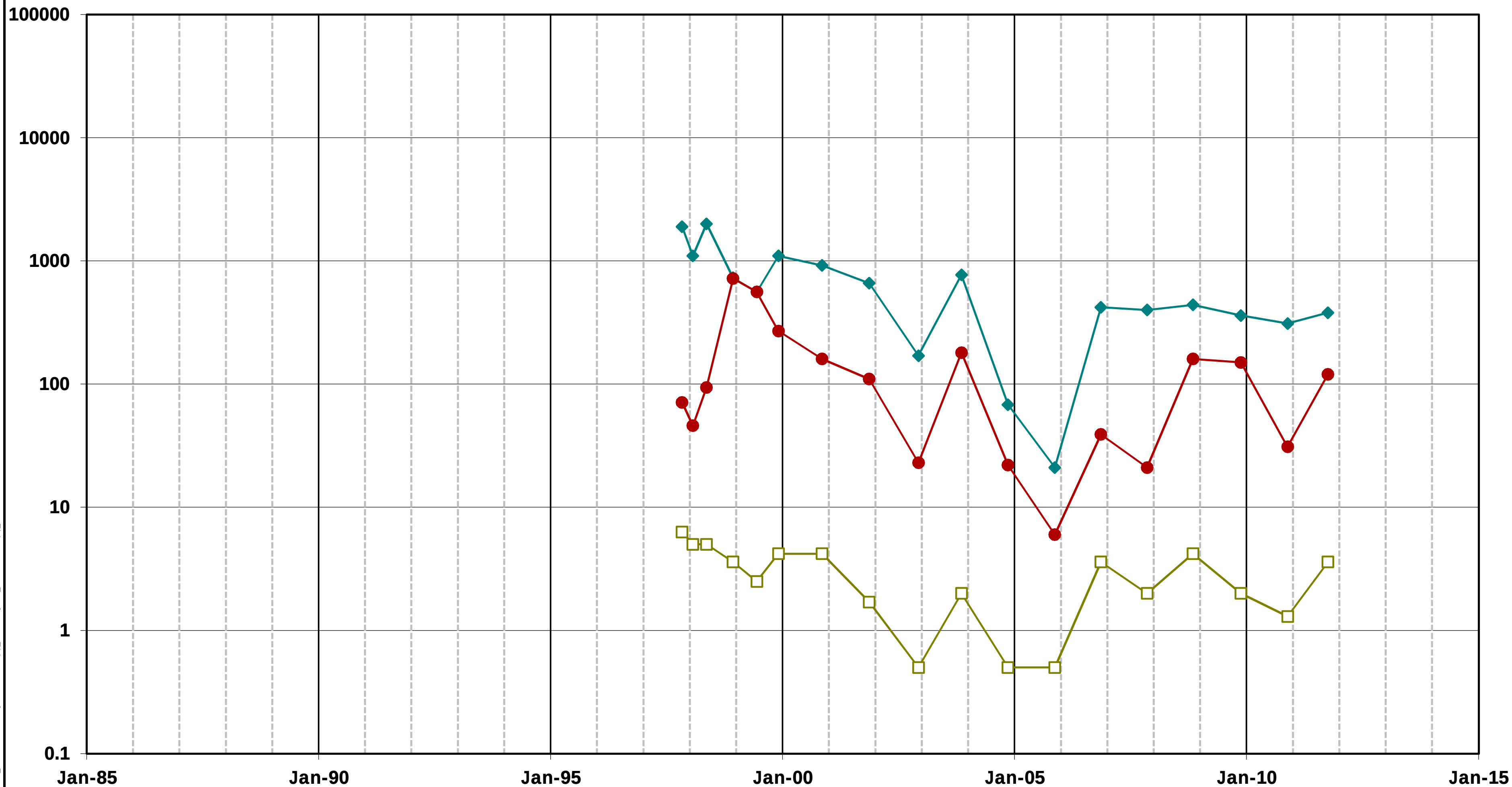
Chlorinated Ethenes in Groundwater
Well REG-11B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-141**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-11B(1)_VOC.xls]Plot_REG-11B(1)_VOC



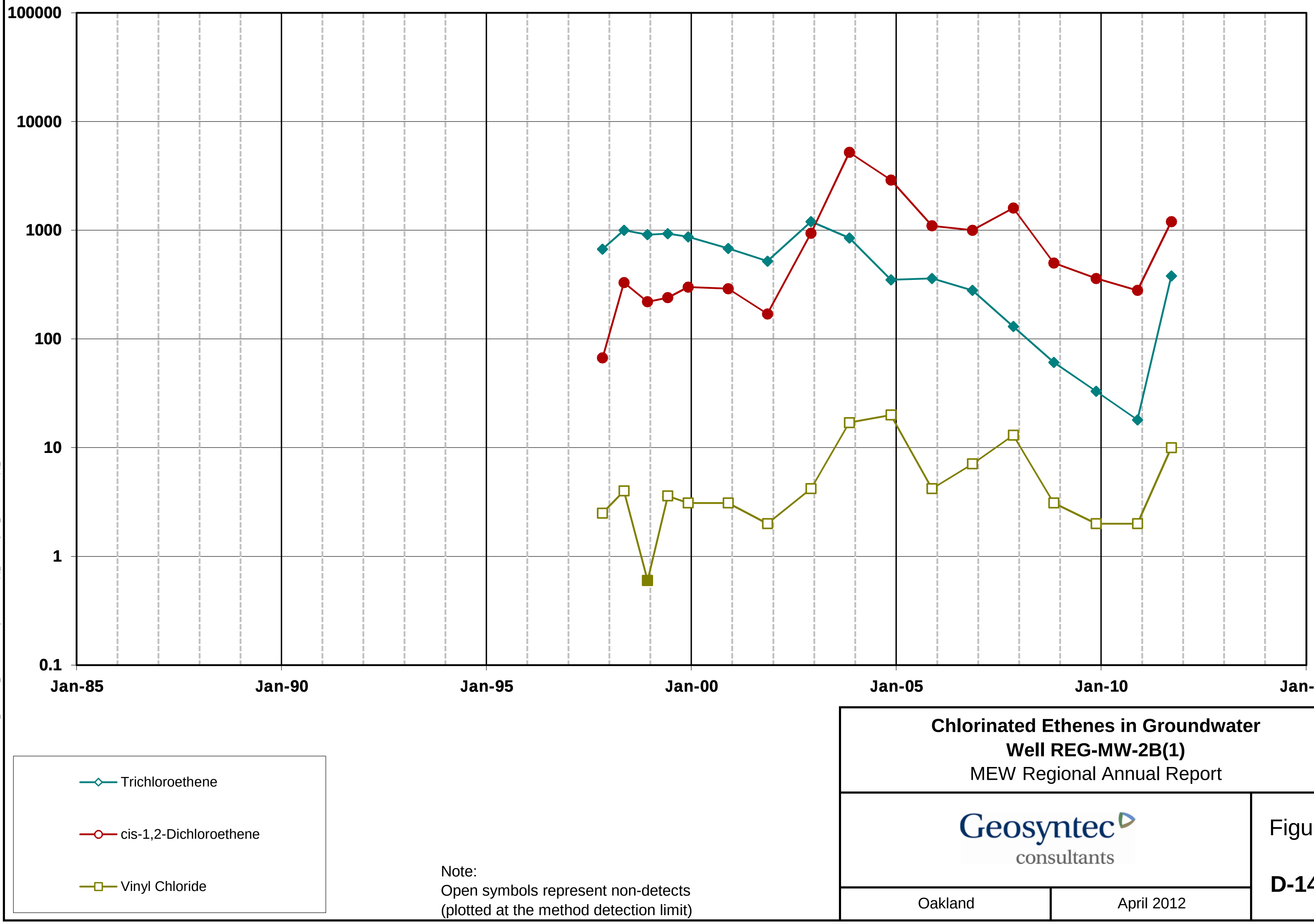
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-MW-1B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-142**

Oakland	April 2012



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-MW-2B(1)_VOC.xls]Plot_REG-MW-2B(1)_VOC

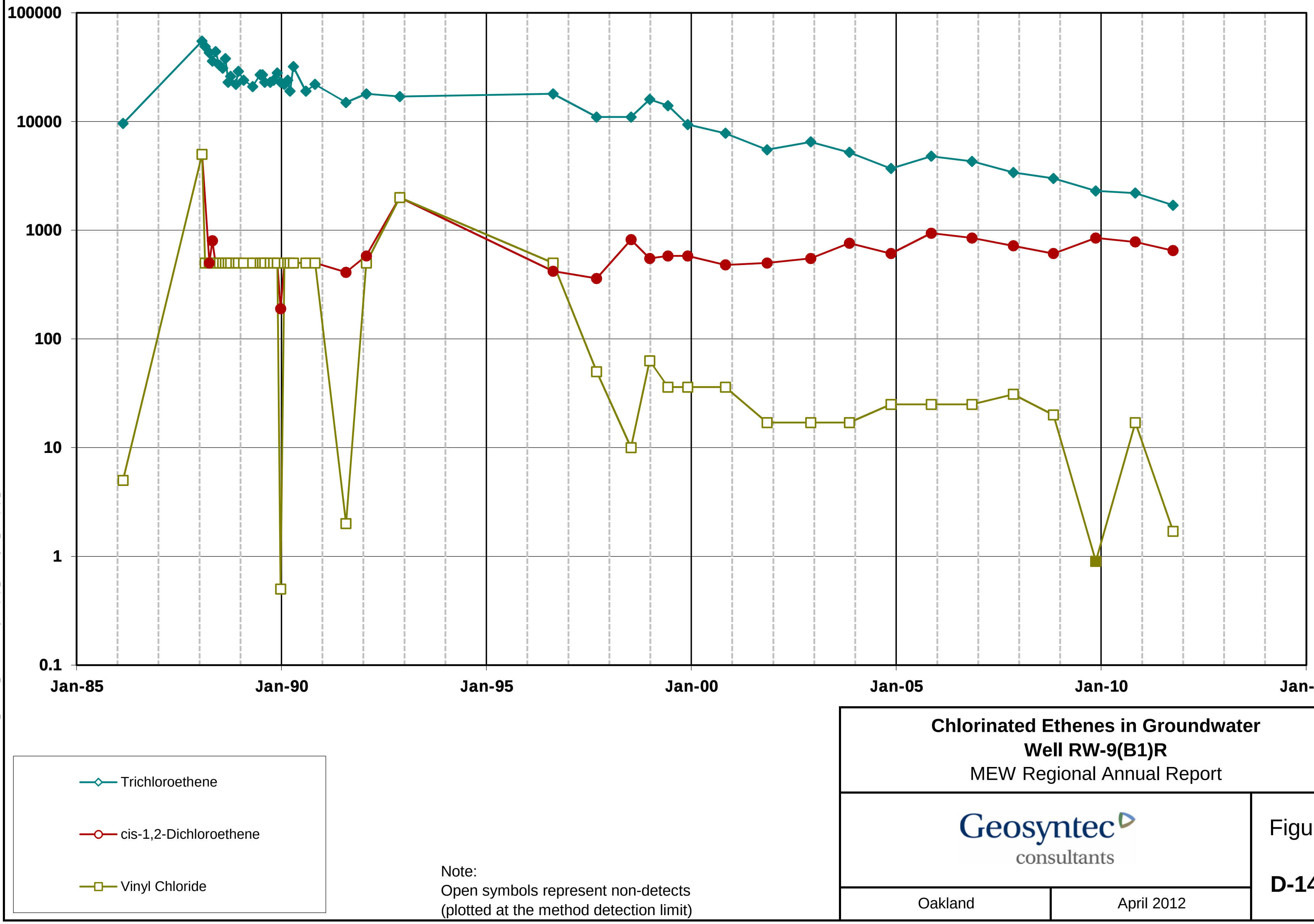
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-MW-2B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-143**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

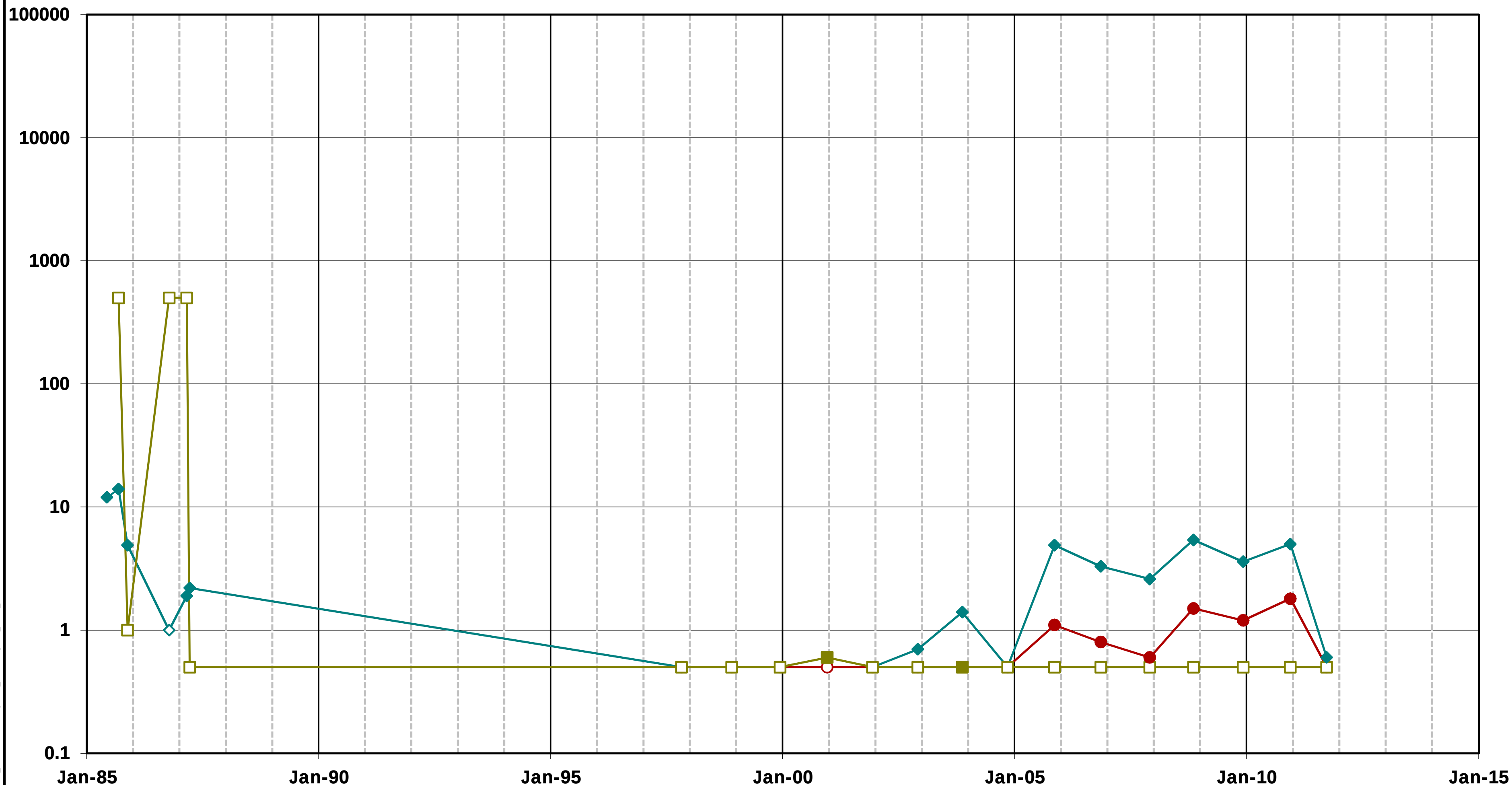
Chlorinated Ethenes in Groundwater
Well RW-9(B1)R
MEW Regional Annual Report

Geosyntec consultants

Figure **D-144**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RW-9(B1)R_VOC.xls]Plot_RW-9(B1)R_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

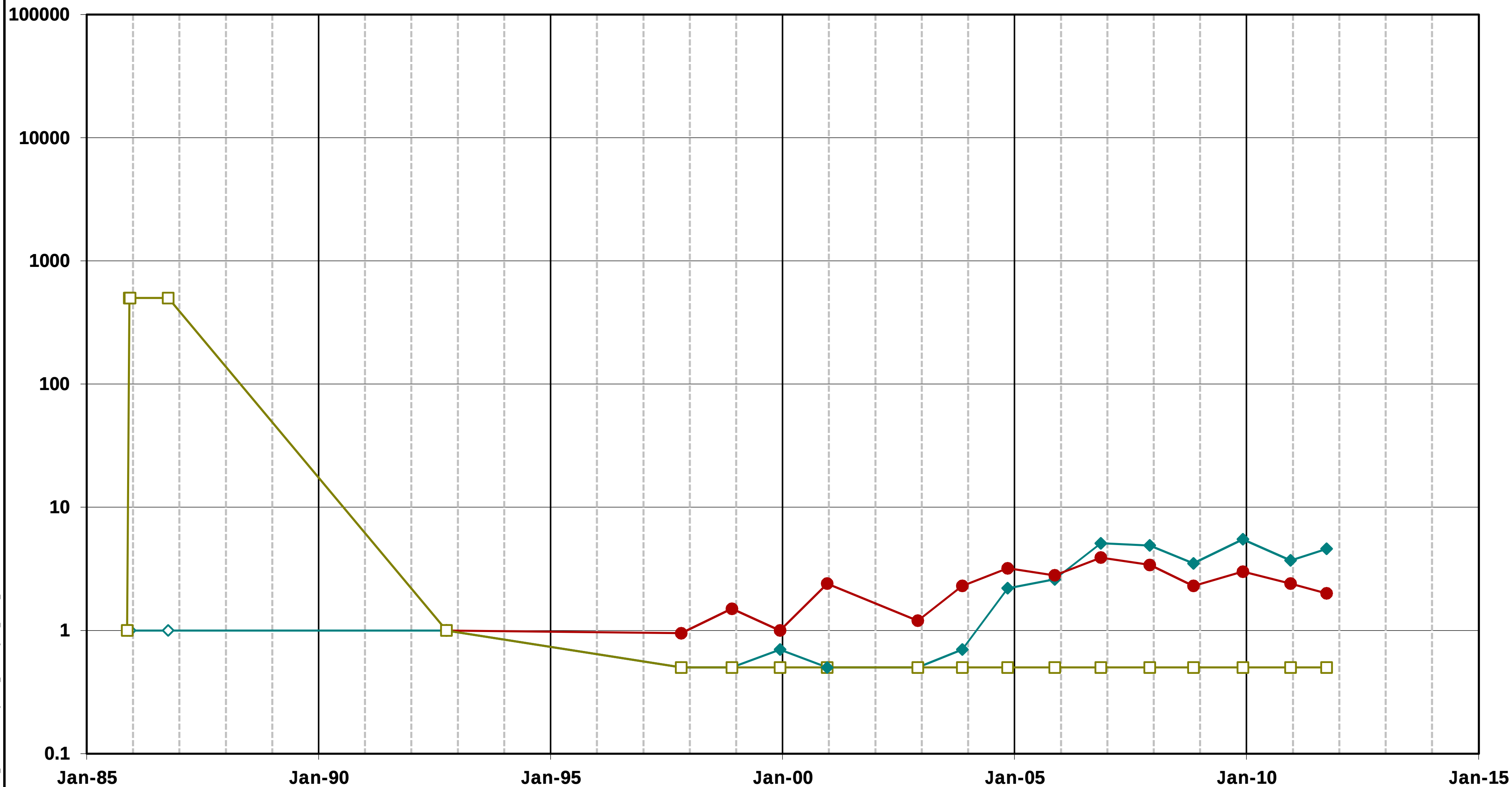
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R6B1_VOC.xls]Plot_R6B1_VOC

Chlorinated Ethenes in Groundwater
Well R6B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-145**

Oakland	April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R13B1
MEW Regional Annual Report

Geosyntec consultants

Figure

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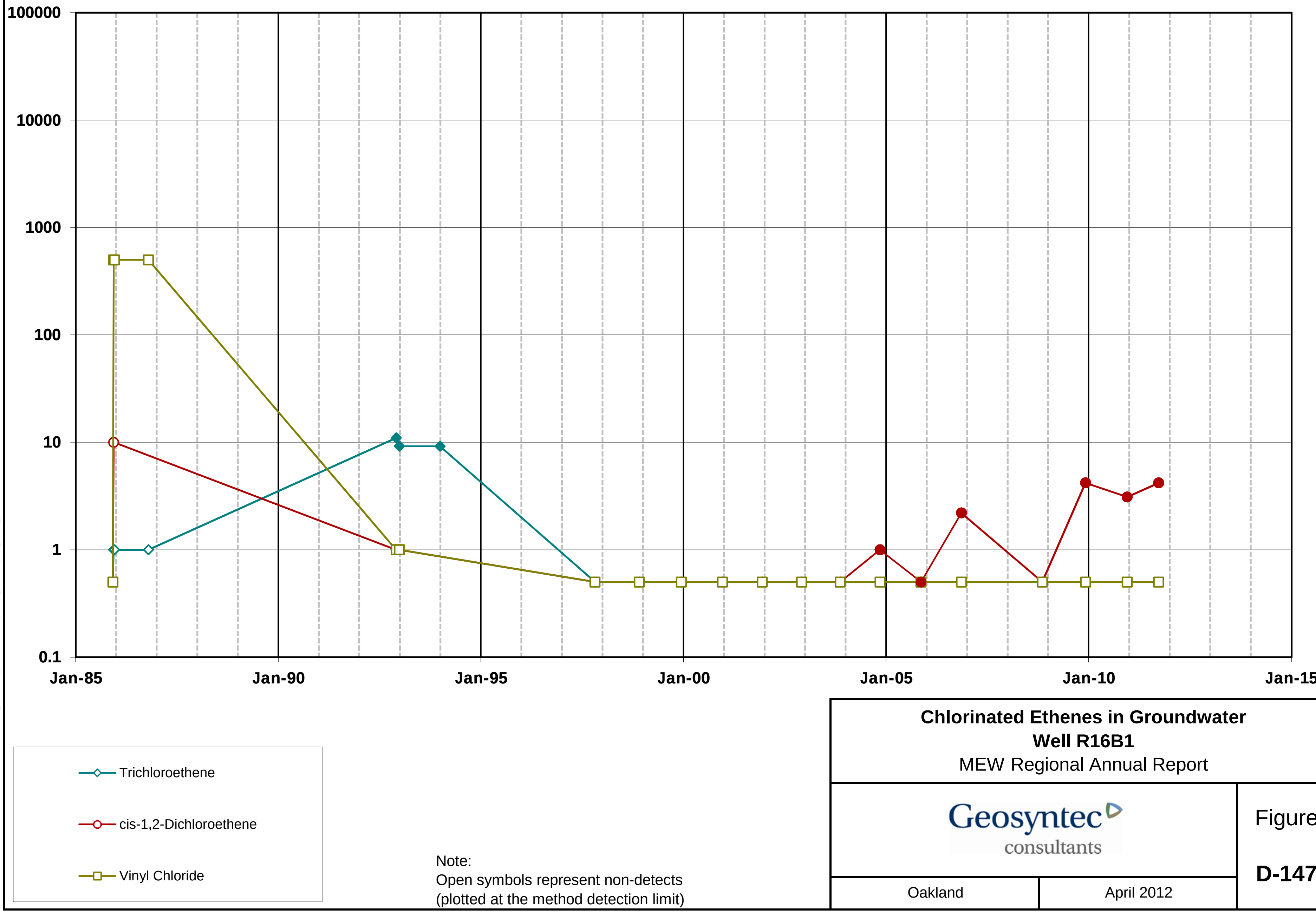
Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R13B1_VOC.xls]Plot_R13B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

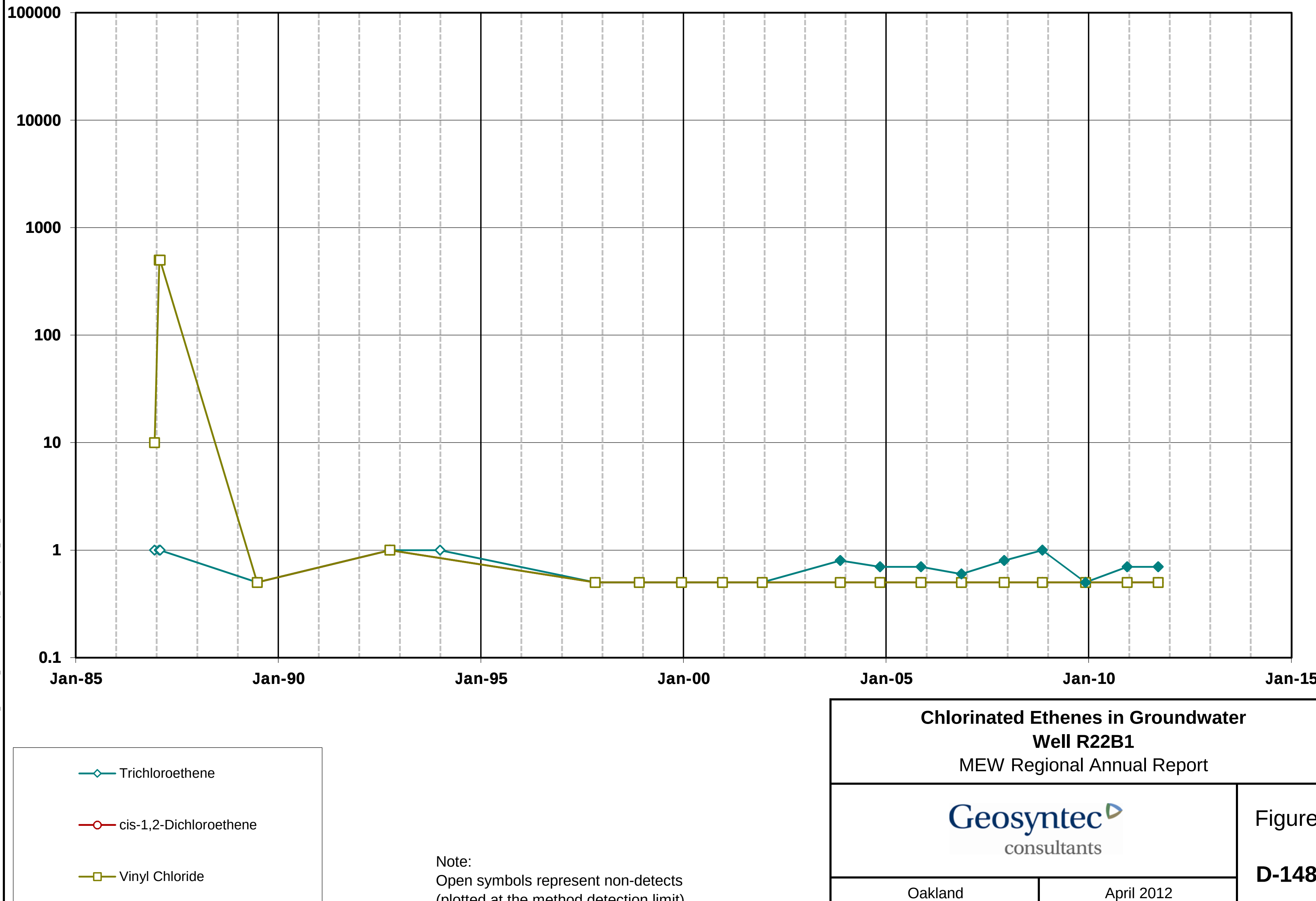
Chlorinated Ethenes in Groundwater
Well R16B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-147**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R16B1_VOC.xls]Plot_R16B1_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

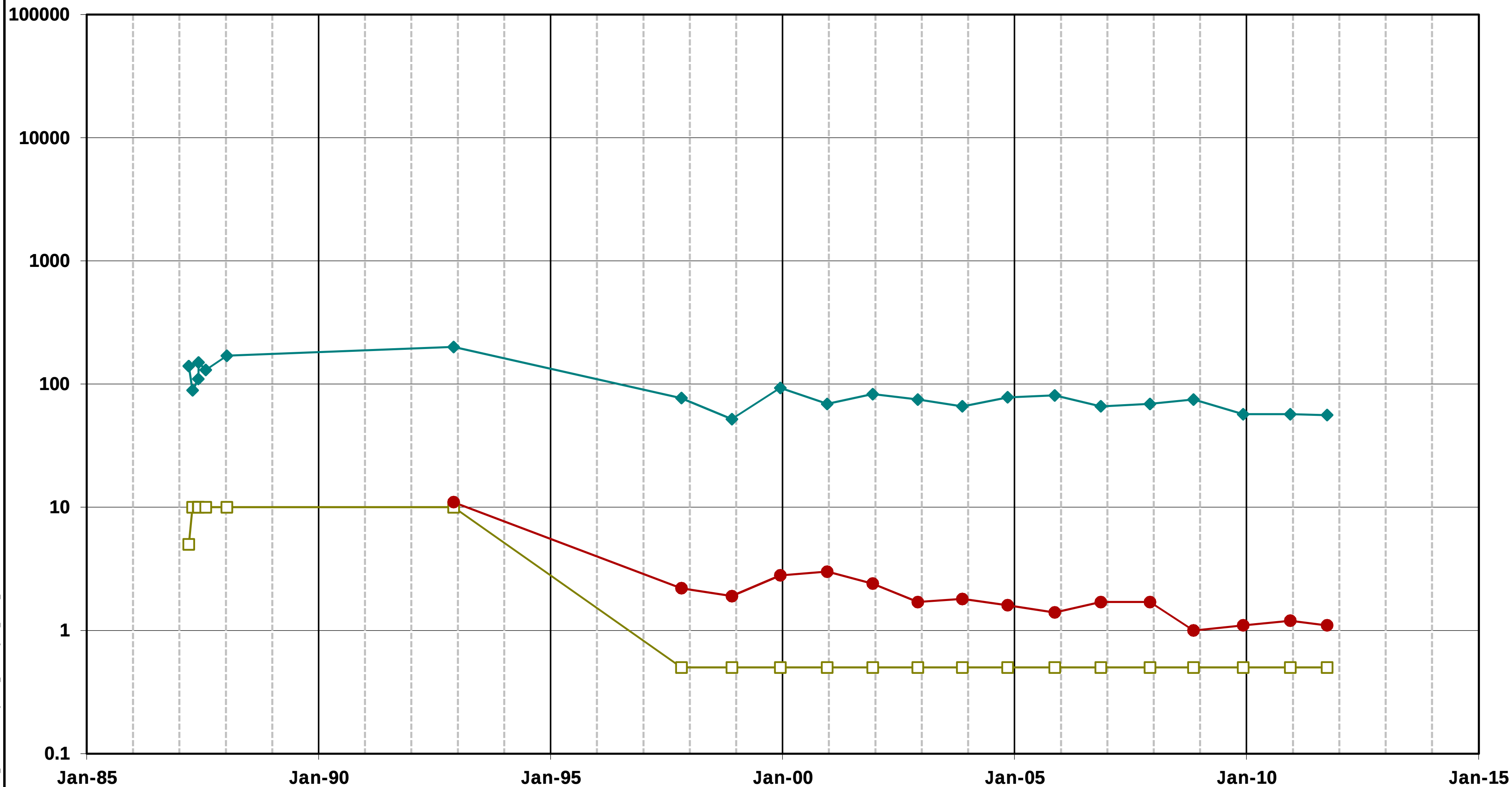
Chlorinated Ethenes in Groundwater
Well R22B1
MEW Regional Annual Report

Geosyntec consultants

Figure **D-148**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R22B1_VOC.xls]Plot_R22B1_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R46B1
MEW Regional Annual Report

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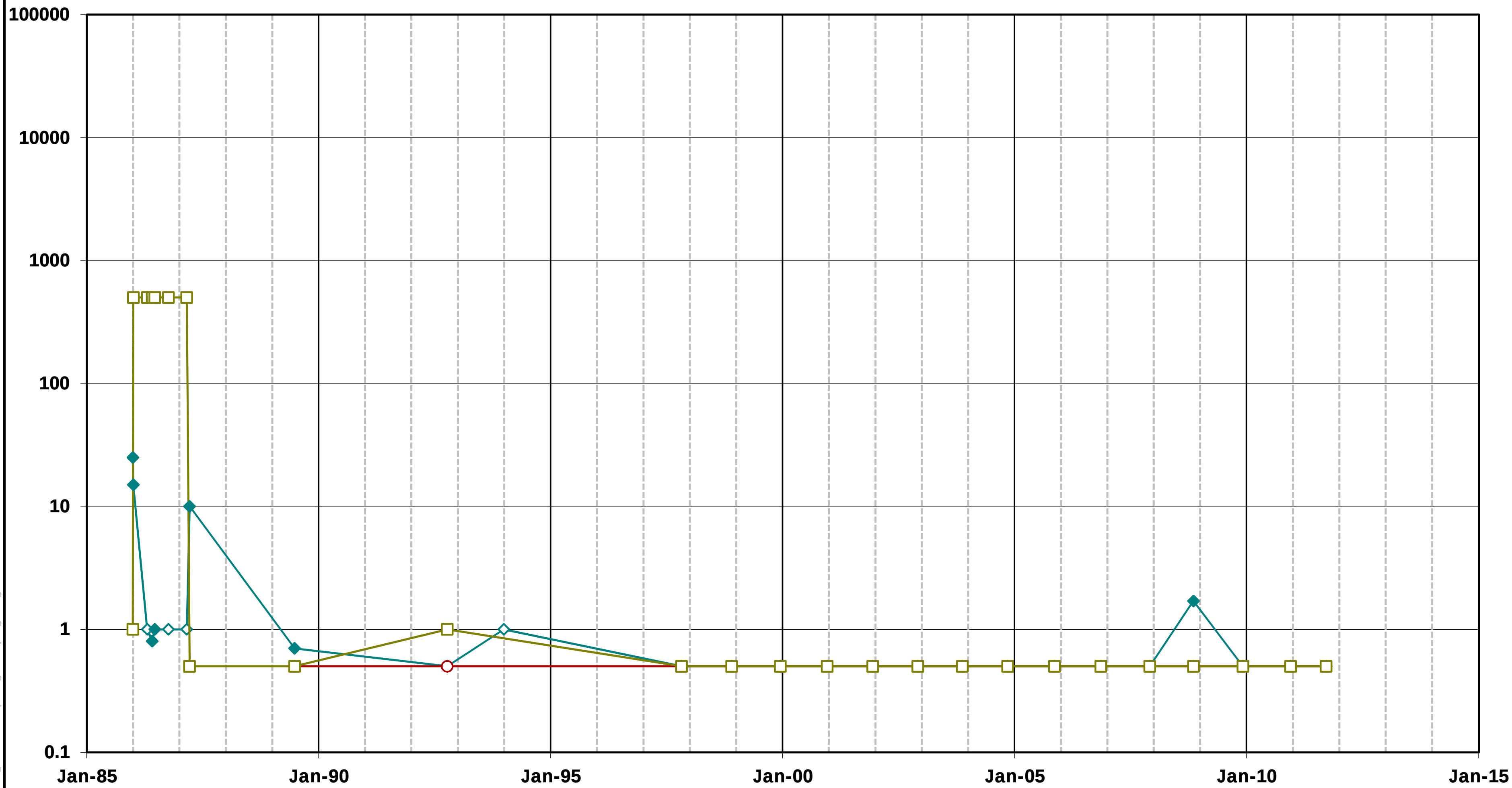
consultants

Figure
D-149

Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R46B1_VOC.xls]Plot_R46B1_VOC

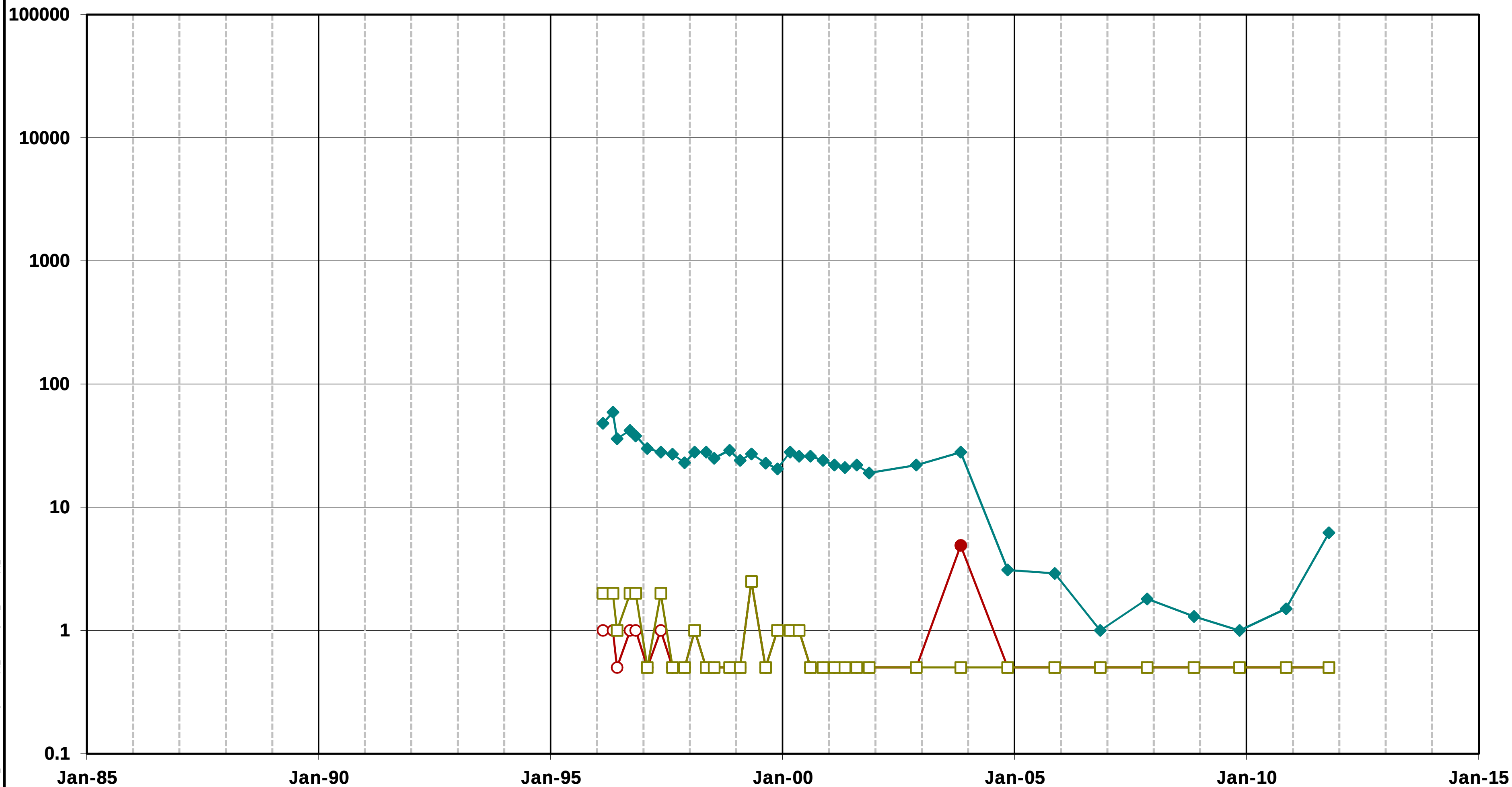


Trichloroethene
cis-1,2-Dichloroethene
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater **Well RP22B** MEW Regional Annual Report		
Geosyntec consultants		Figure **D-150**
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RP22B_VOC.xls]Plot_RP22B_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

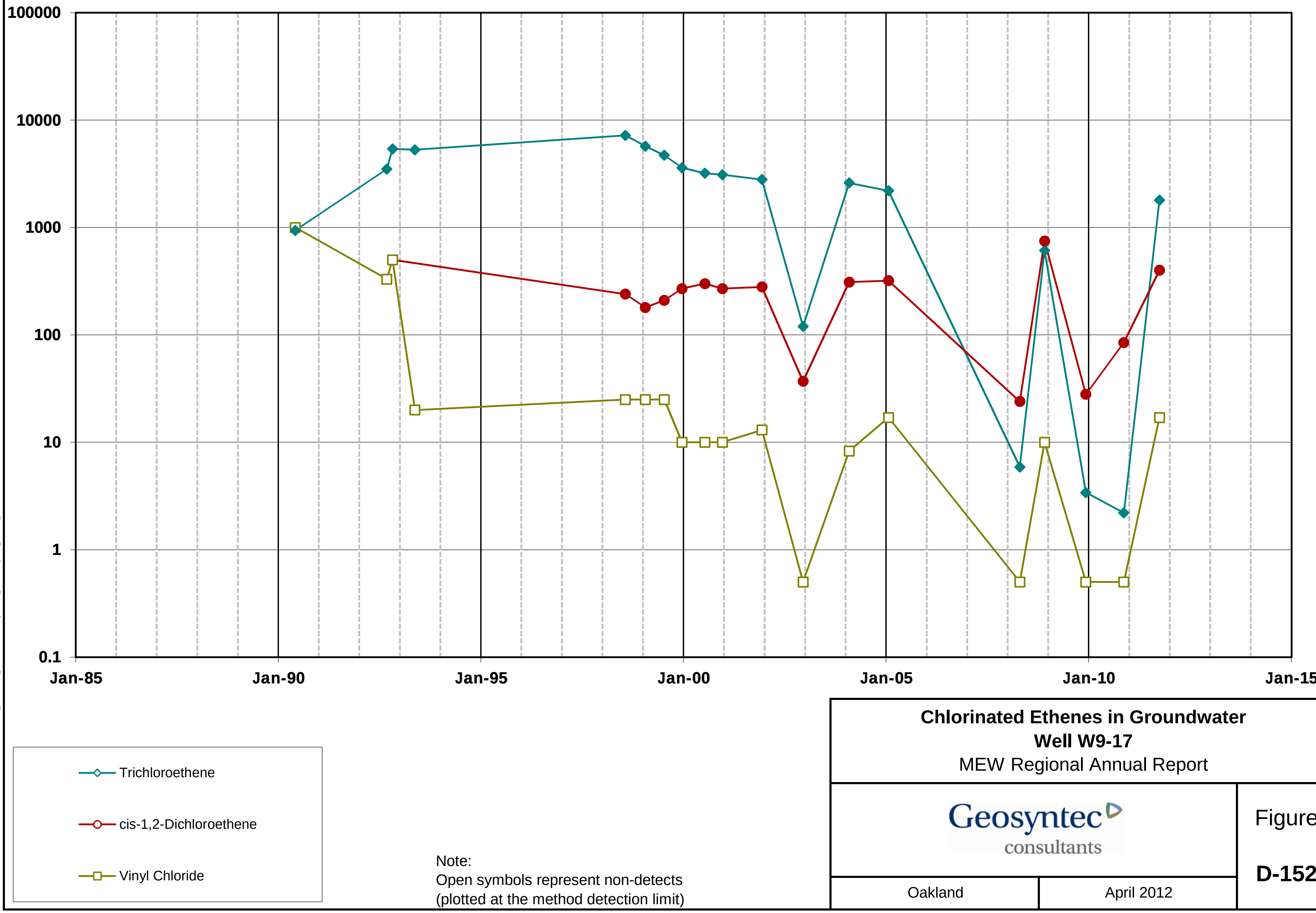
Chlorinated Ethenes in Groundwater
Well RW-13B(1)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-151**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RW-13B(1)_VOC.xls]Plot_RW-13B(1)_VOC



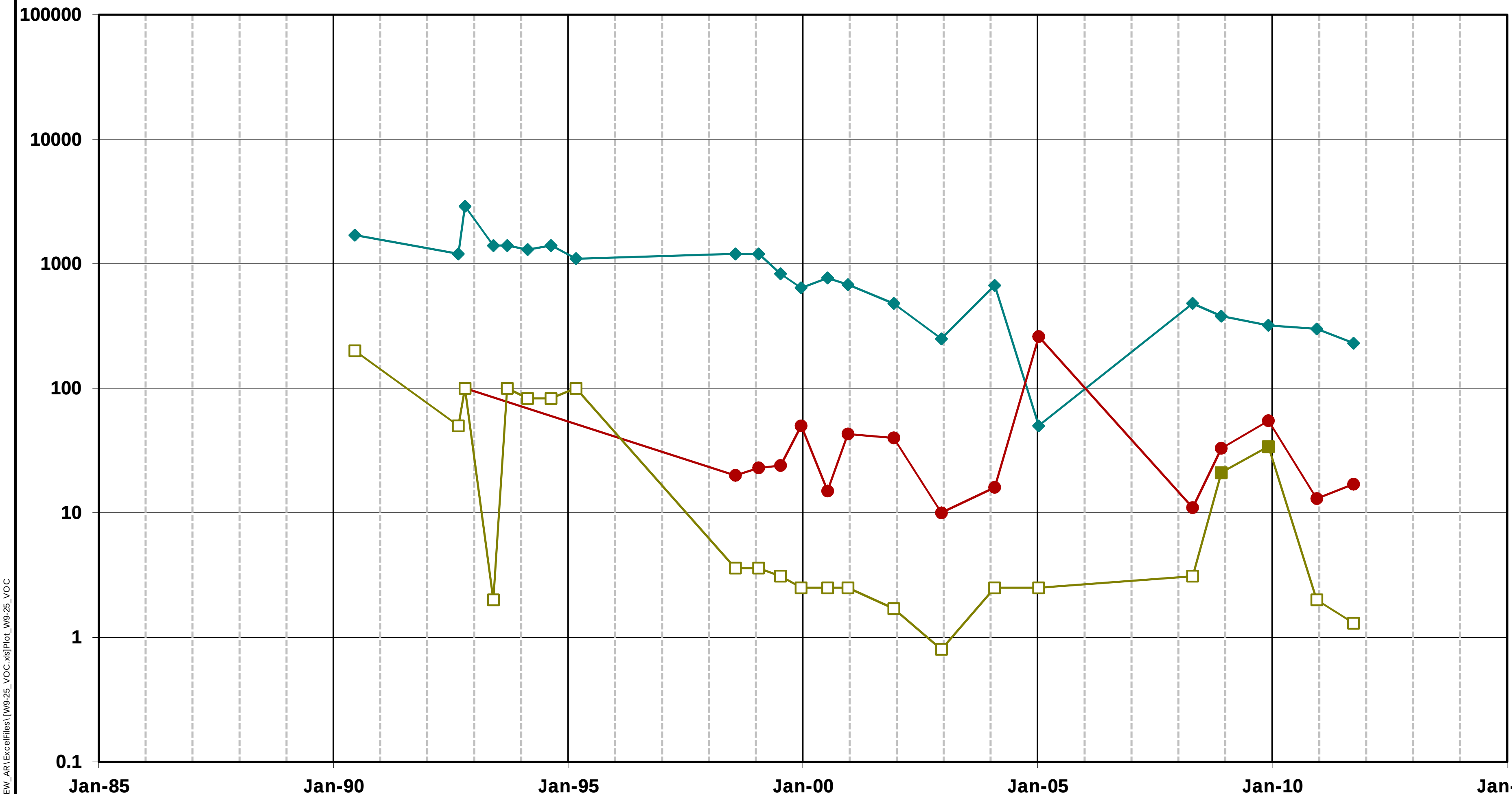
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W9-17
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-152**

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W9-17_VOC.xls]Plot_W9-17_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

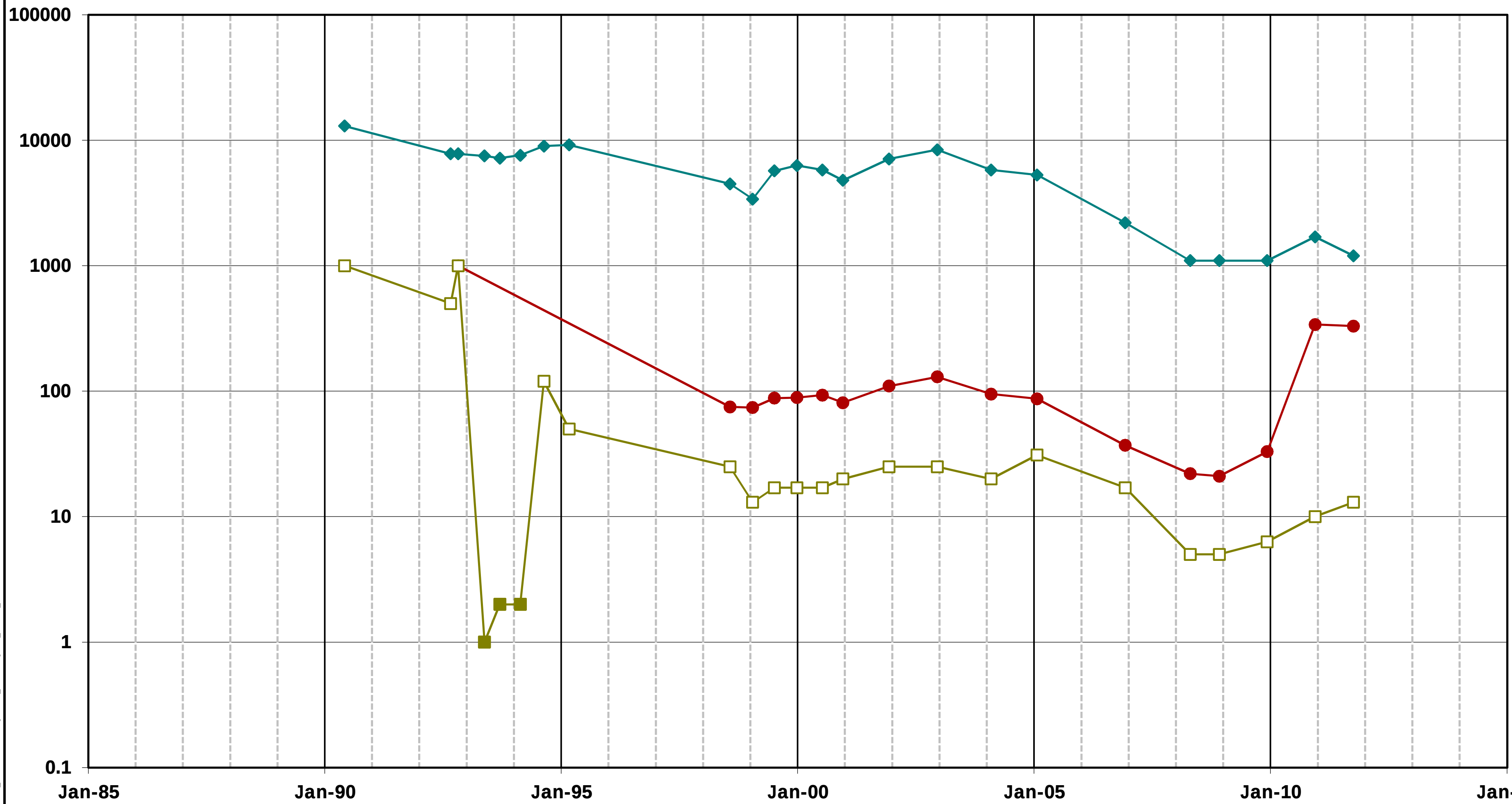
Chlorinated Ethenes in Groundwater
Well W9-25
MEW Regional Annual Report

Geosyntec consultants

Figure **D-153**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W9-25_VOC.xls]Plot_W9-25_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W9-41
MEW Regional Annual Report

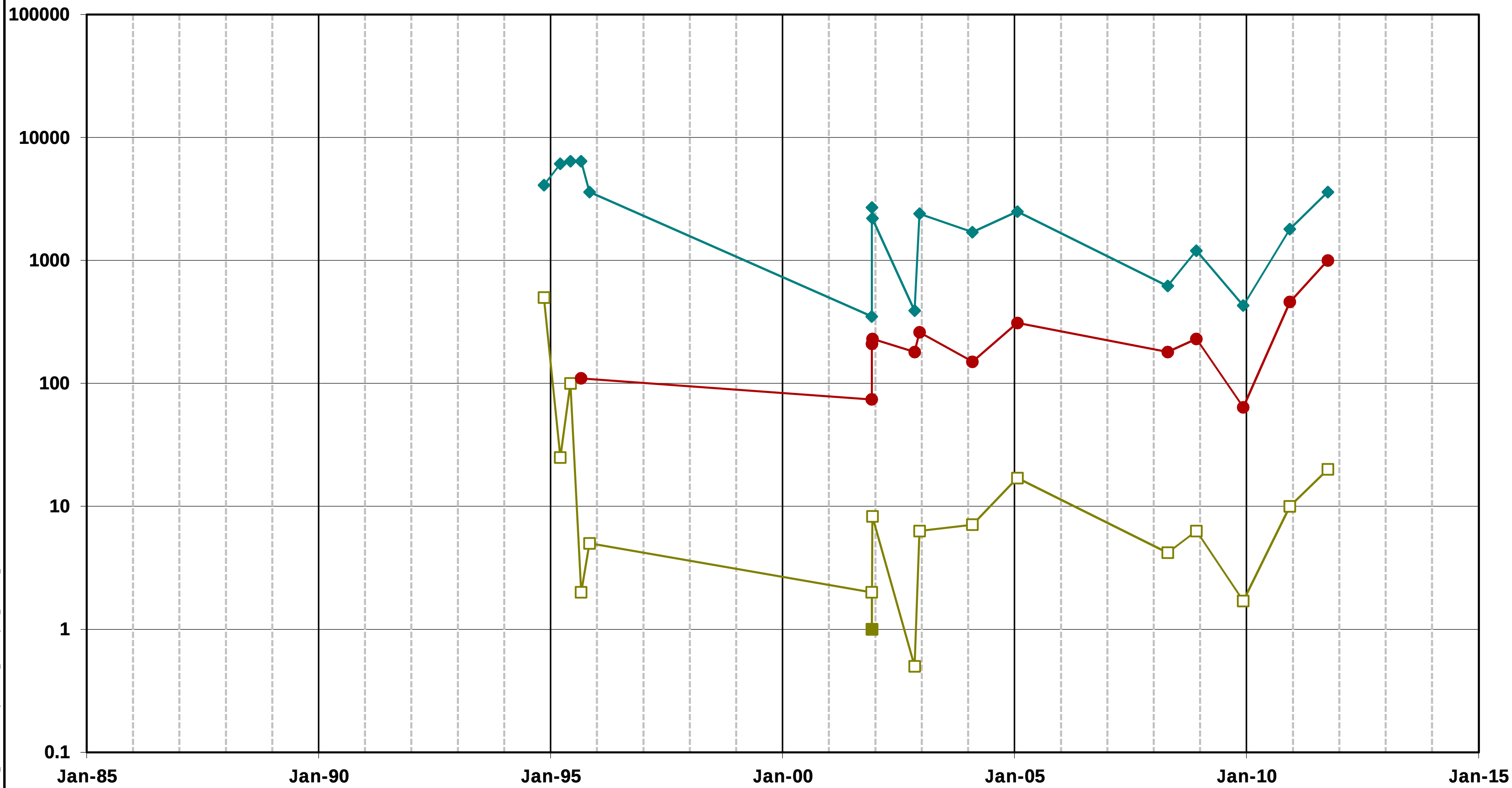
Geosyntec consultants

Figure

D-154

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W9-41_VOC.xls]Plot_W9-41_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

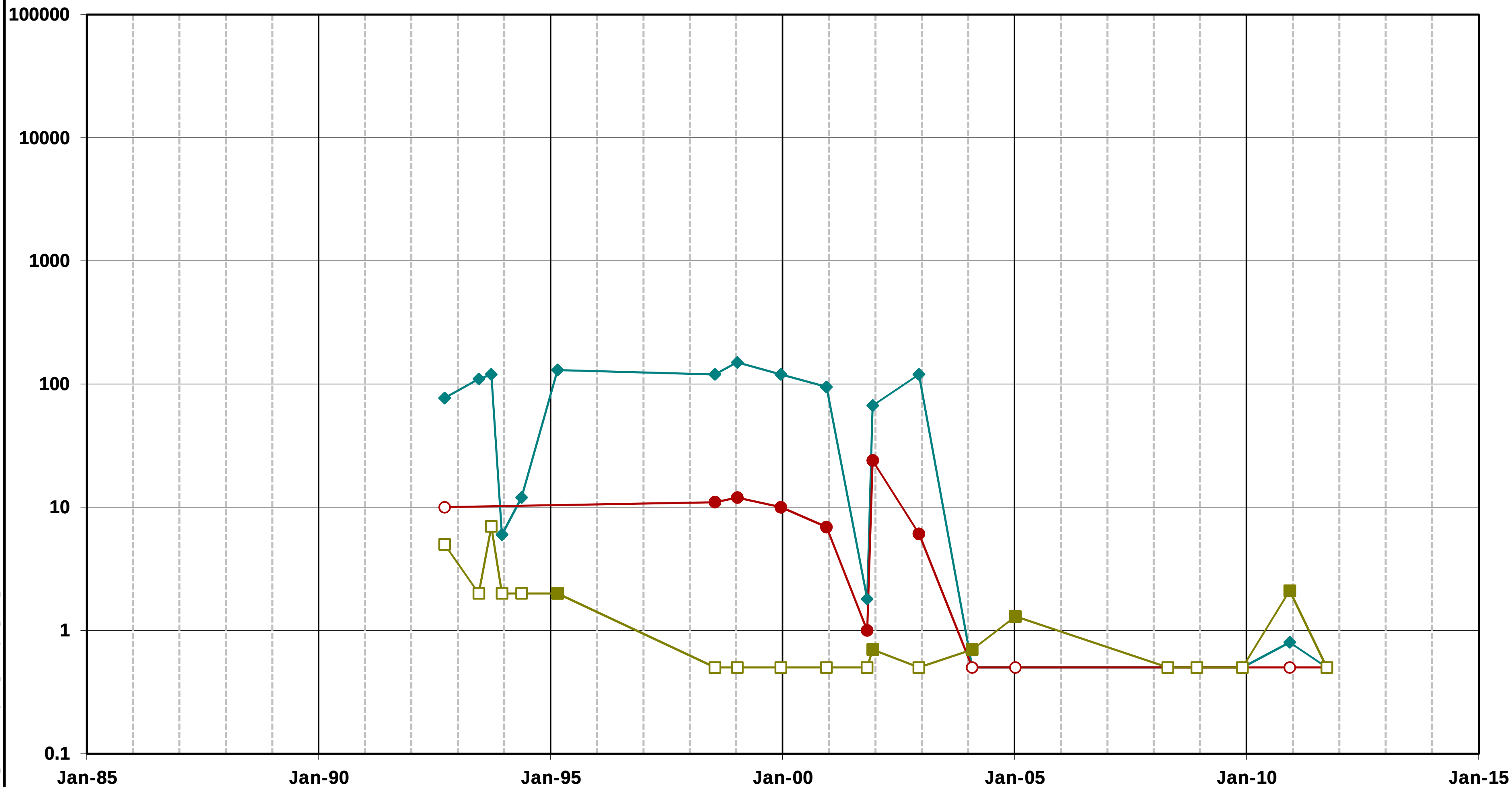
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W9SC-20
MEW Regional Annual Report

Geosyntec
consultants

Oakland | April 2012

Figure
D-155



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W14-5
MEW Regional Annual Report

Geosyntec consultants

Figure

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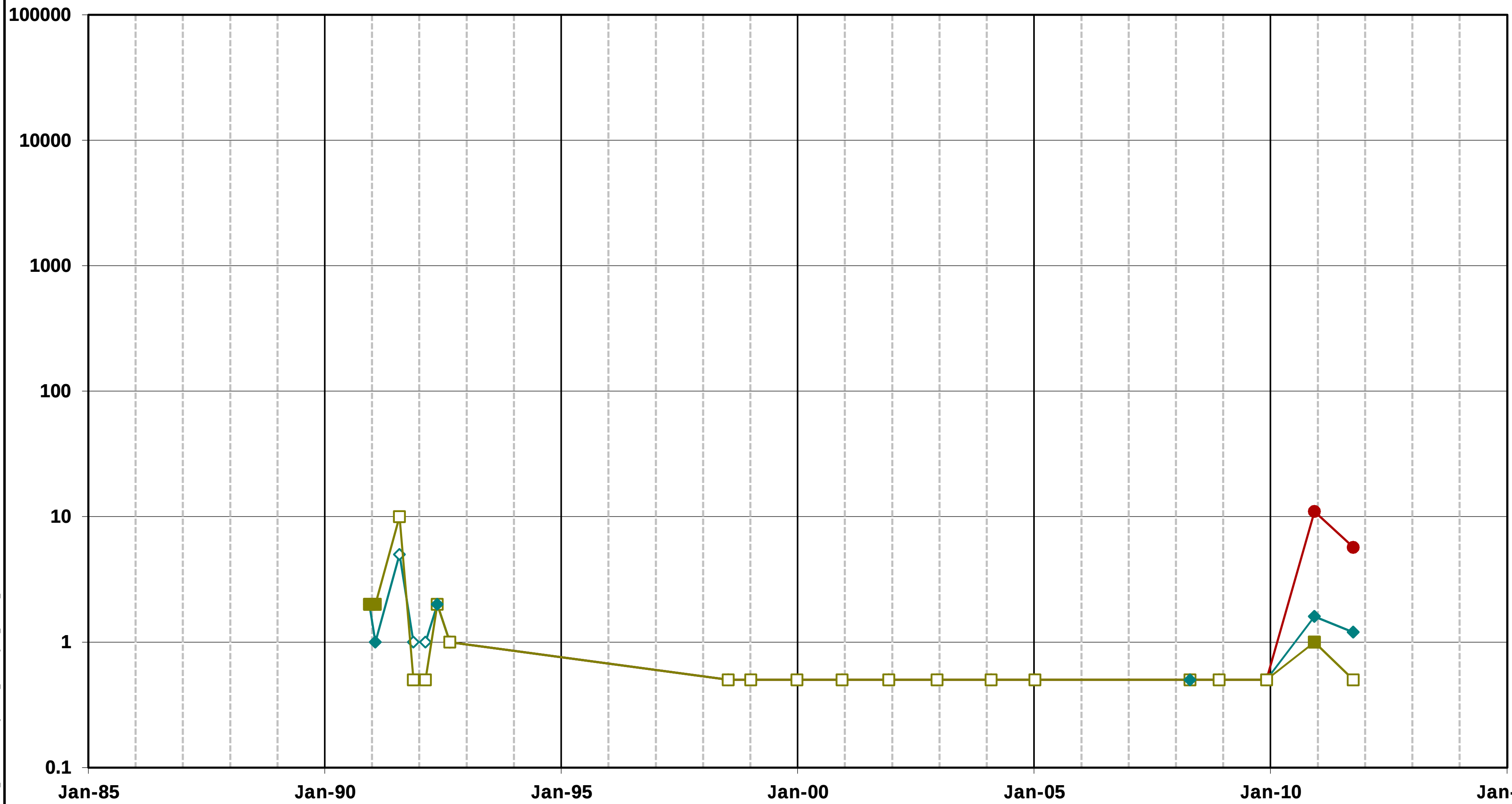
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W14-5_VOC.xls]Plot_W14-5_VOC



Trichloroethene
cis-1,2-Dichloroethene
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

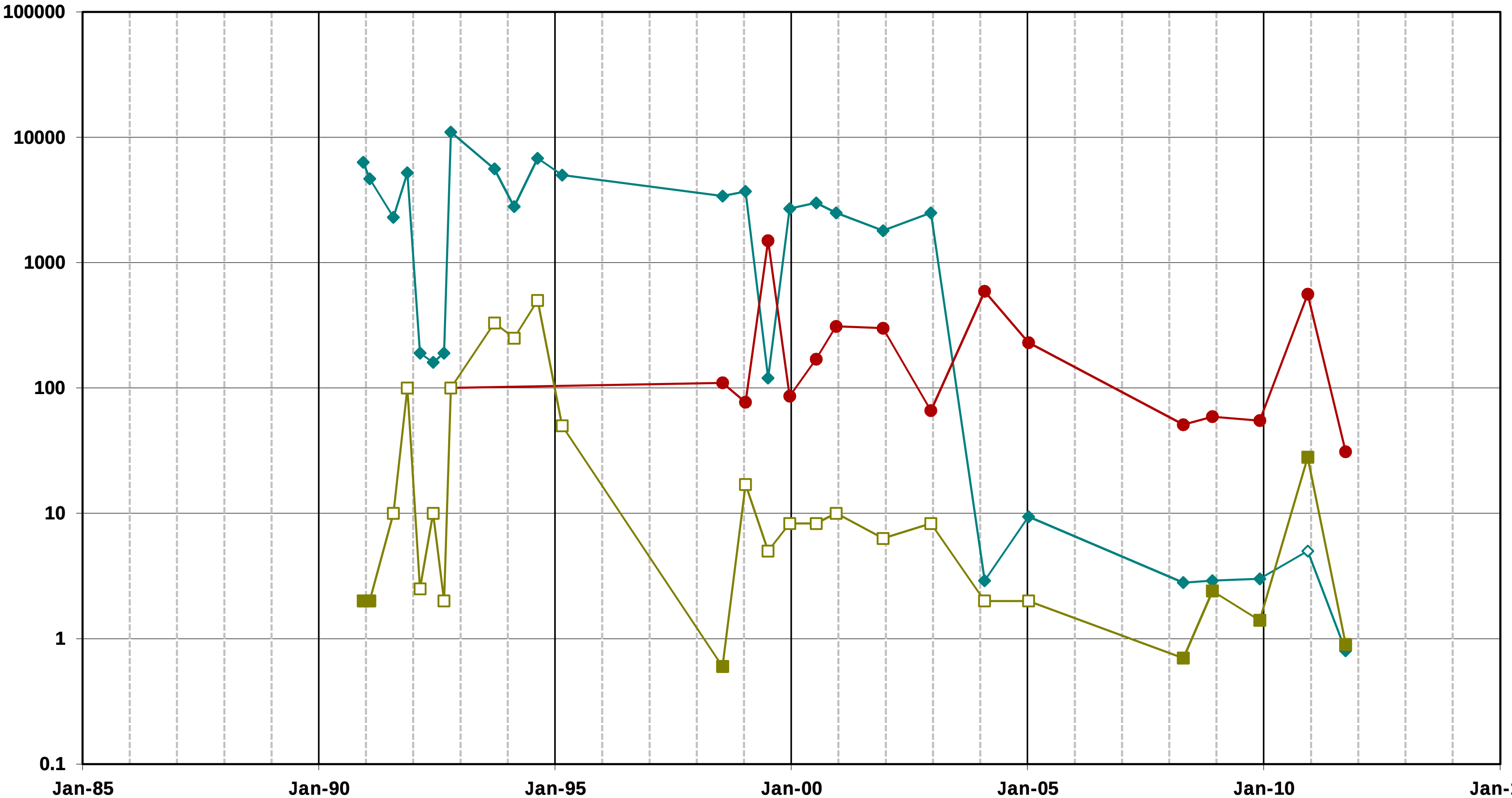
Chlorinated Ethenes in Groundwater
Well W89-11
MEW Regional Annual Report

Geosyntec consultants

Figure **D-157**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-11_VOC.xls]Plot_W89-11_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-12_VOC.xls]Plot_W89-12_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well W89-12
MEW Regional Annual Report

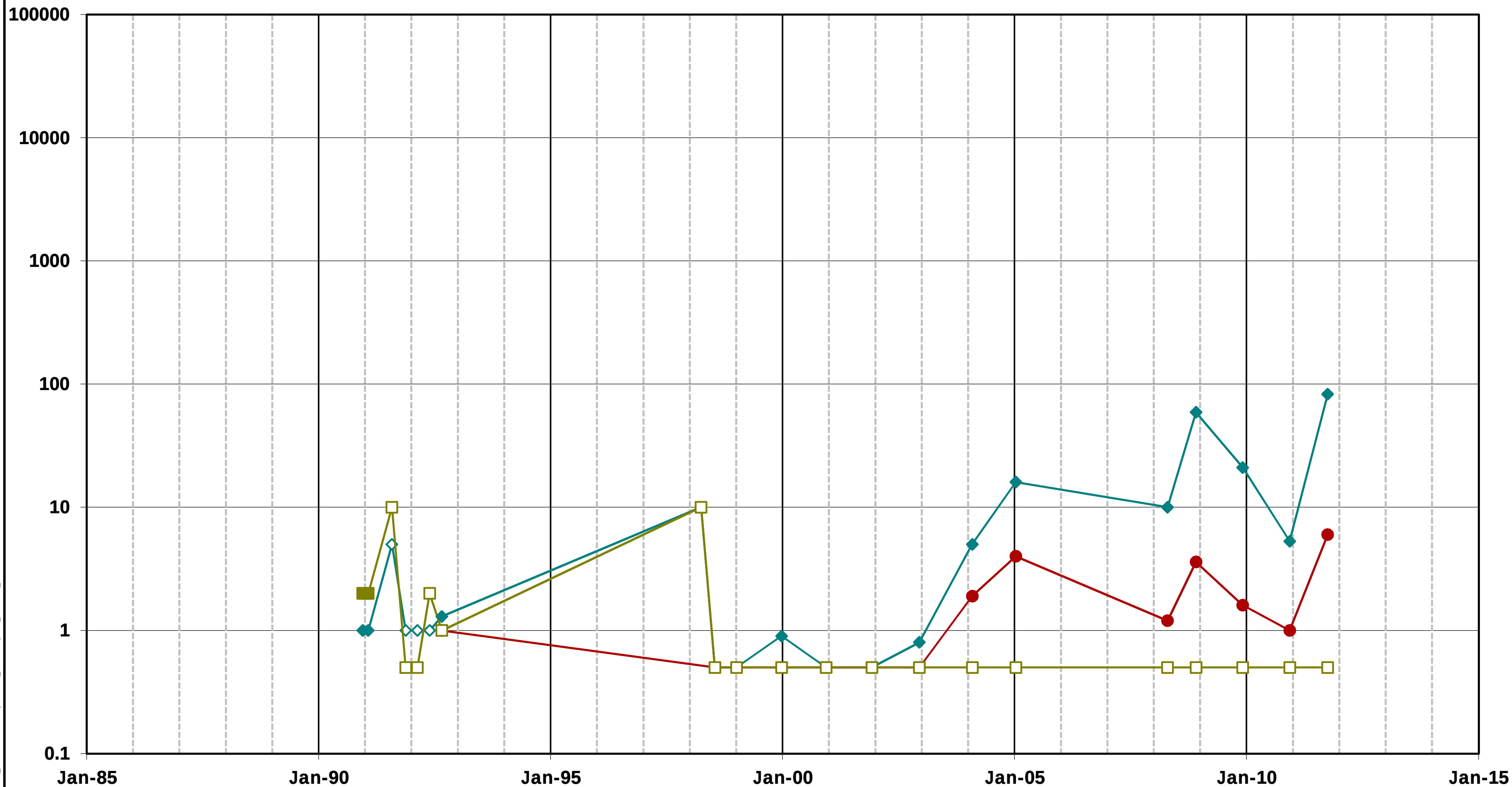
Geosyntec consultants

Figure

D-158

Oakland

April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

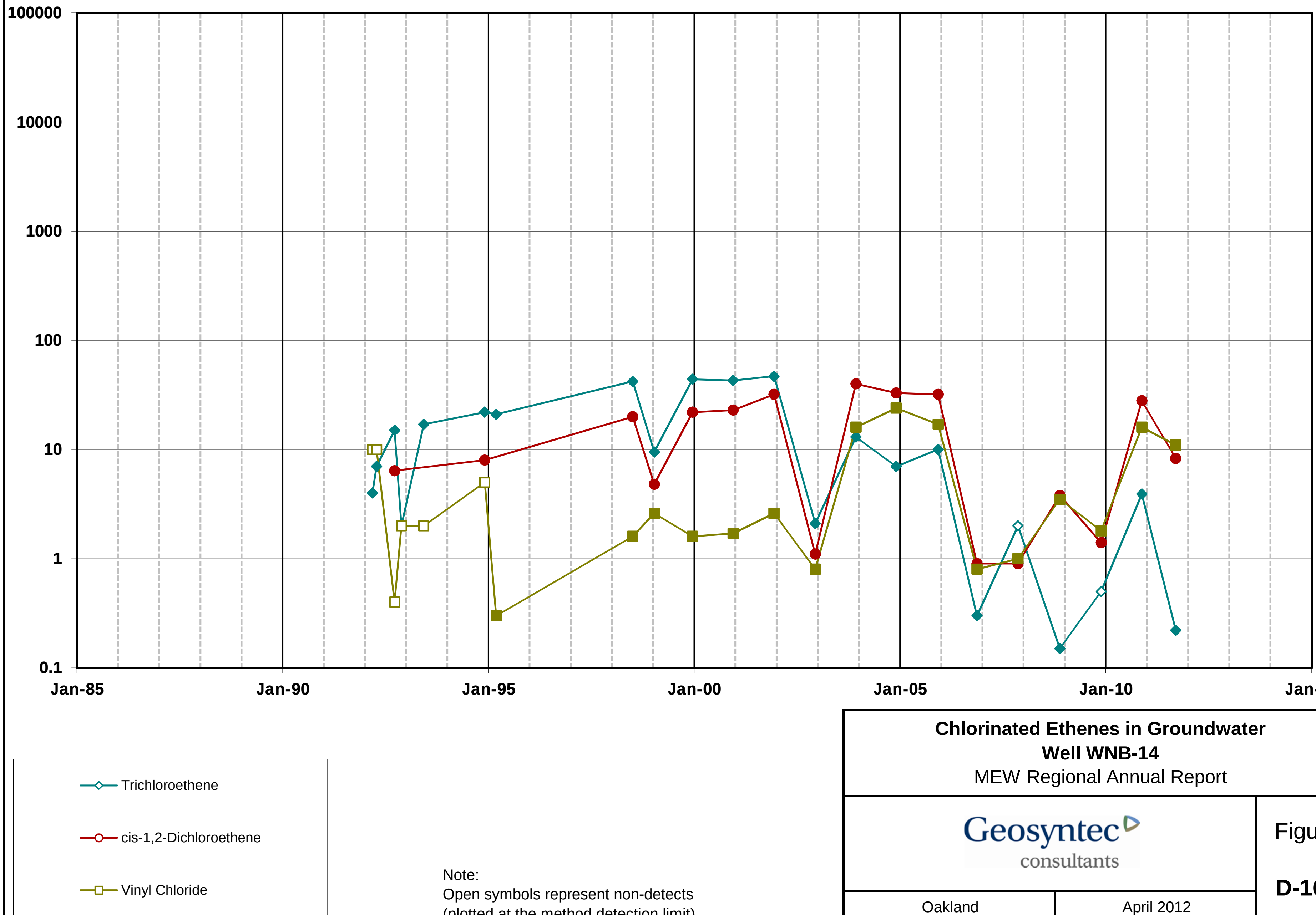
Chlorinated Ethenes in Groundwater
Well W89-14
MEW Regional Annual Report

Geosyntec consultants

Figure **D-159**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[W89-14_VOC.xls]Plot_W89-14_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

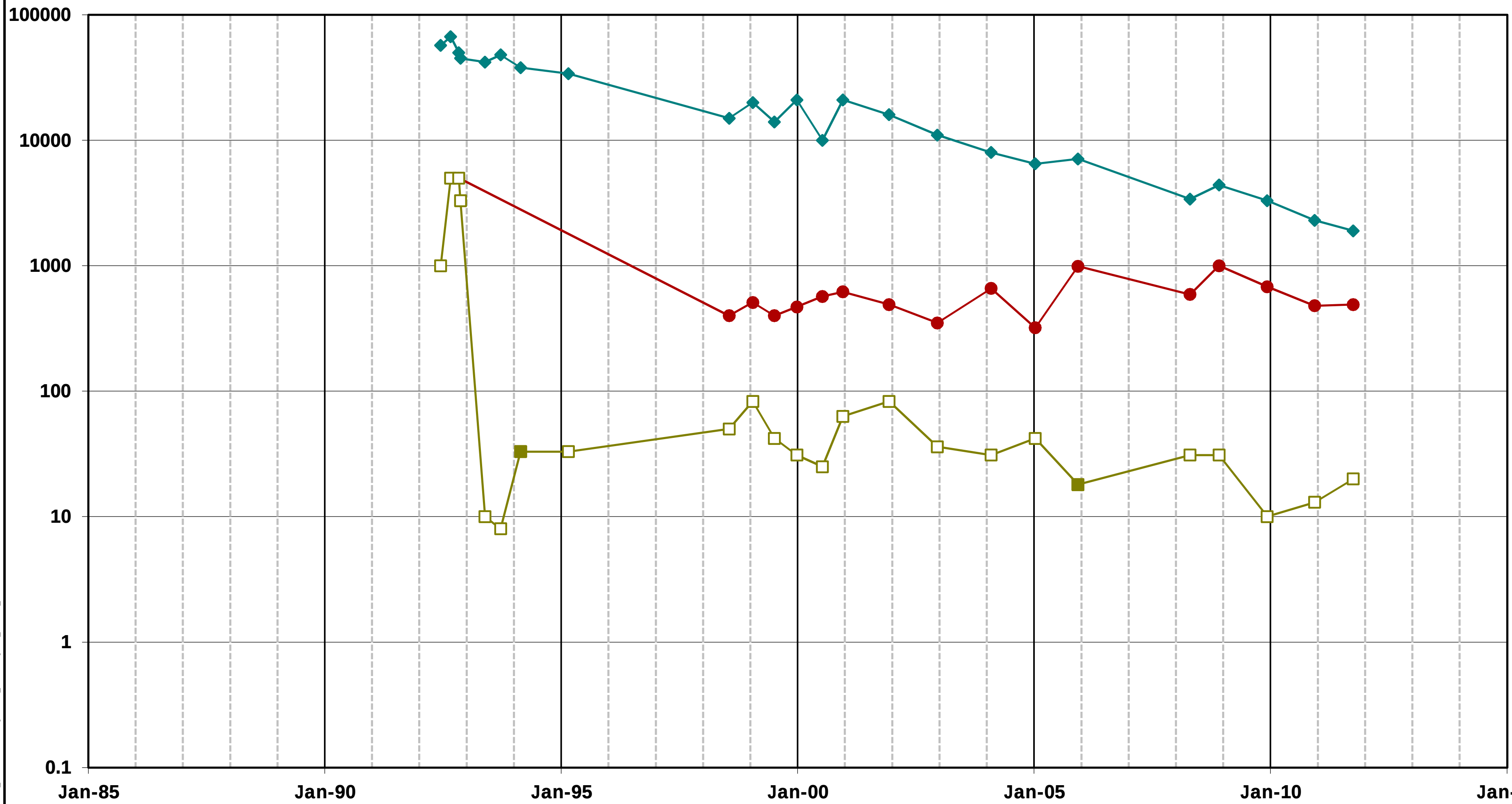
Chlorinated Ethenes in Groundwater
Well WNB-14
MEW Regional Annual Report

Geosyntec consultants

Figure **D-160**

Oakland | April 2012

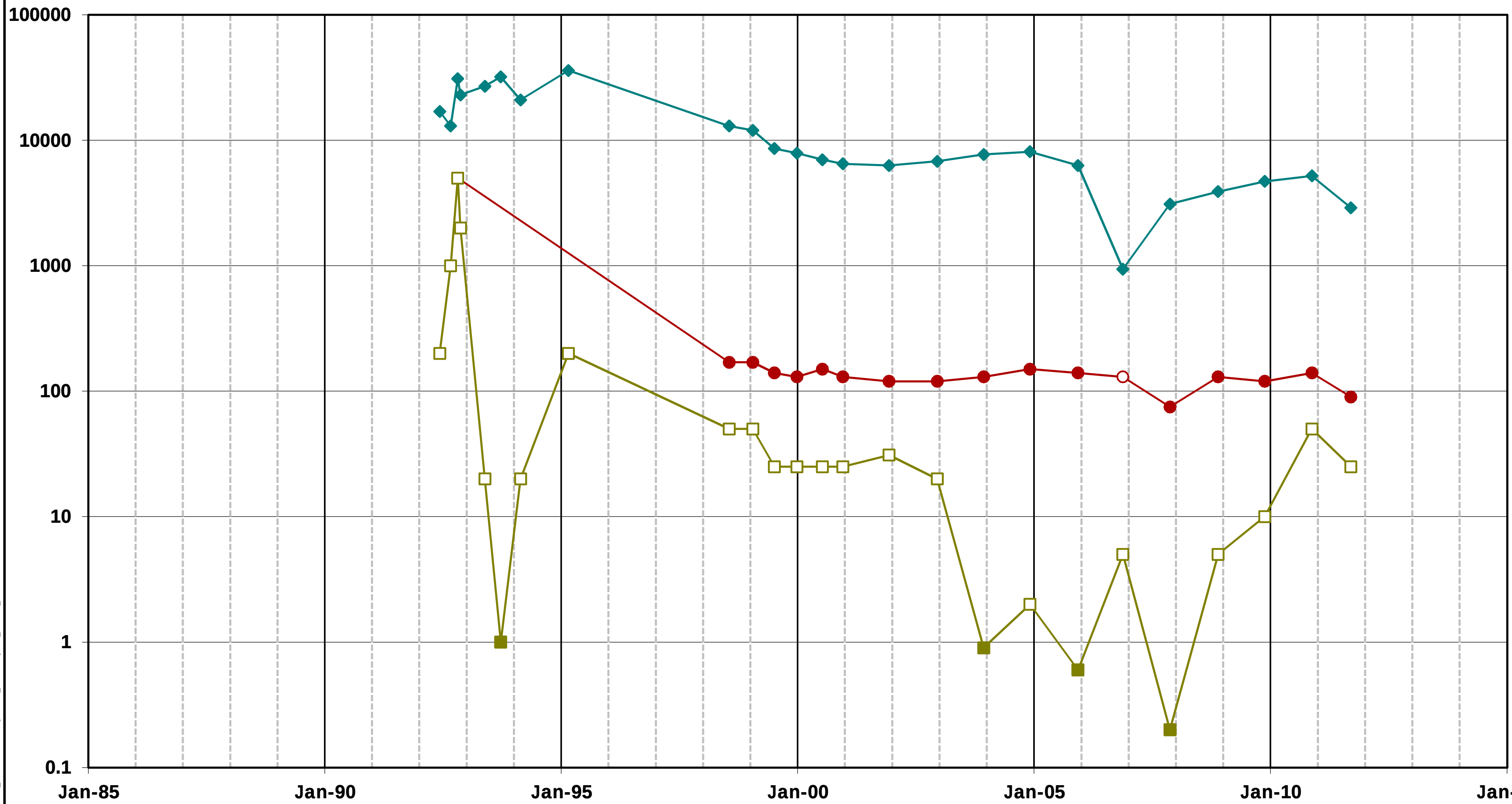
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WNB-14_VOC.xls]Plot_WNB-14_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-2_VOC.xls]Plot_WU4-2_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater Well WU4-2 MEW Regional Annual Report		
Geosyntec consultants		Figure D-161
Oakland	April 2012	



Trichloroethene
cis-1,2-Dichloroethene
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

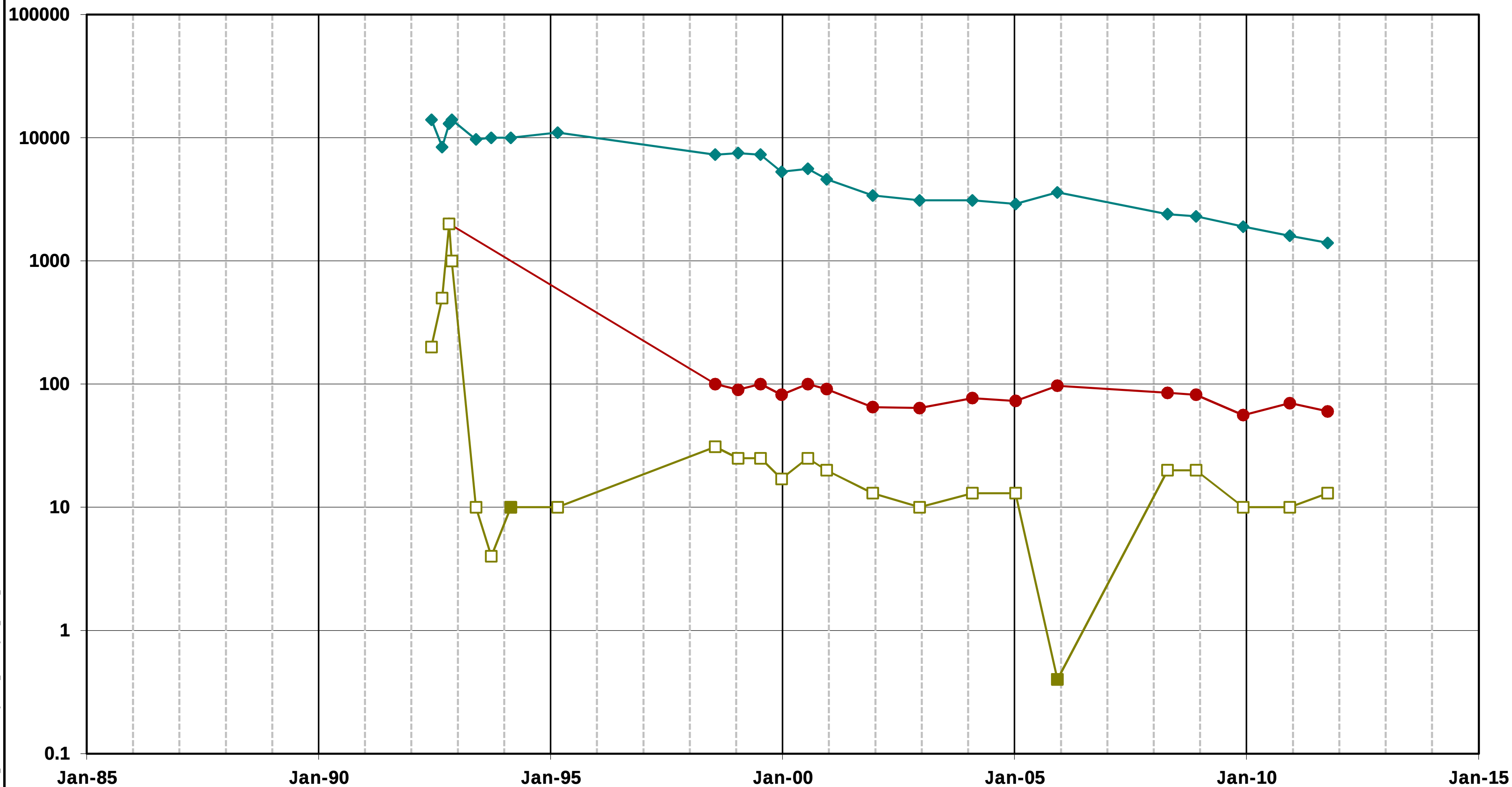
Chlorinated Ethenes in Groundwater
Well WU4-4
MEW Regional Annual Report

Geosyntec consultants

Figure **D-162**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-4_VOC.xls]Plot_WU4-4_VOC



Trichloroethene

cis-1,2-Dichloroethene

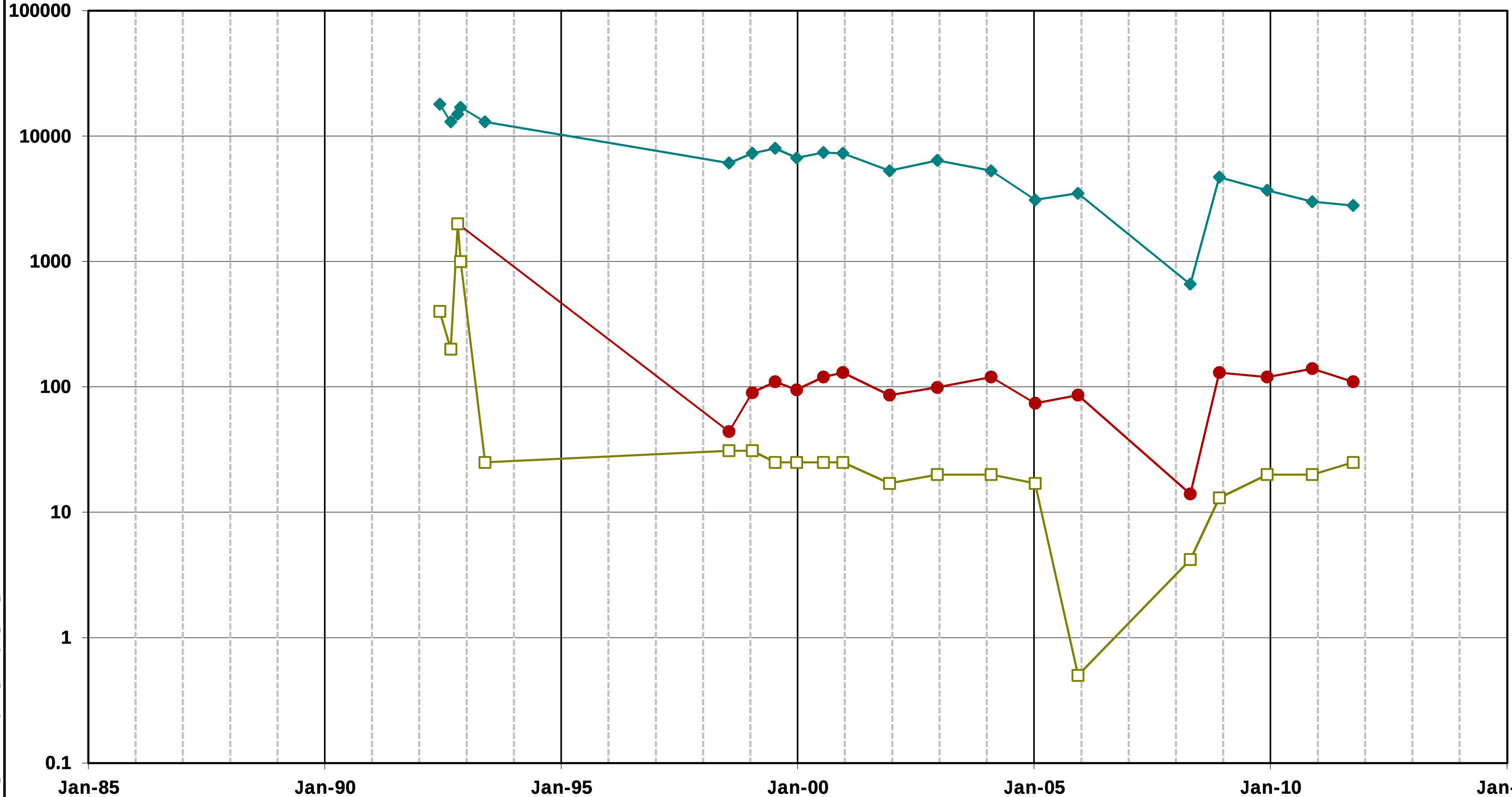
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well WU4-5
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-163**



Trichloroethene

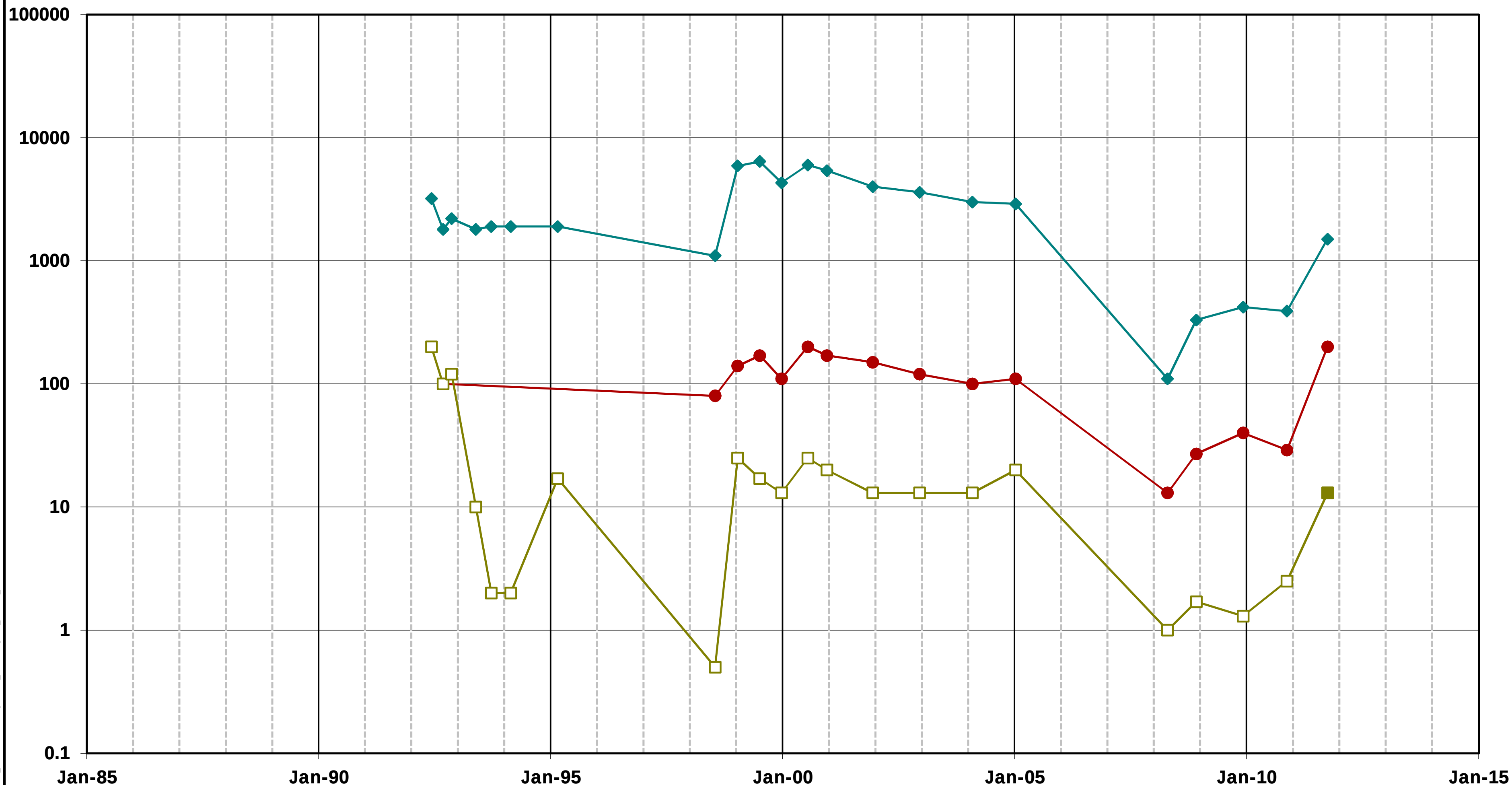
cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater **Well WU4-6** MEW Regional Annual Report		
Geosyntec consultants		Figure **D-164**
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-6_VOC.xls]Plot_WU4-6_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

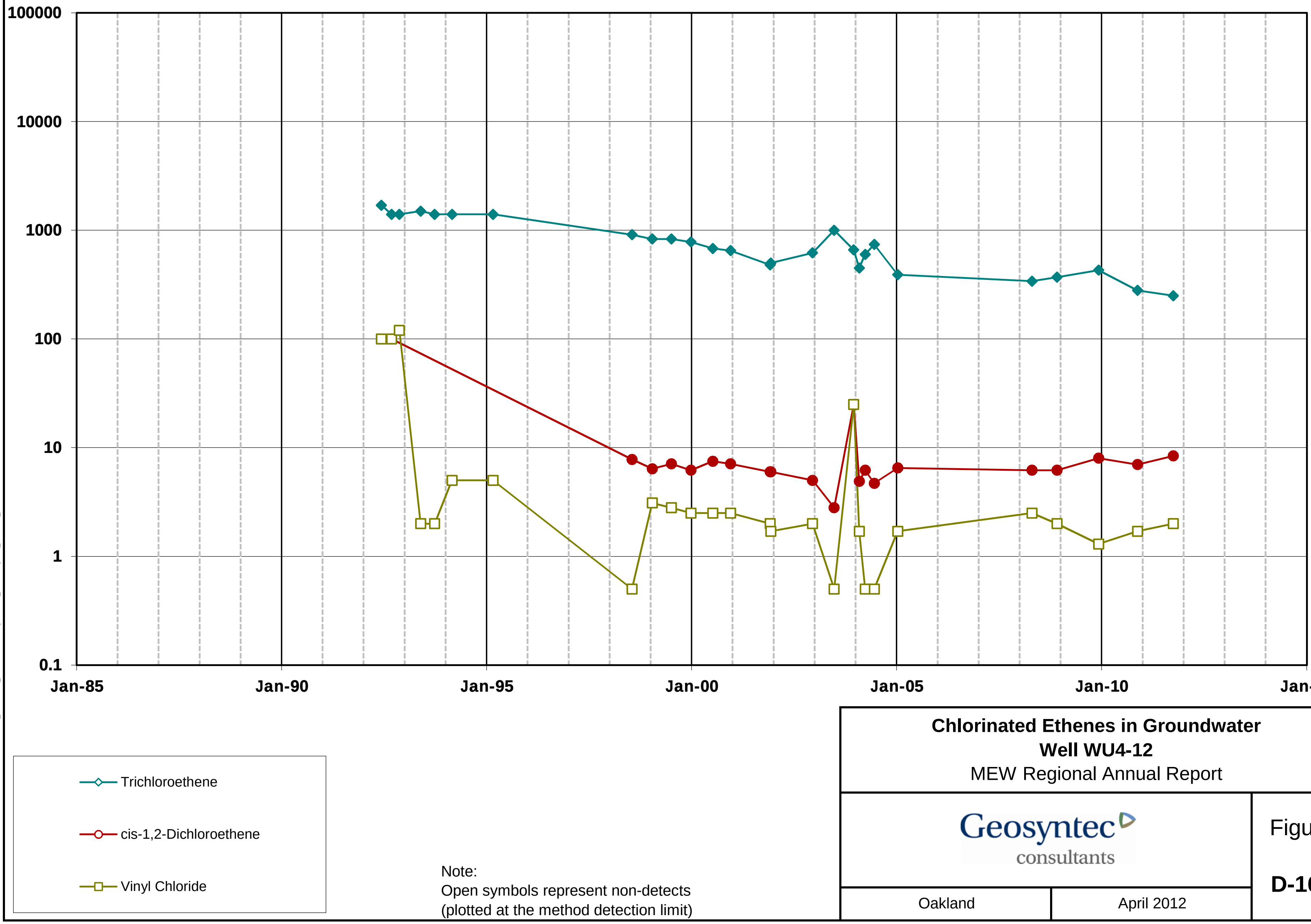
Chlorinated Ethenes in Groundwater
Well WU4-7
MEW Regional Annual Report

Geosyntec consultants

Figure **D-165**

Oakland | April 2012

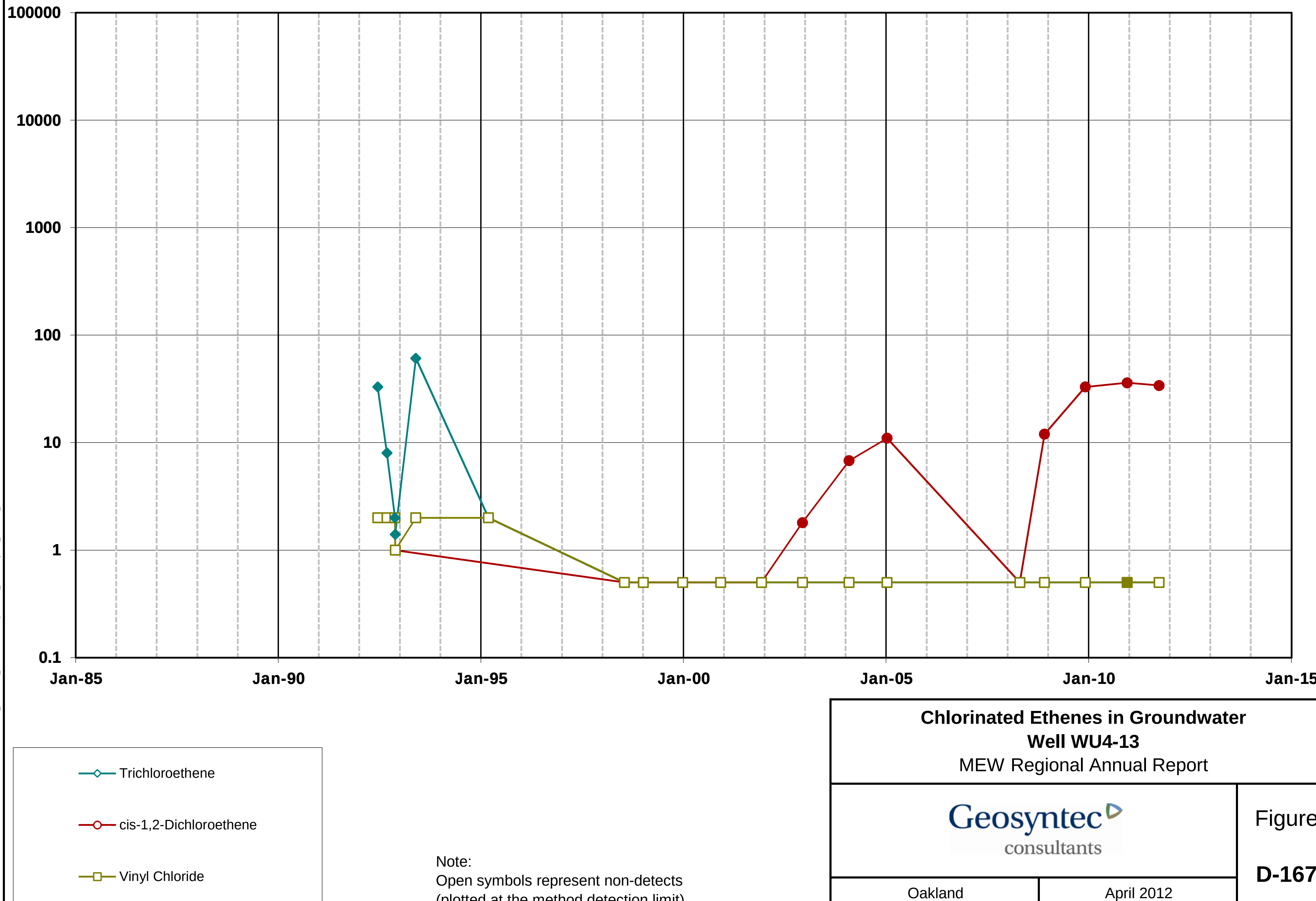
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-7_VOC.xls]Plot_WU4-7_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-12_VOC.xls]Plot_WU4-12_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater Well WU4-12 MEW Regional Annual Report		
Geosyntec consultants		Figure D-166
Oakland	April 2012	



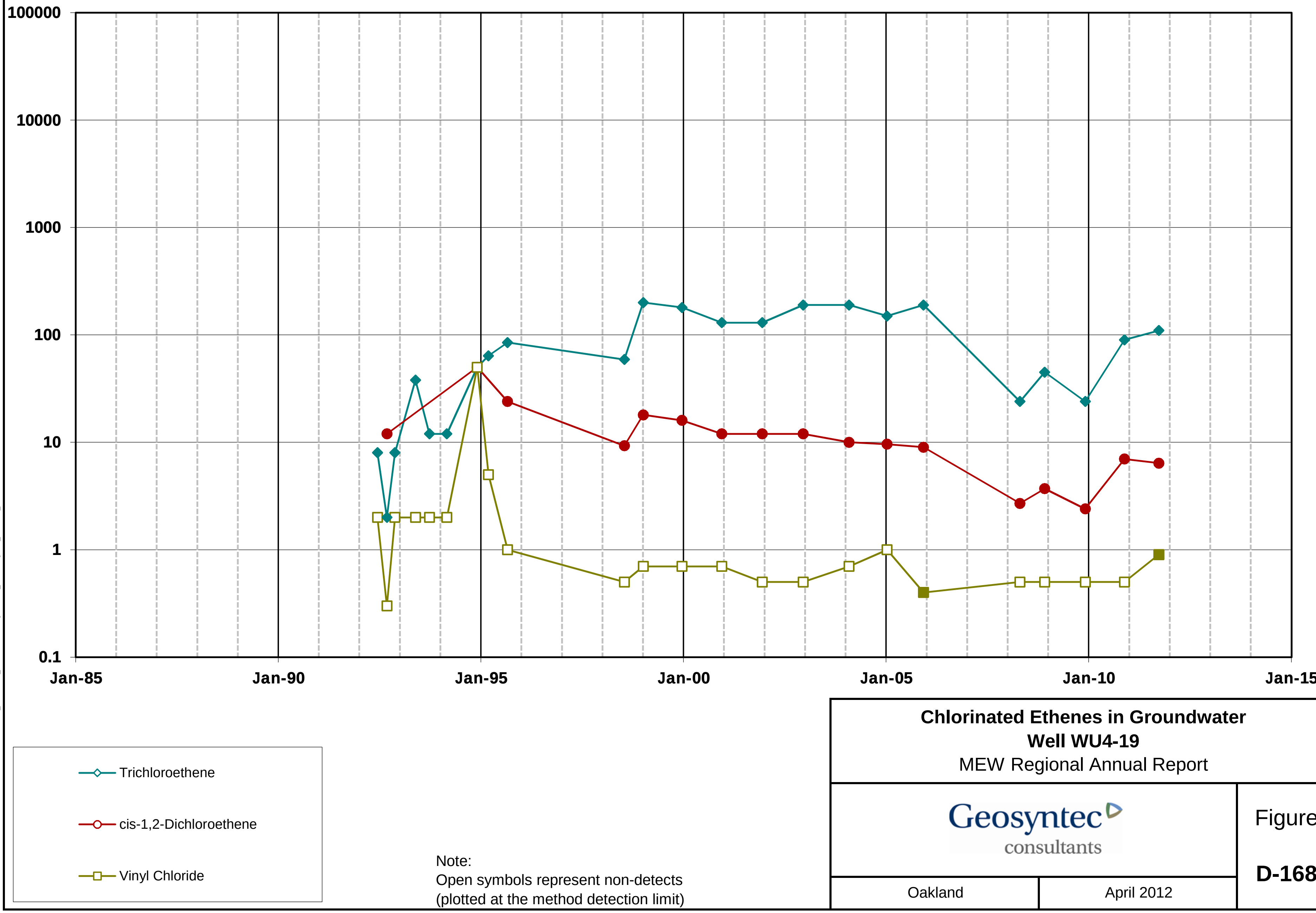
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-13_VOC.xls]Plot_WU4-13_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well WU4-13
MEW Regional Annual Report

Geosyntec consultants

Oakland	April 2012	Figure **D-167**



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

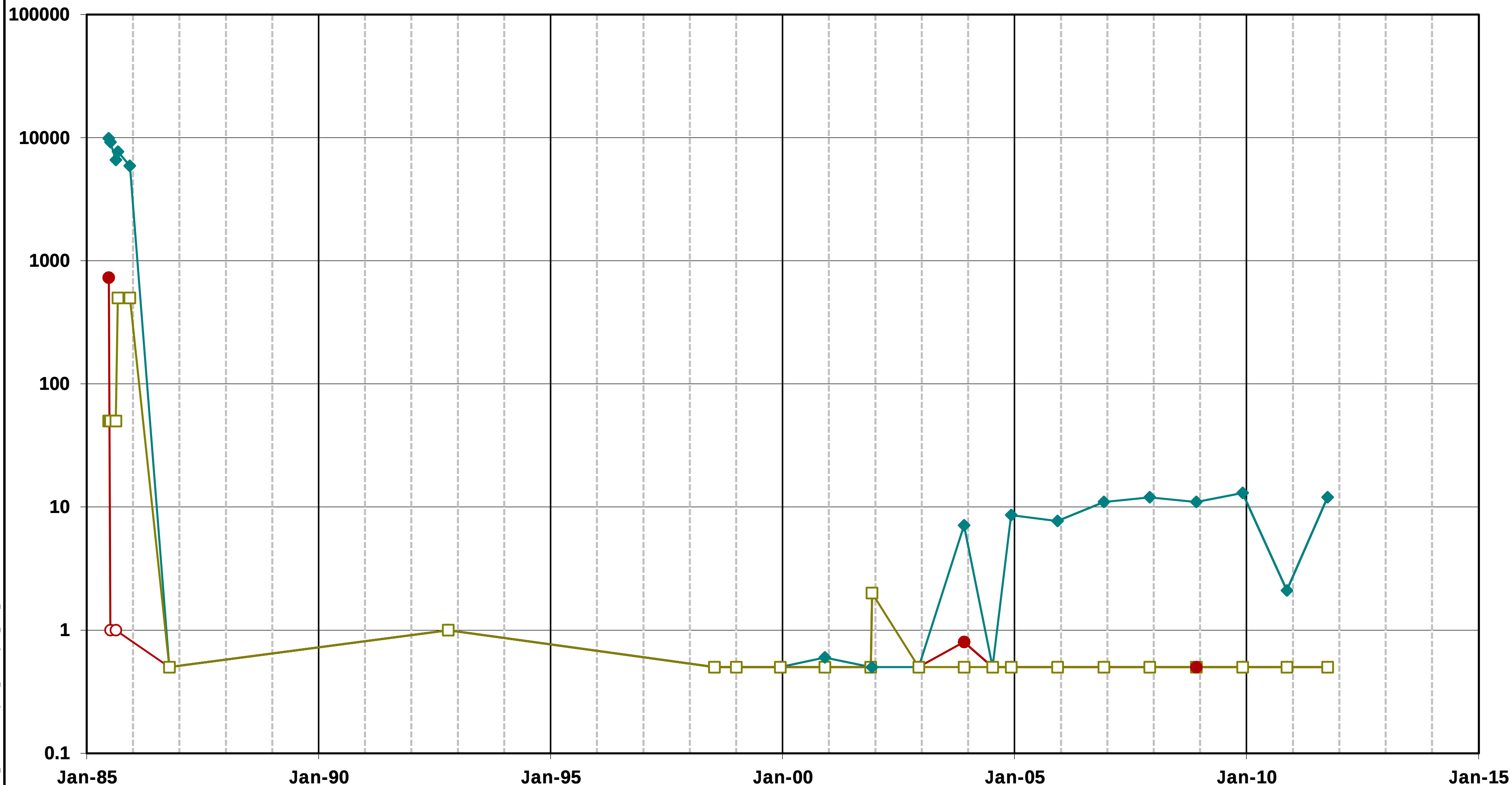
Chlorinated Ethenes in Groundwater
Well WU4-19
MEW Regional Annual Report

Geosyntec consultants

Figure
D-168

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[WU4-19_VOC.xls]Plot_WU4-19_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[17B2_VOC.xls]Plot_17B2_VOC

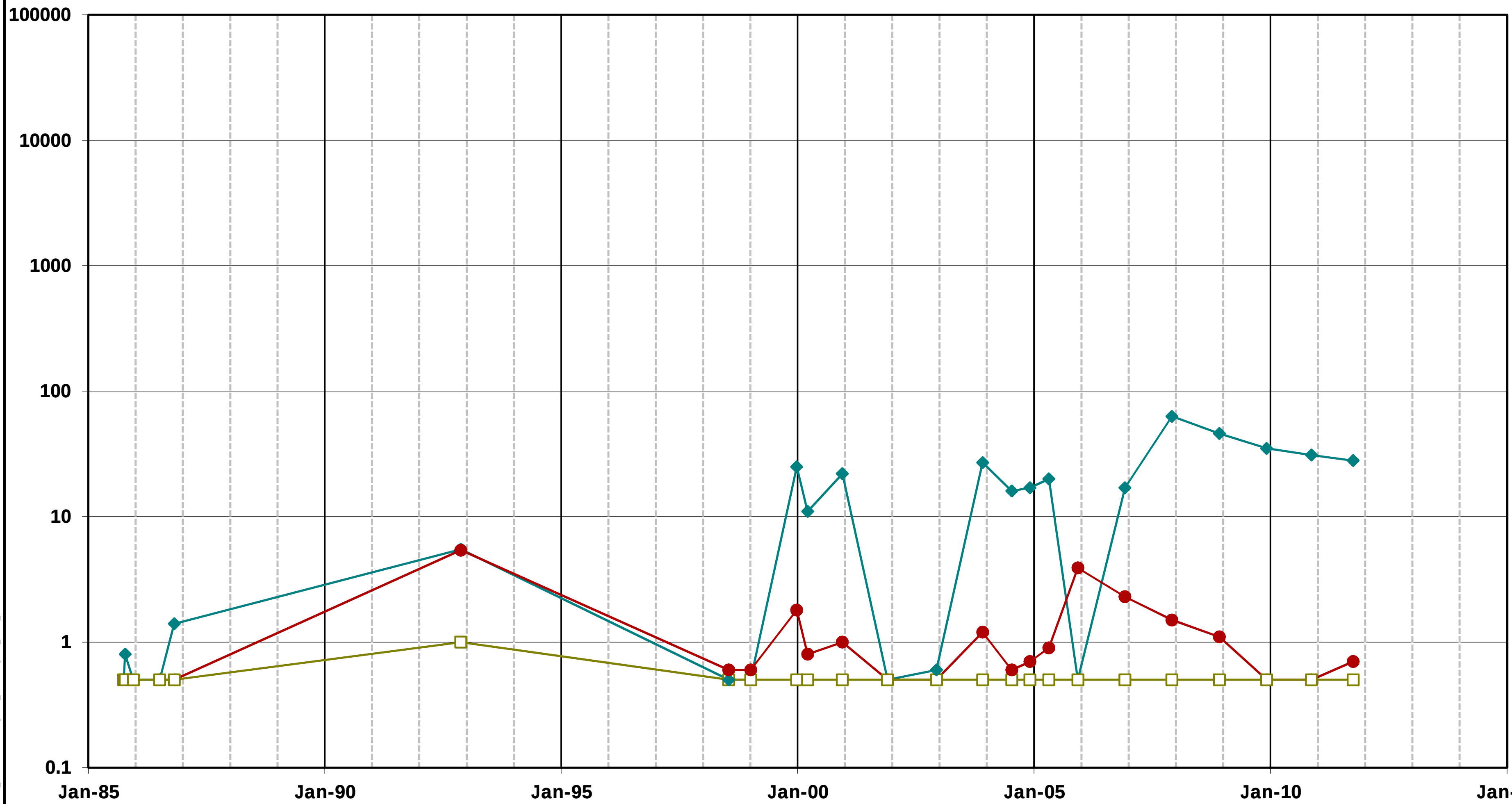
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 17B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-169**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

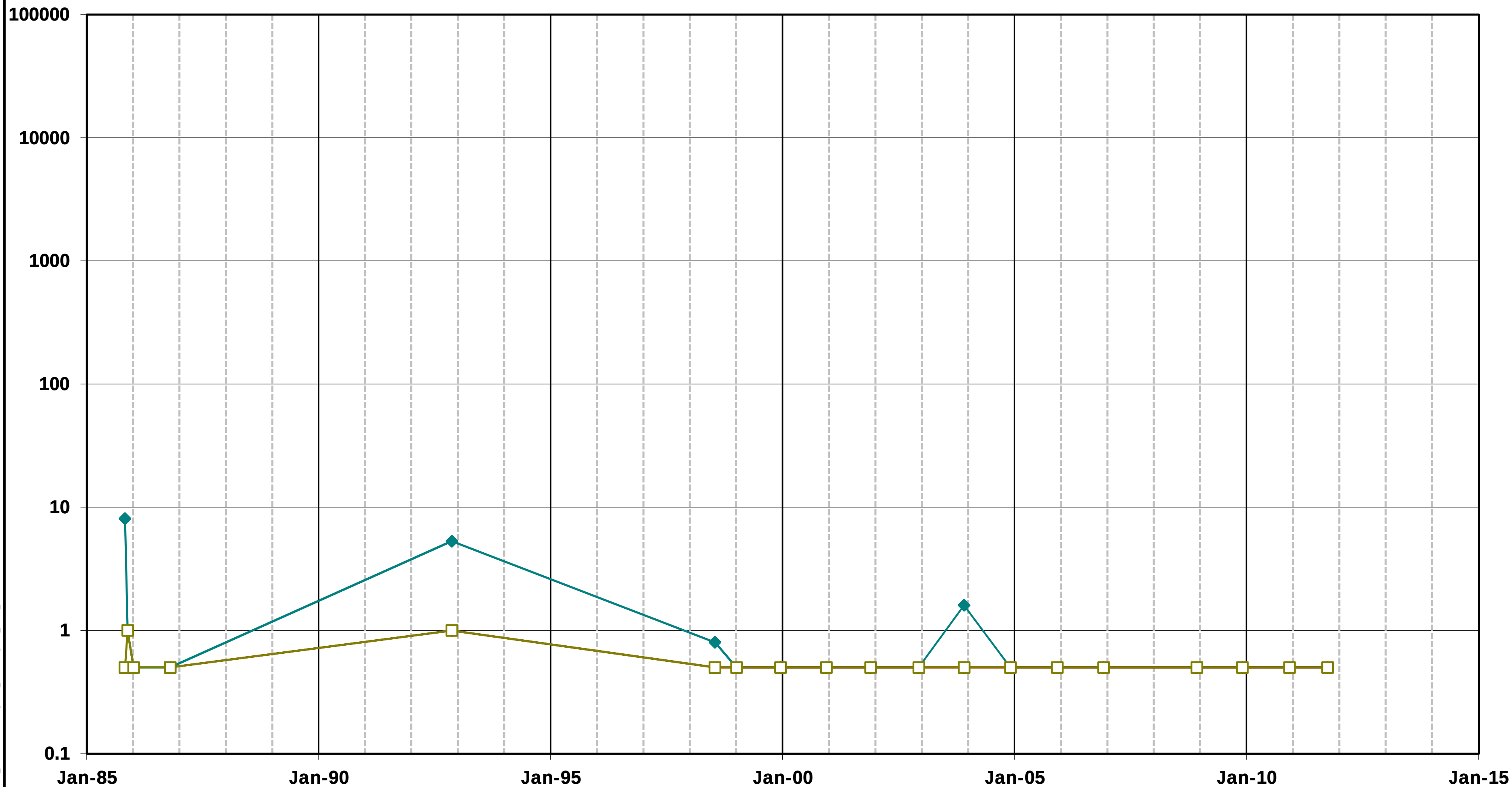
Chlorinated Ethenes in Groundwater
Well 51B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-170**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[51B2_VOC.xls]Plot_51B2_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

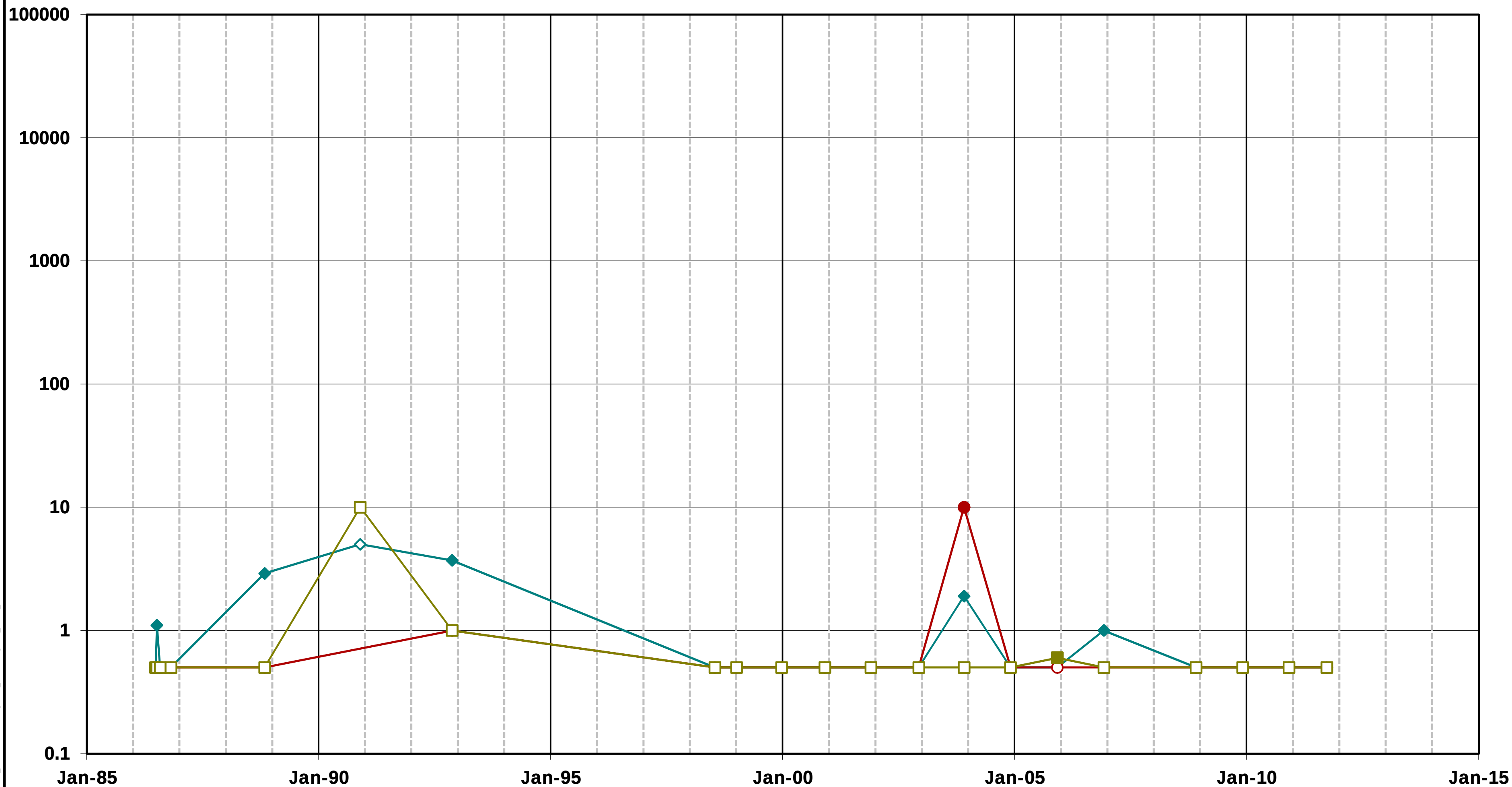
Chlorinated Ethenes in Groundwater
Well 54B2
MEW Regional Annual Report

Geosyntec consultants

Figure
D-171

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[54B2_VOC.xls]Plot_54B2_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 82B2
MEW Regional Annual Report

Geosyntec consultants

Figure

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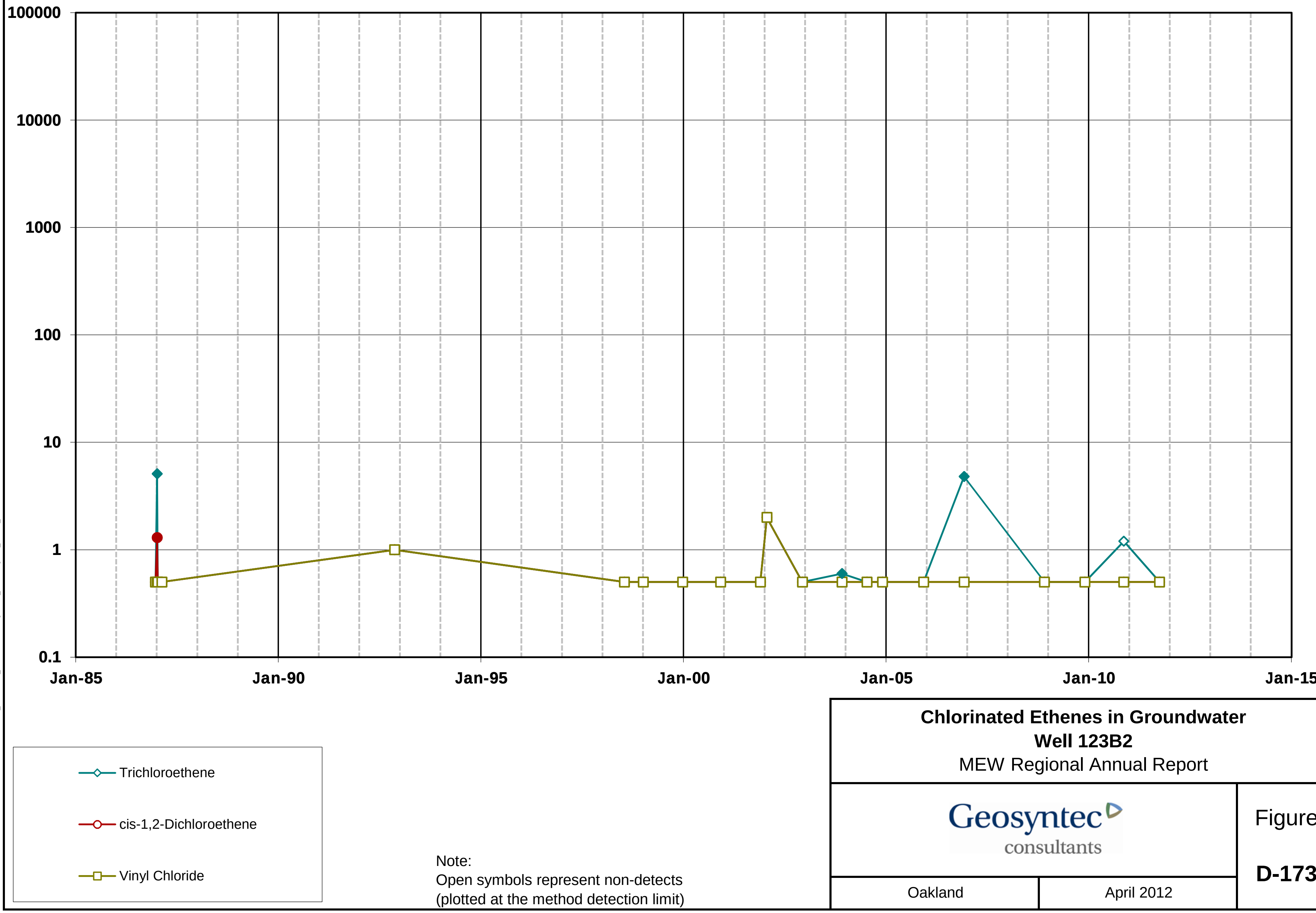
Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[82B2_VOC.xls]Plot_82B2_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 123B2
MEW Regional Annual Report

Geosyntec consultants

Figure
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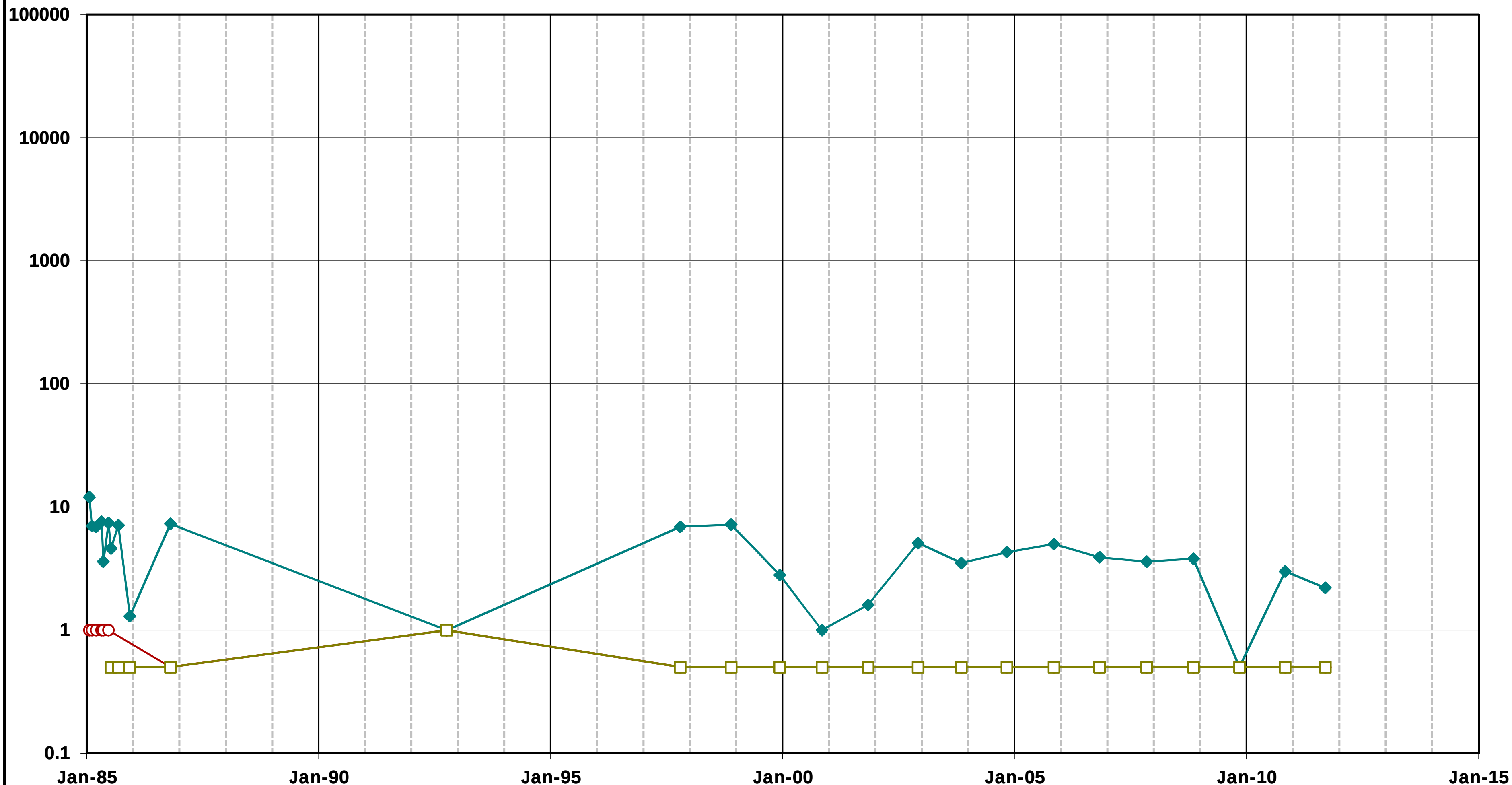
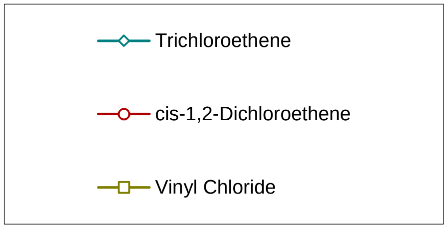
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[123B2_VOC.xls]Plot_123B2_VOC





Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 6B2
MEW Regional Annual Report

Geosyntec consultants

Figure
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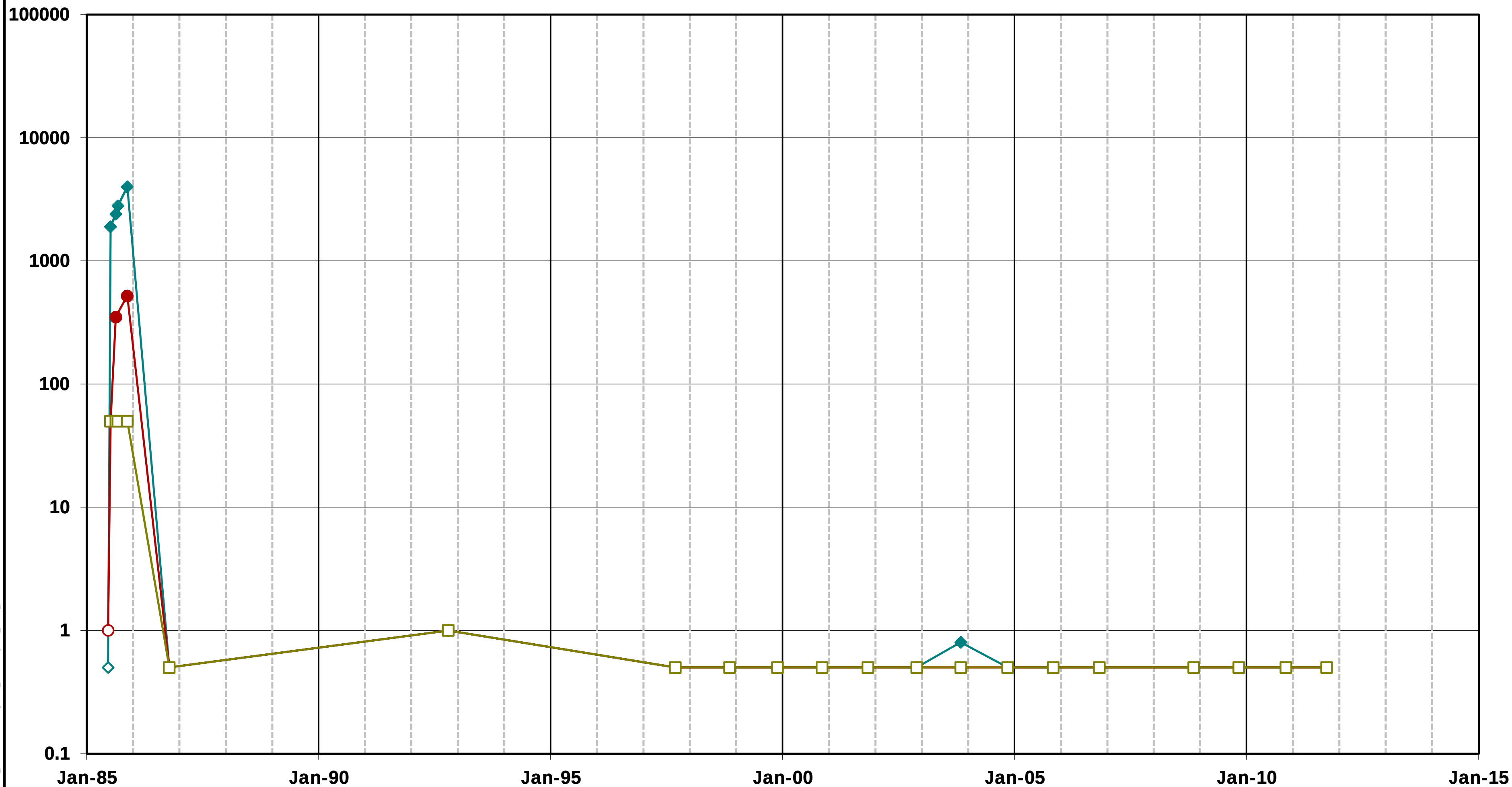
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[6B2_VOC.xls]Plot_6B2_VOC



Trichloroethene
cis-1,2-Dichloroethene
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 15B2
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure
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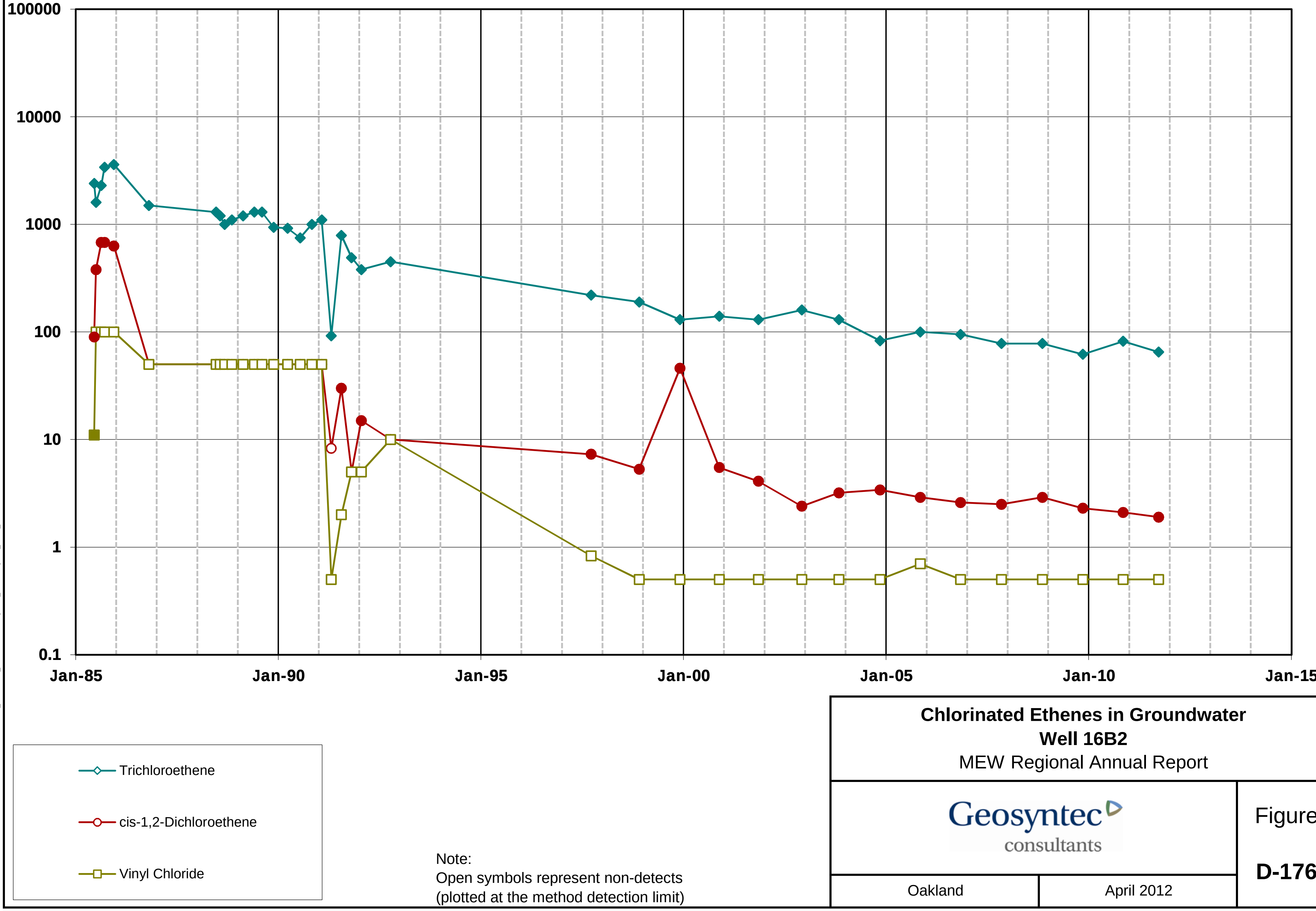

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 16B2
MEW Regional Annual Report

Geosyntec consultants

Figure
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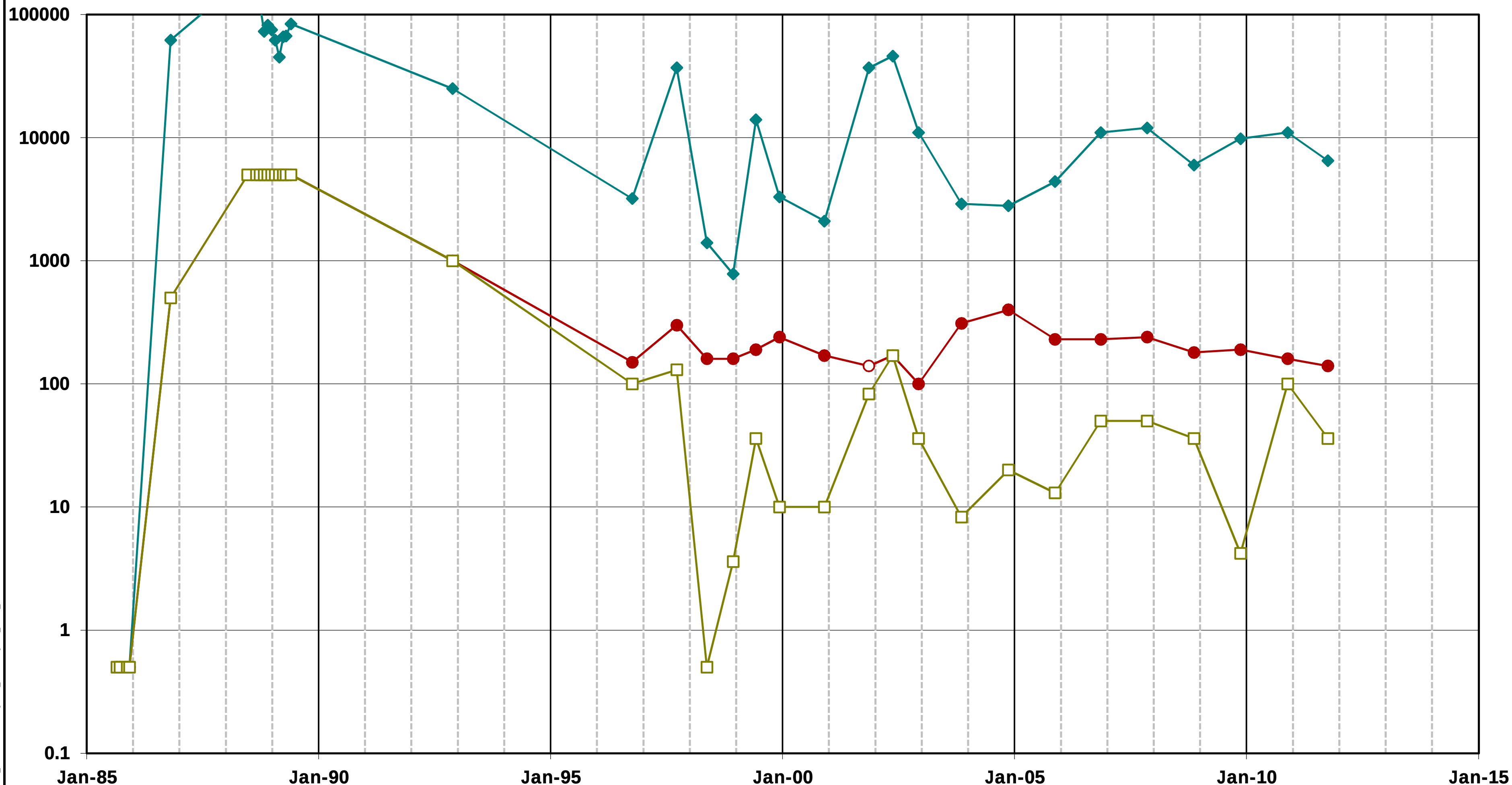
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[16B2_VOC.xls]Plot_16B2_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 36B2
MEW Regional Annual Report

Geosyntec consultants

Figure
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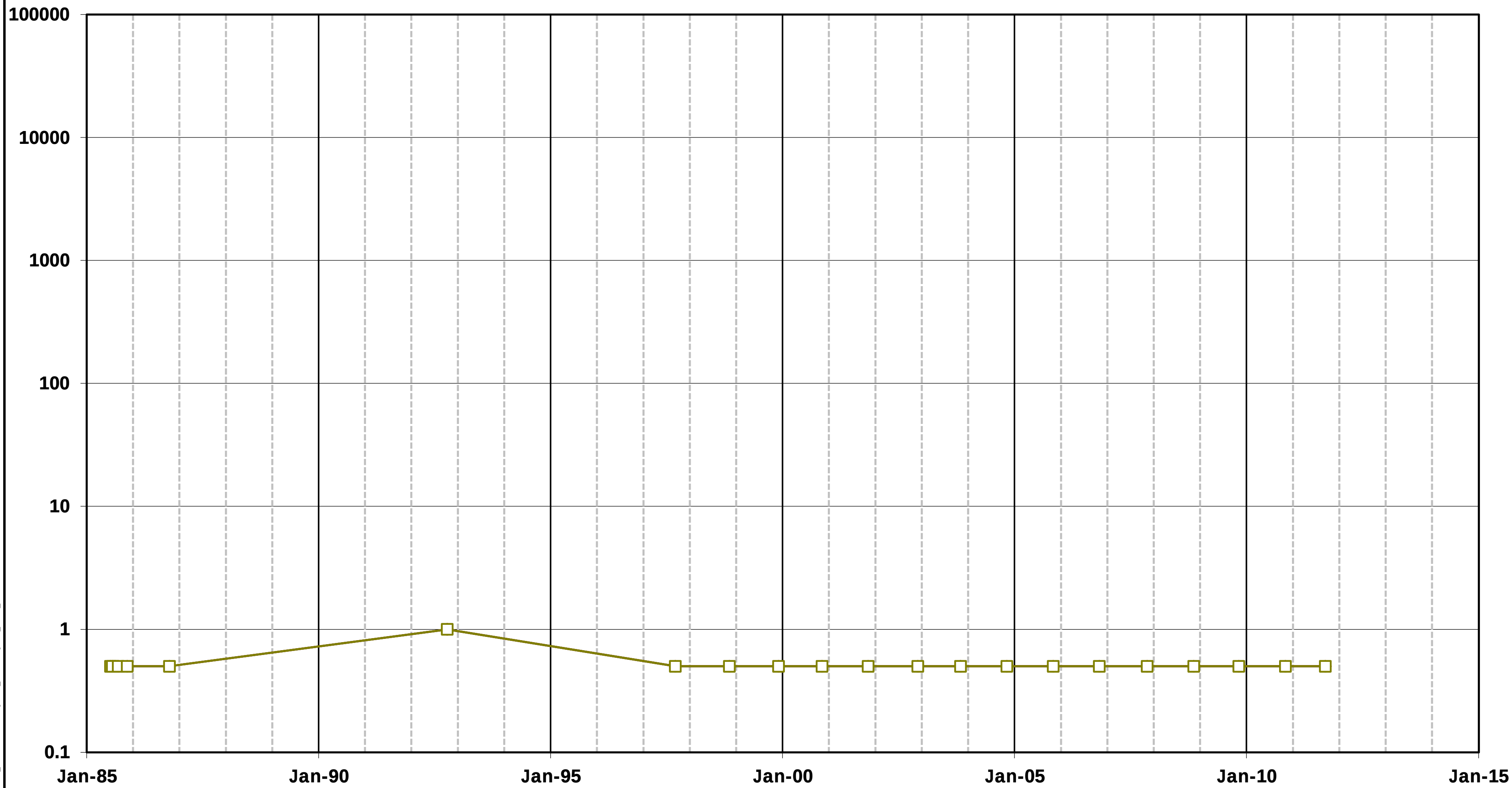
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[36B2_VOC.xls]Plot_36B2_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 37B2
MEW Regional Annual Report

Geosyntec consultants

Figure

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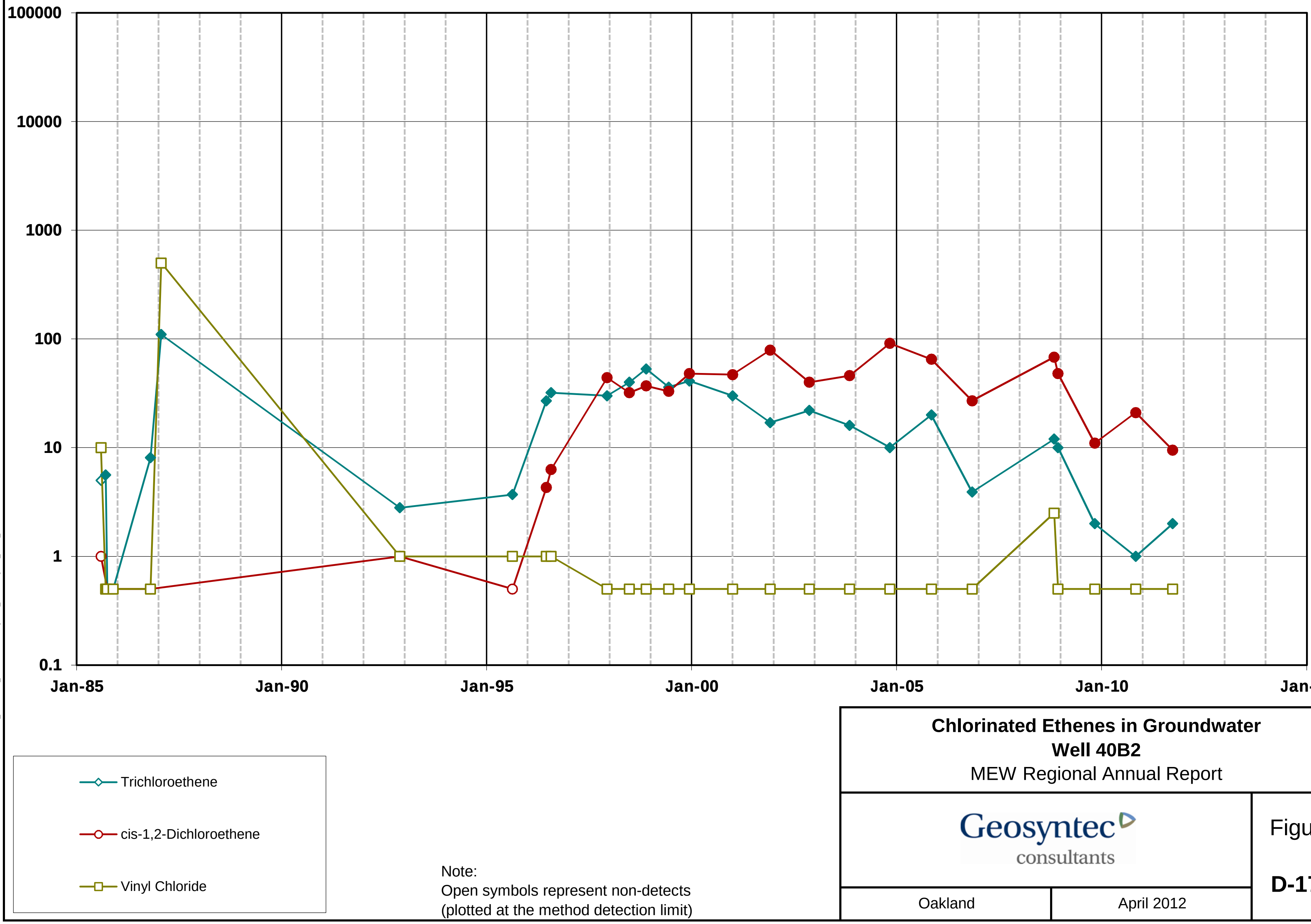
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[37B2_VOC.xls]Plot_37B2_VOC



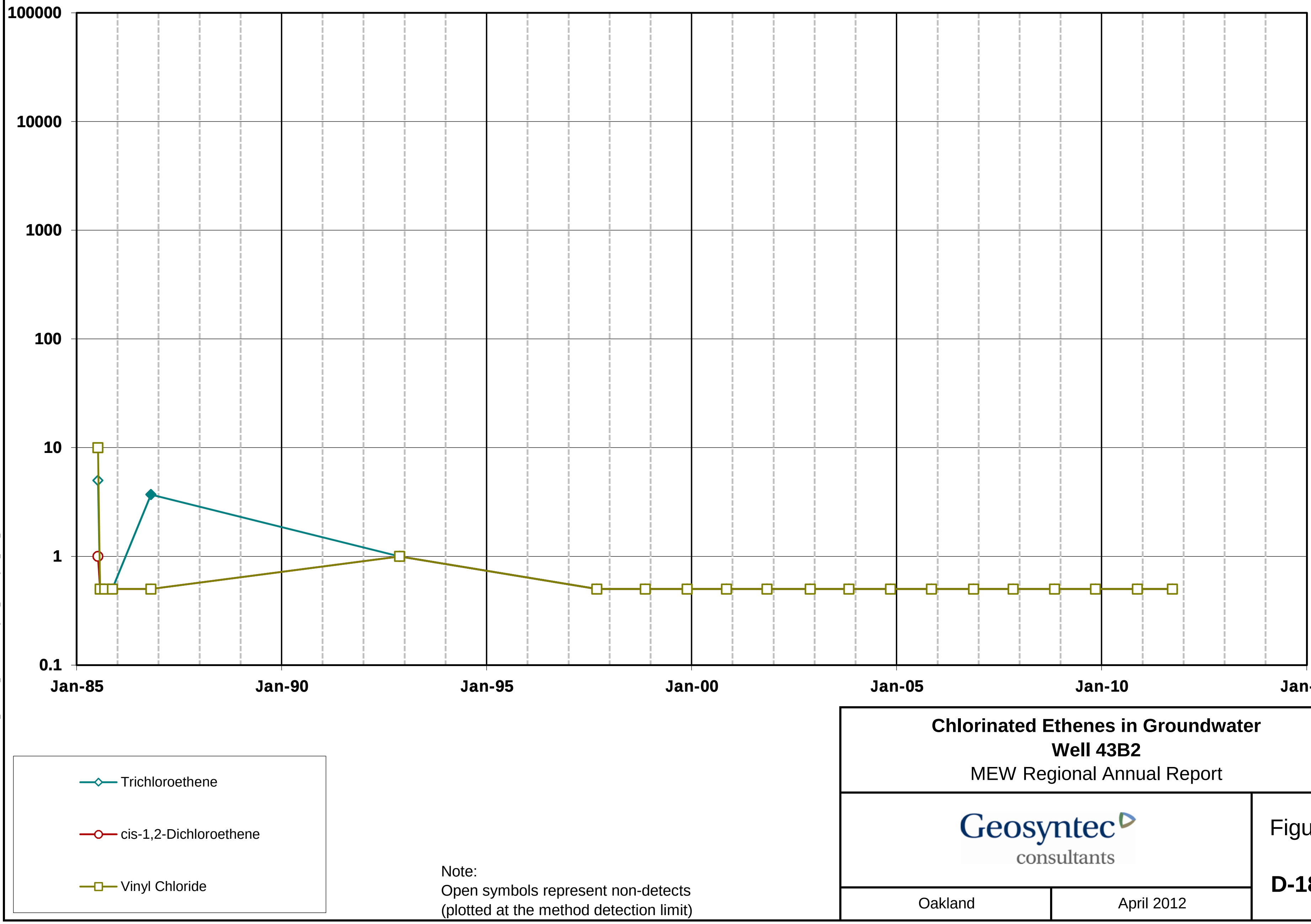
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 40B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-179**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

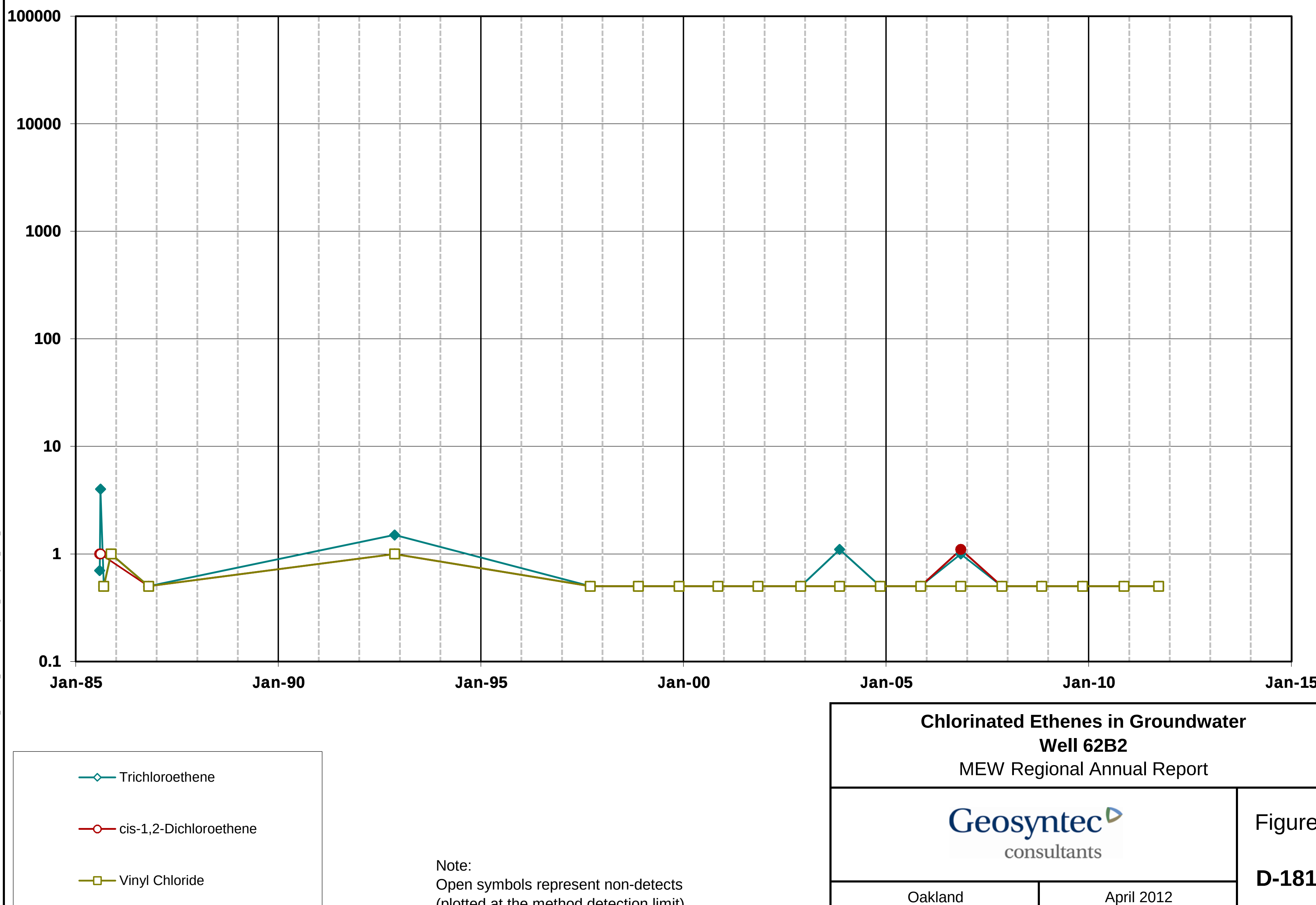
Chlorinated Ethenes in Groundwater
Well 43B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-180**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[43B2_VOC.xls]Plot_43B2_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 62B2
MEW Regional Annual Report

Geosyntec consultants

Figure
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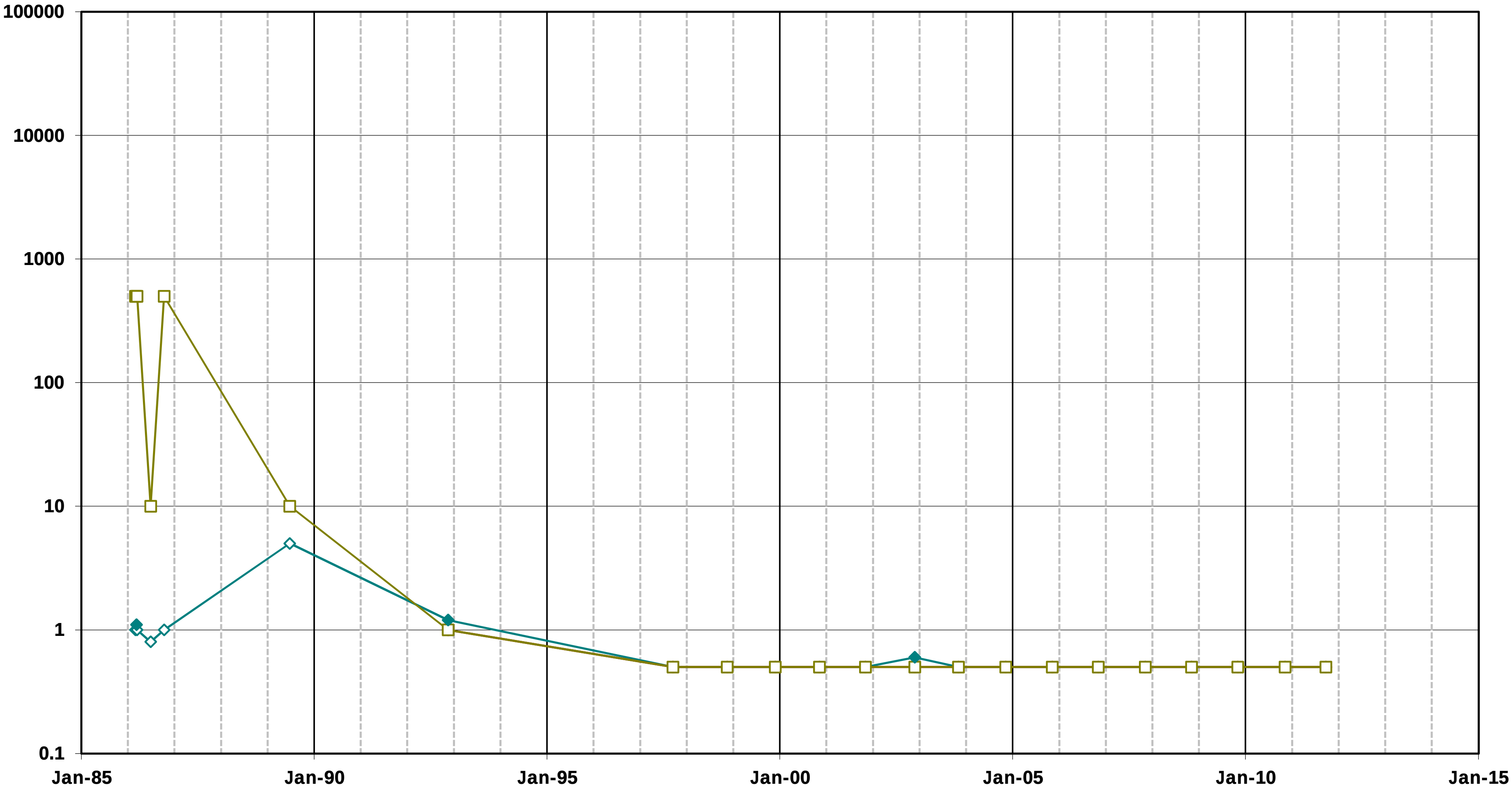
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[62B2_VOC.xls]Plot_62B2_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

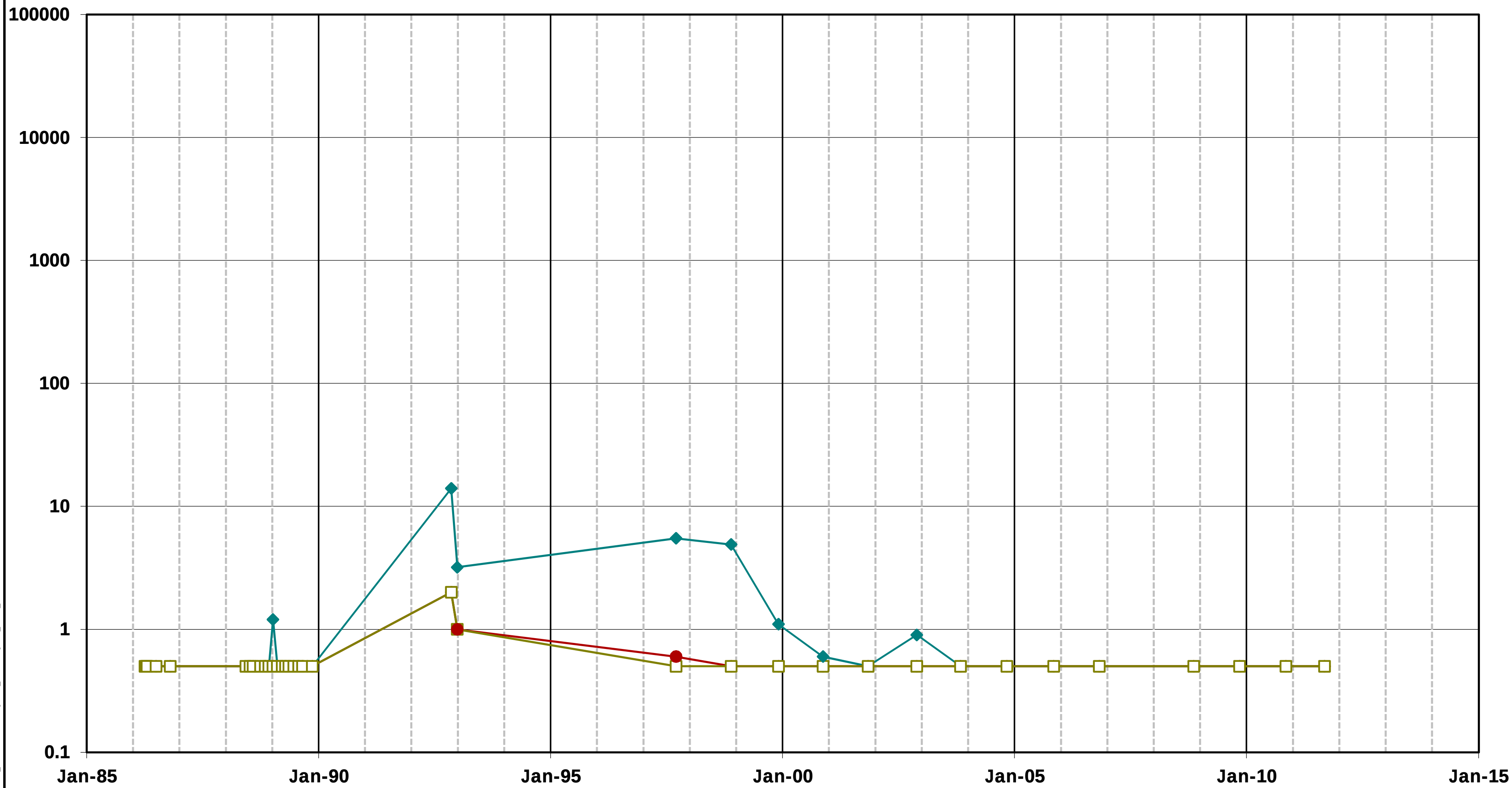
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 75B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-182**

Oakland	April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

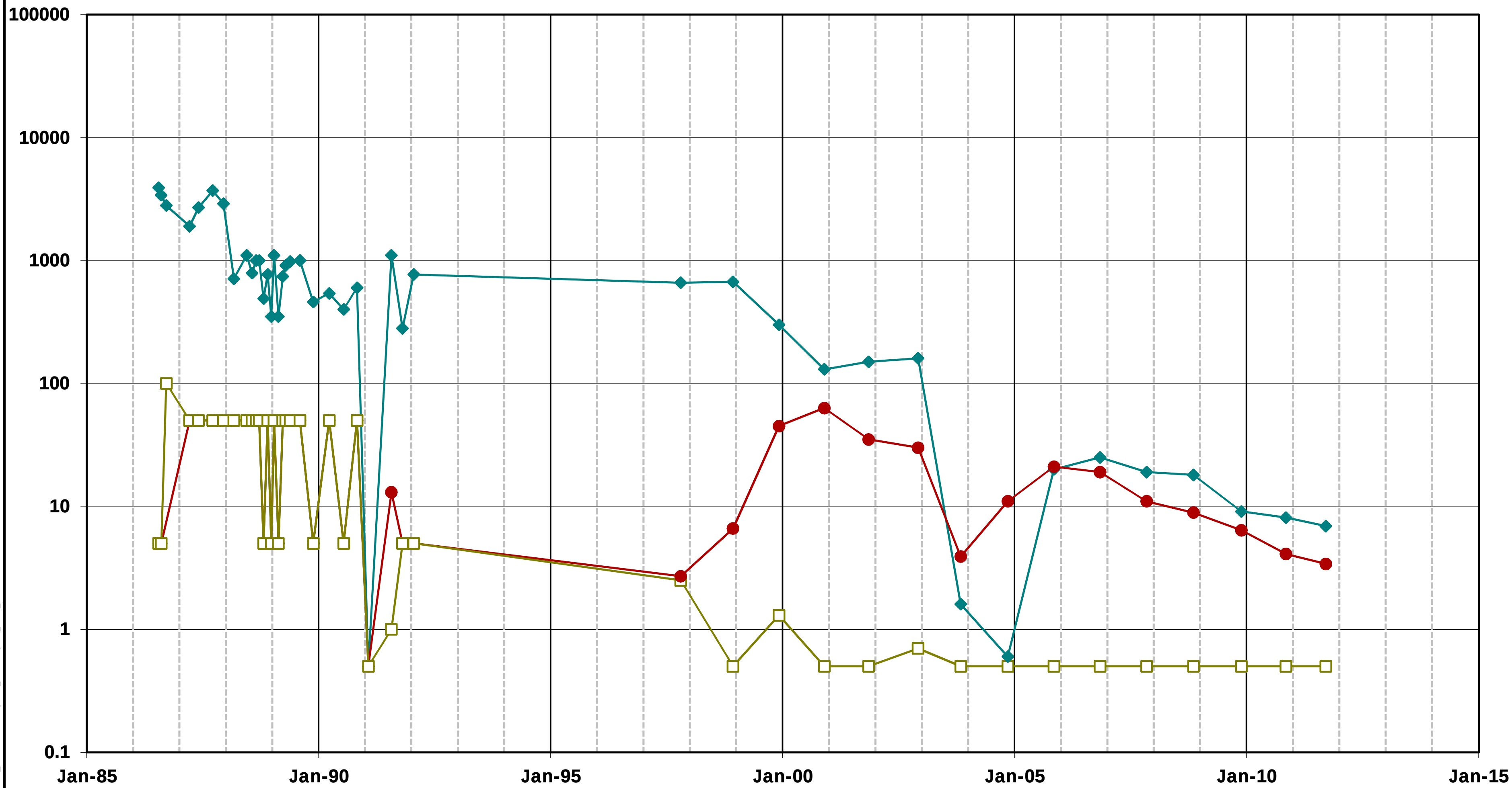
Chlorinated Ethenes in Groundwater
Well 76B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-183**

Oakland | April 2012

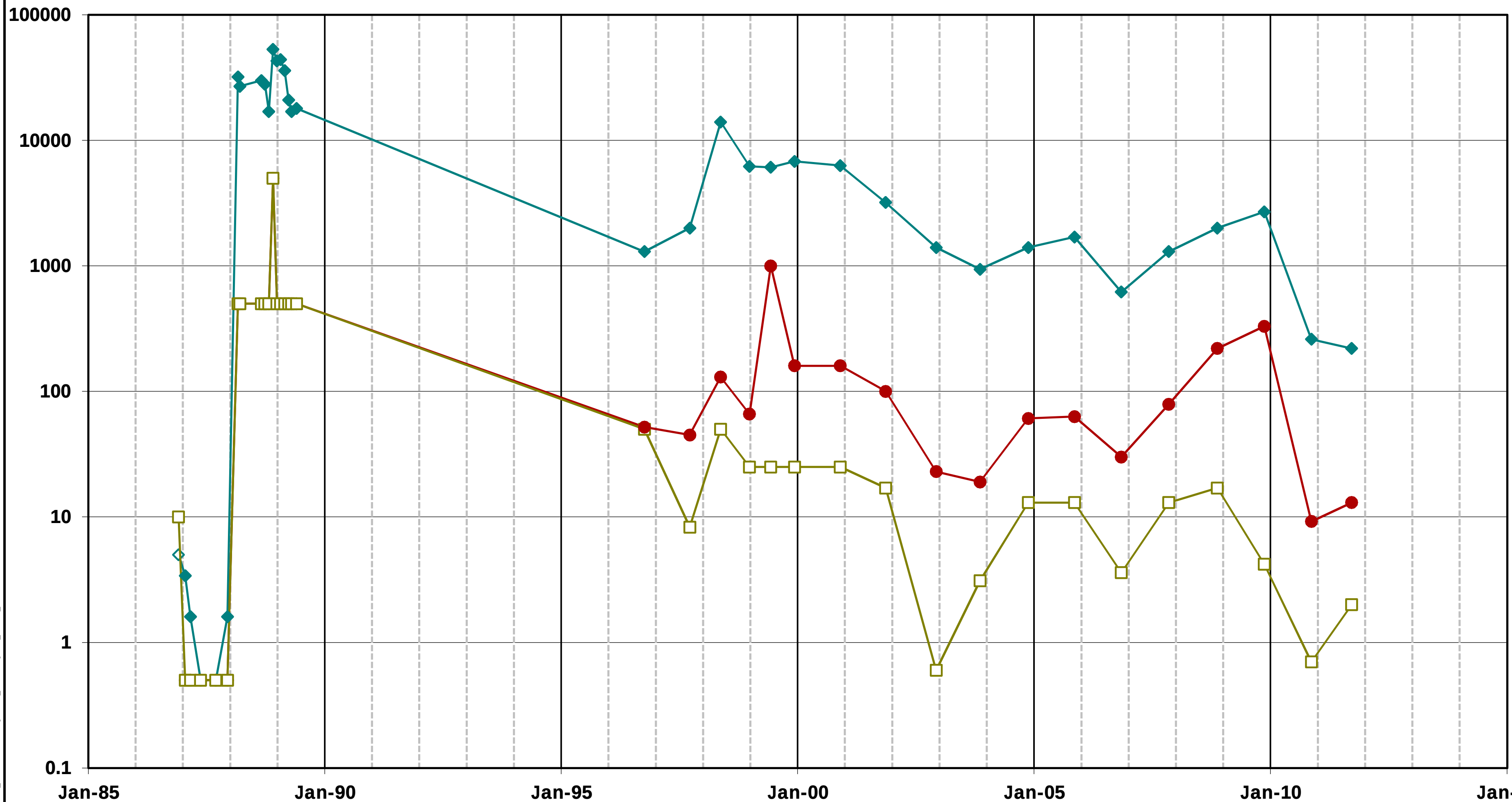
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[7682_VOC.xls]Plot_7682_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater **Well 89B2** MEW Regional Annual Report		
Geosyntec consultants		Figure **D-184**
Oakland	April 2012	

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[89B2_VOC.xls]Plot_89B2_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 113B2
MEW Regional Annual Report

Geosyntec consultants

Figure

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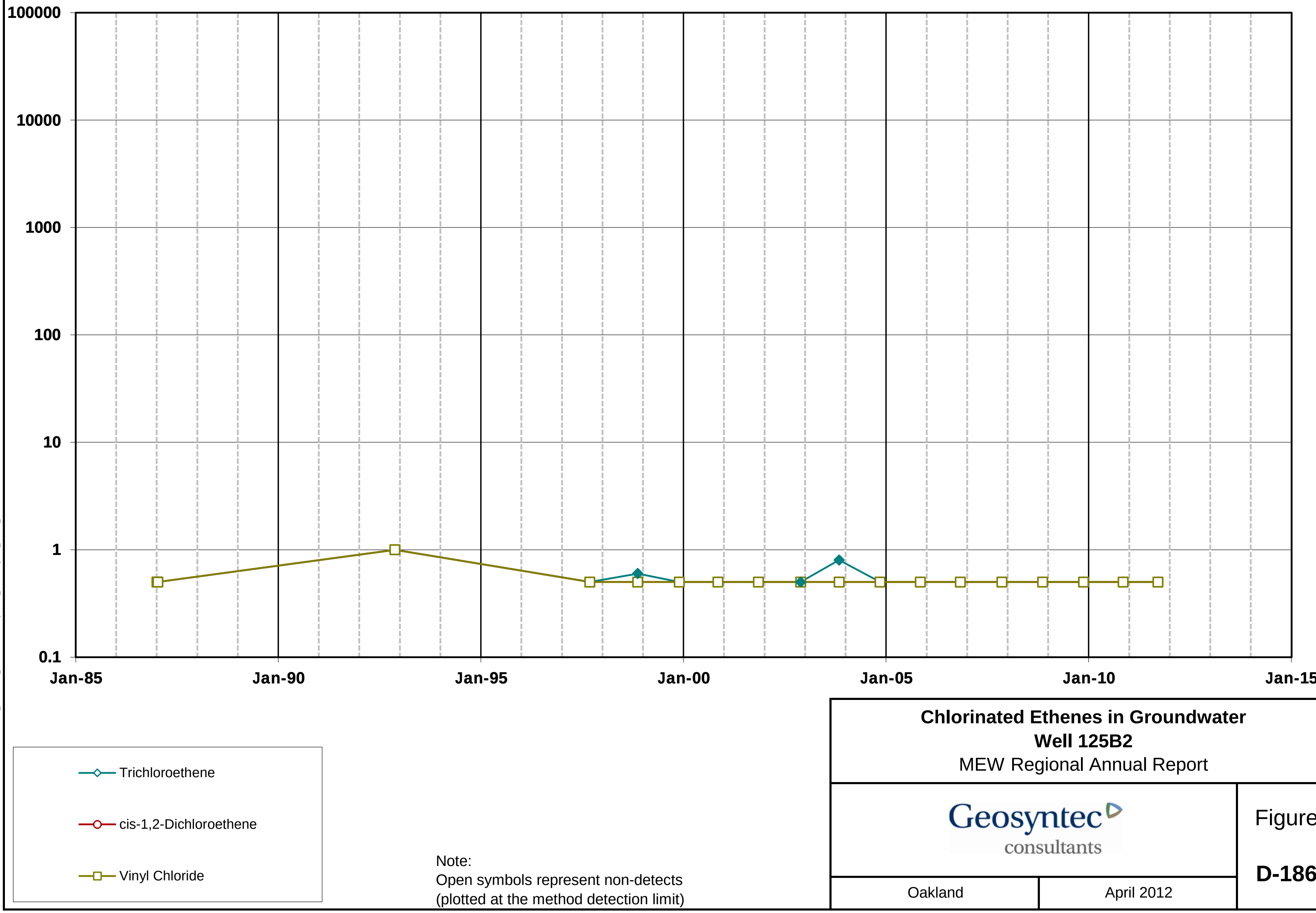
Oakland | April 2012



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[125B2_VOC.xls]Plot_125B2_VOC

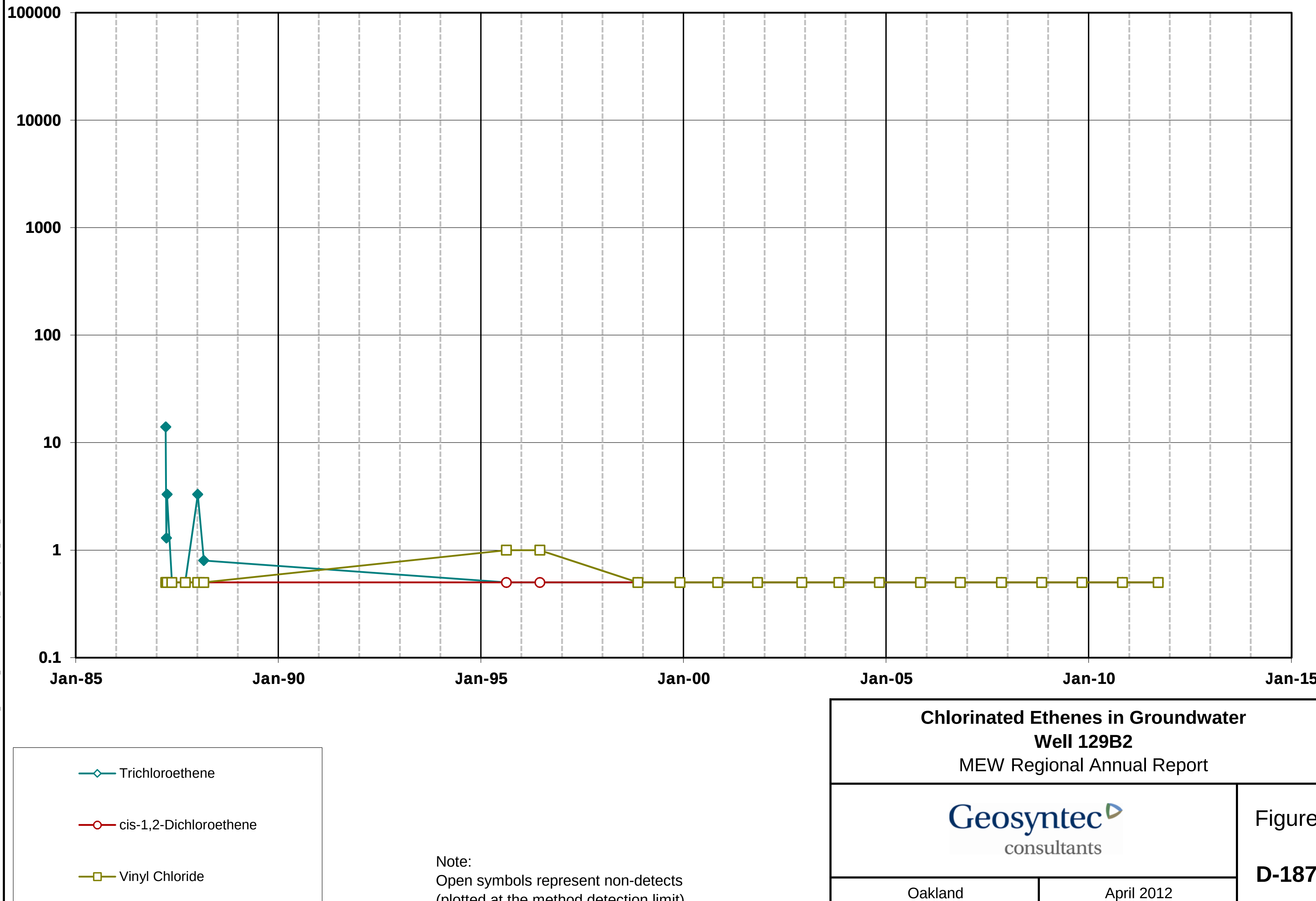
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 125B2
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure **D-186**



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 129B2
MEW Regional Annual Report

Geosyntec consultants

Figure
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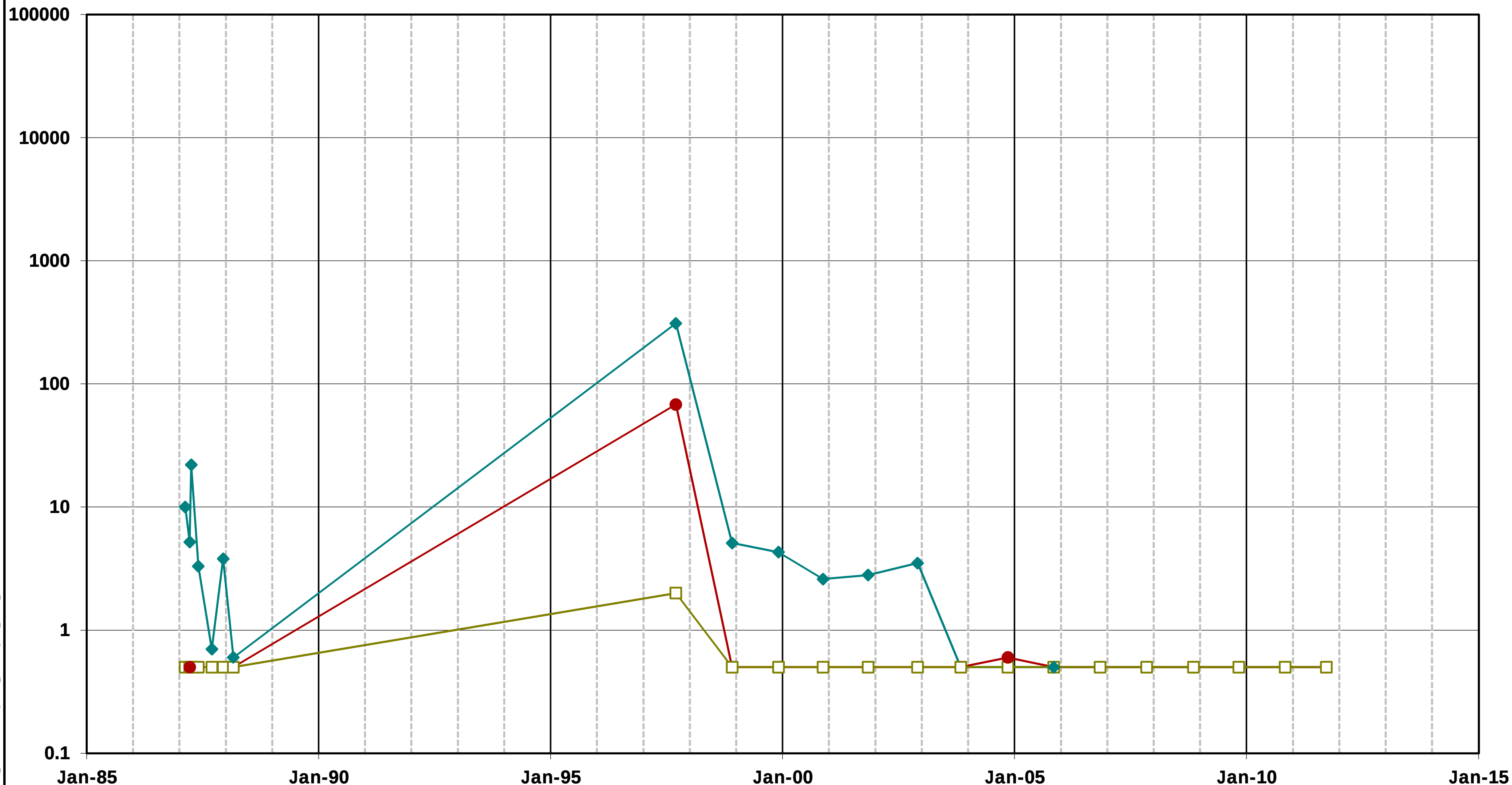
Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 132B2
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure

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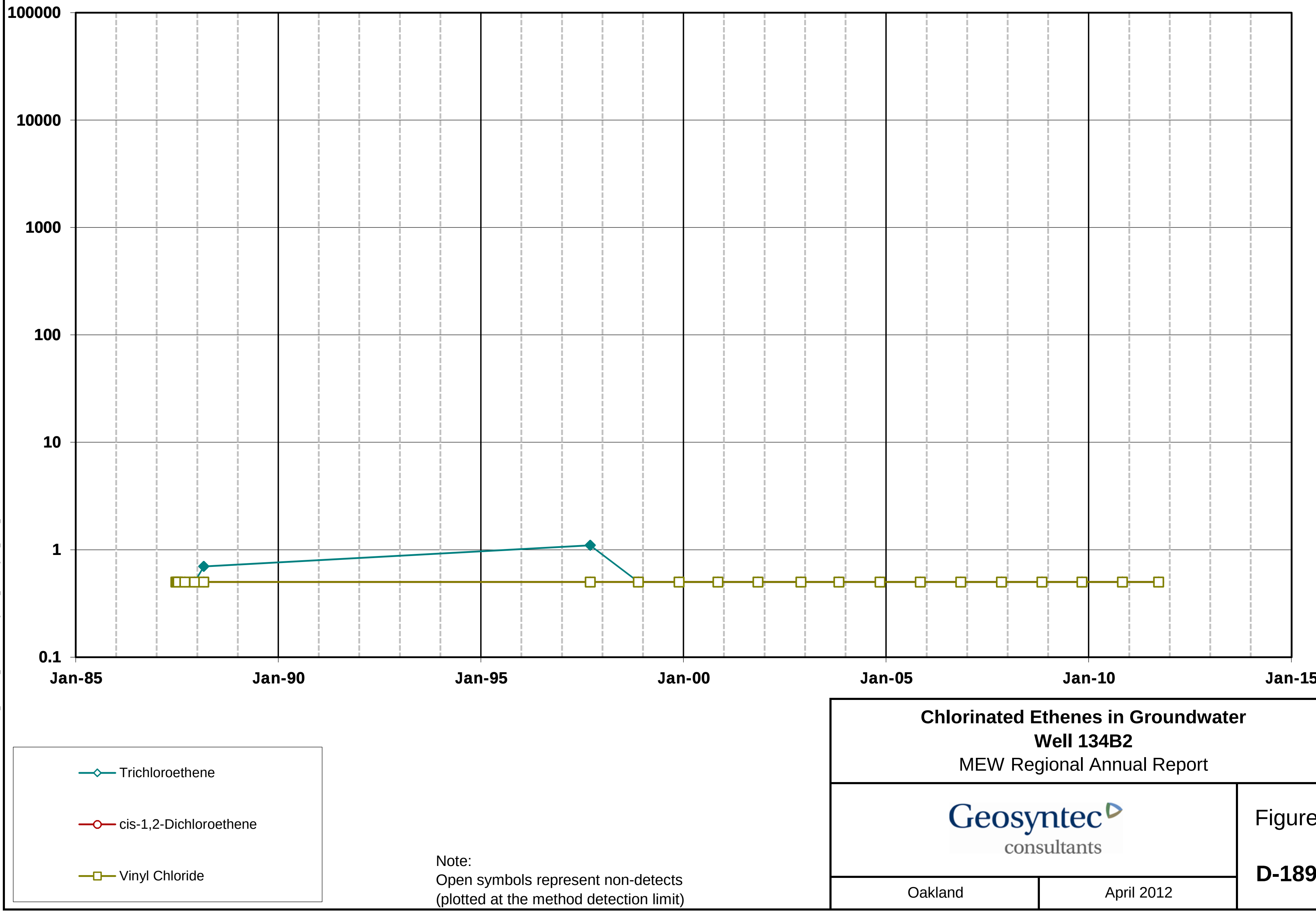
\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[132B2_VOC.xls]Plot_132B2_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

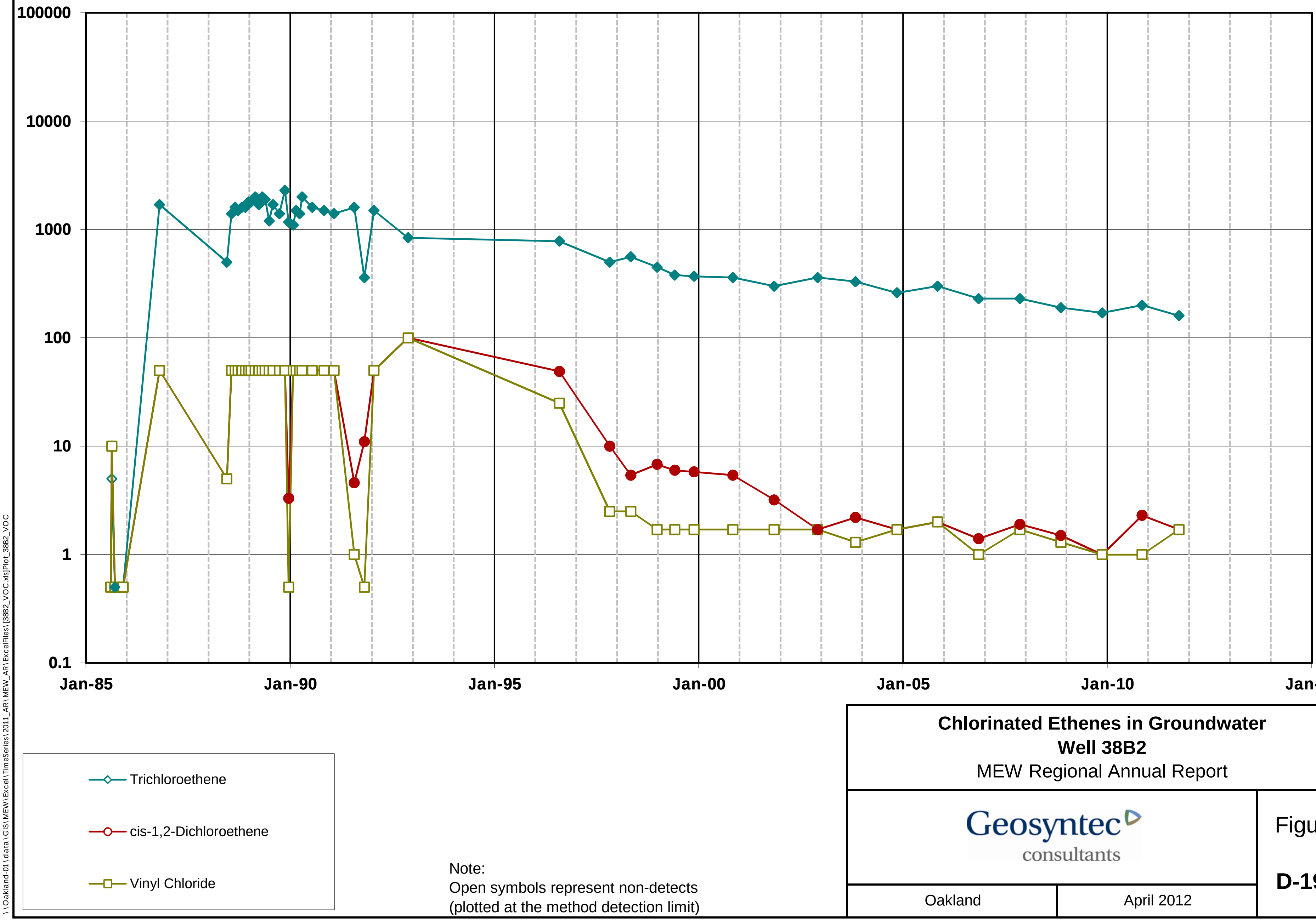
Chlorinated Ethenes in Groundwater
Well 134B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-189**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[134B2_VOC.xls]Plot_134B2_VOC



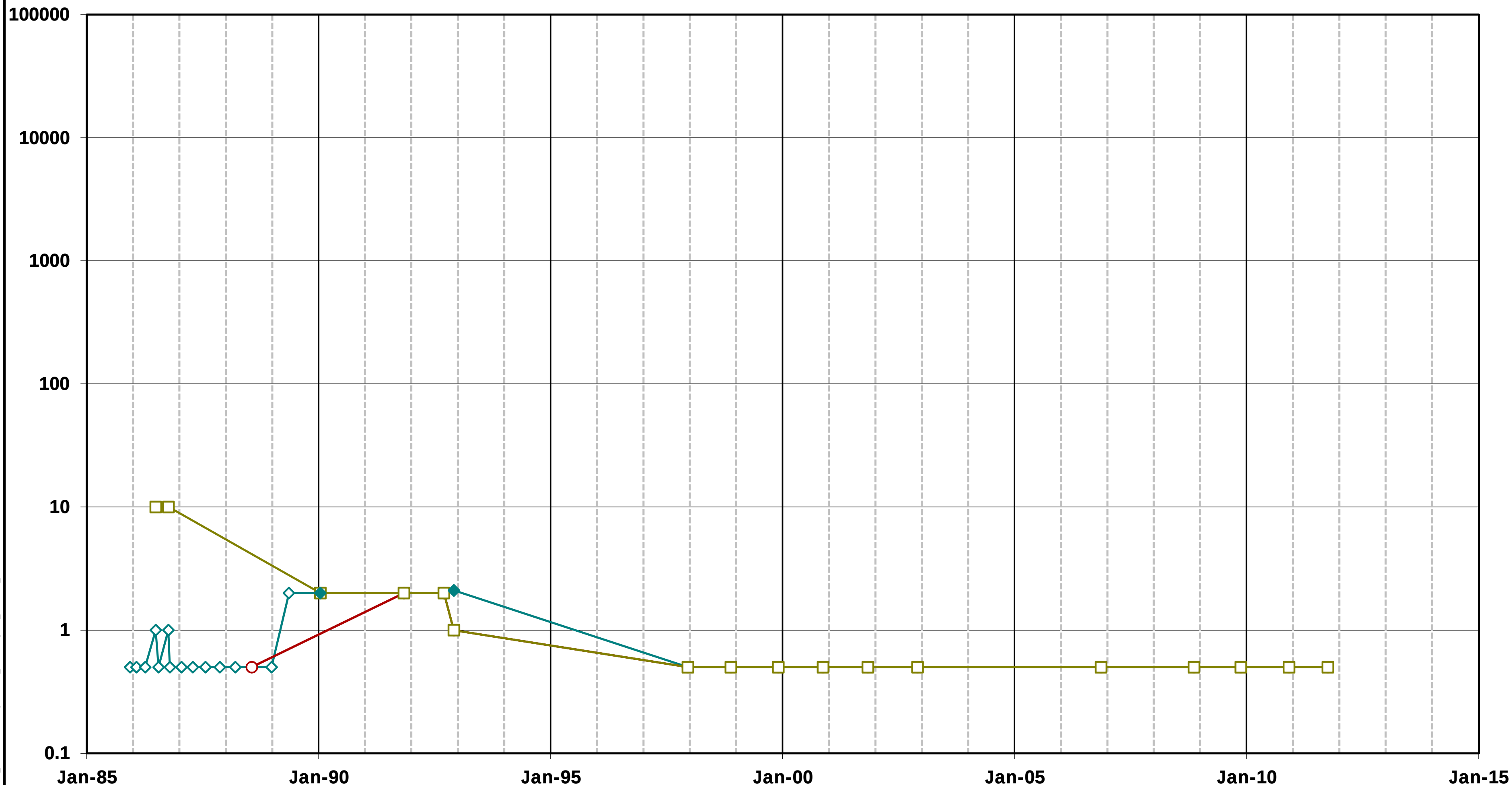
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 38B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-190**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

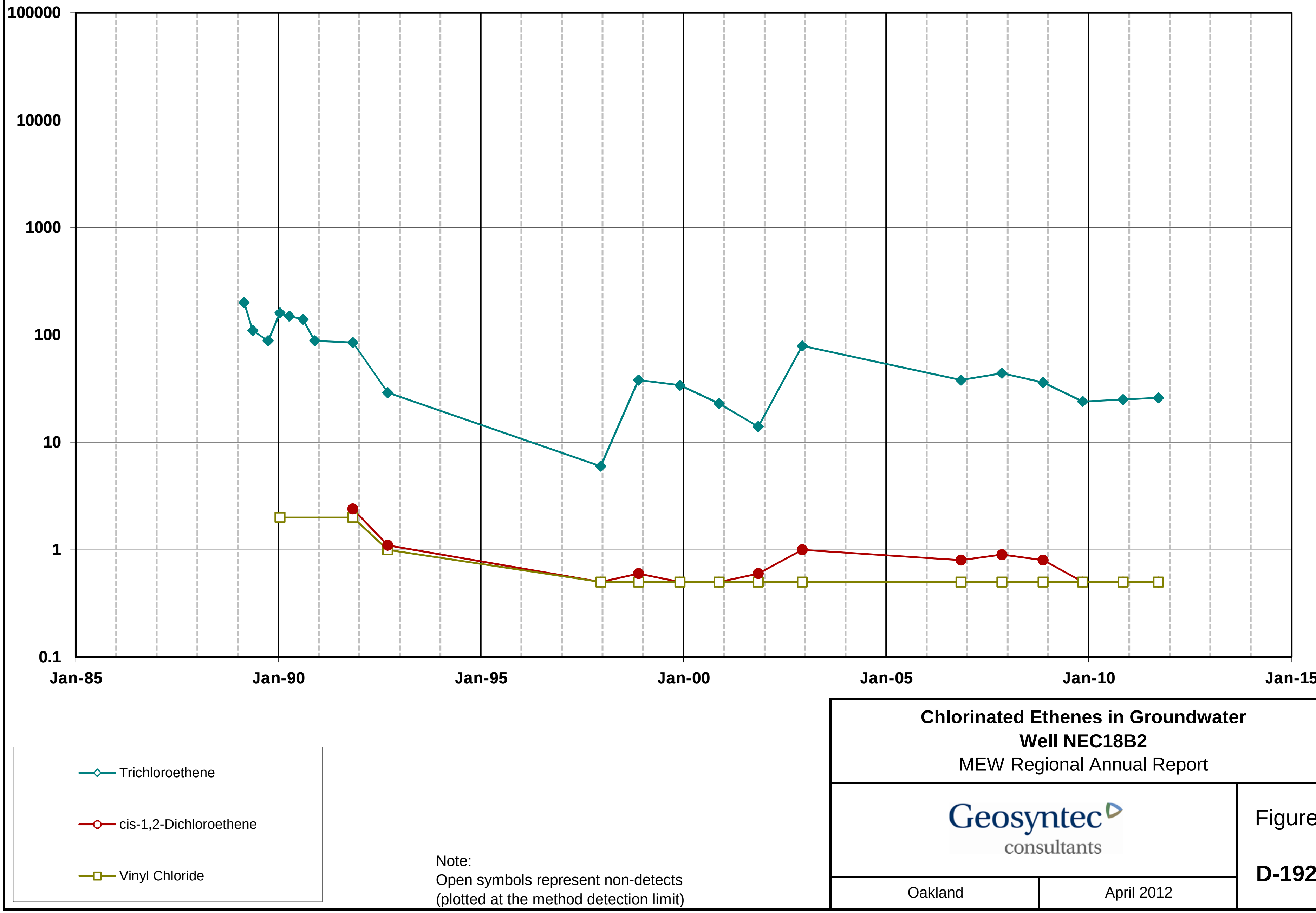
Chlorinated Ethenes in Groundwater
Well NEC8B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-191**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[NEC8B2_VOC.xls]Plot_NEC8B2_VOC



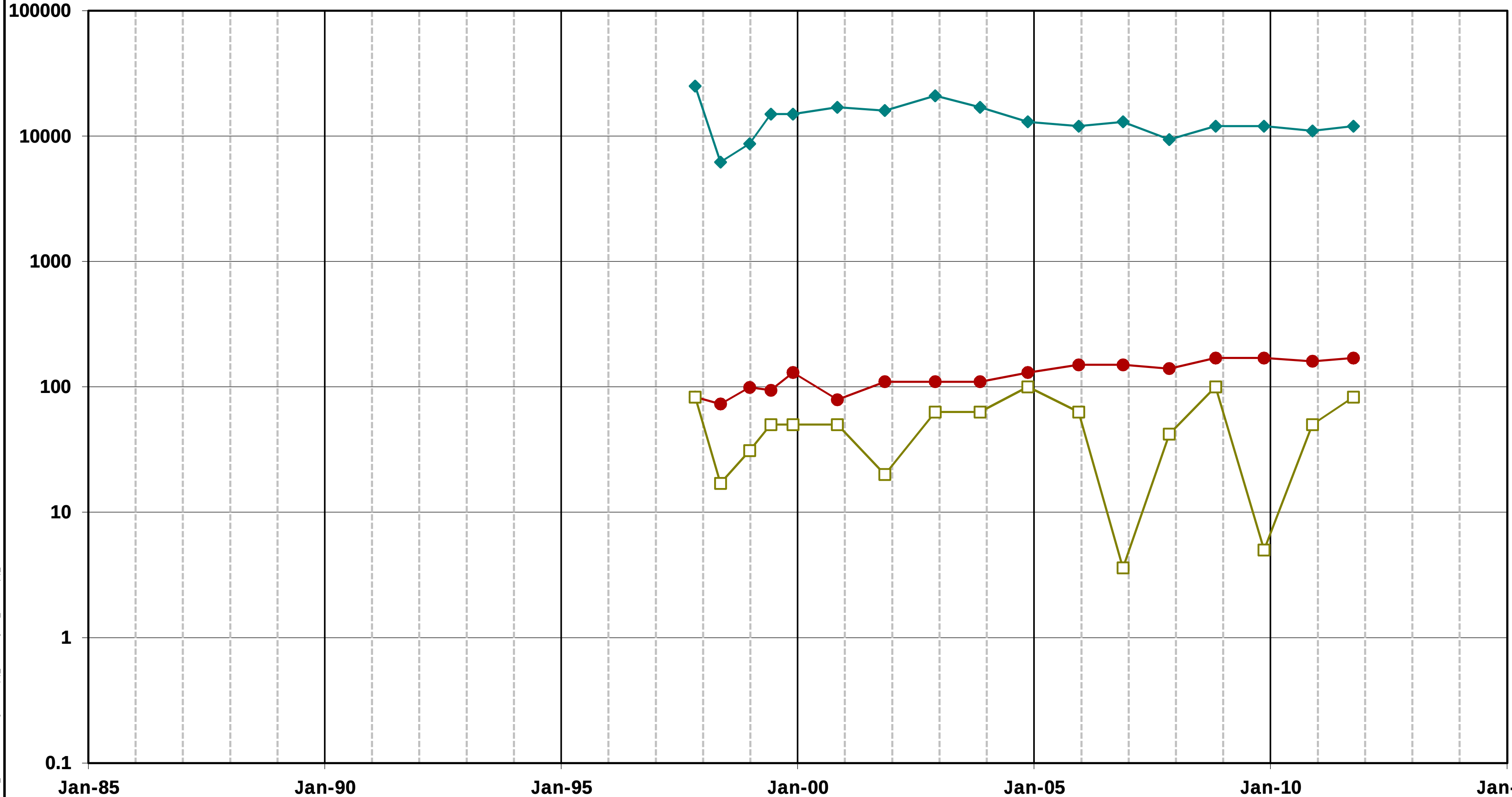
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well NEC18B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-192**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well REG-1B(2)
MEW Regional Annual Report

Geosyntec consultants

Figure

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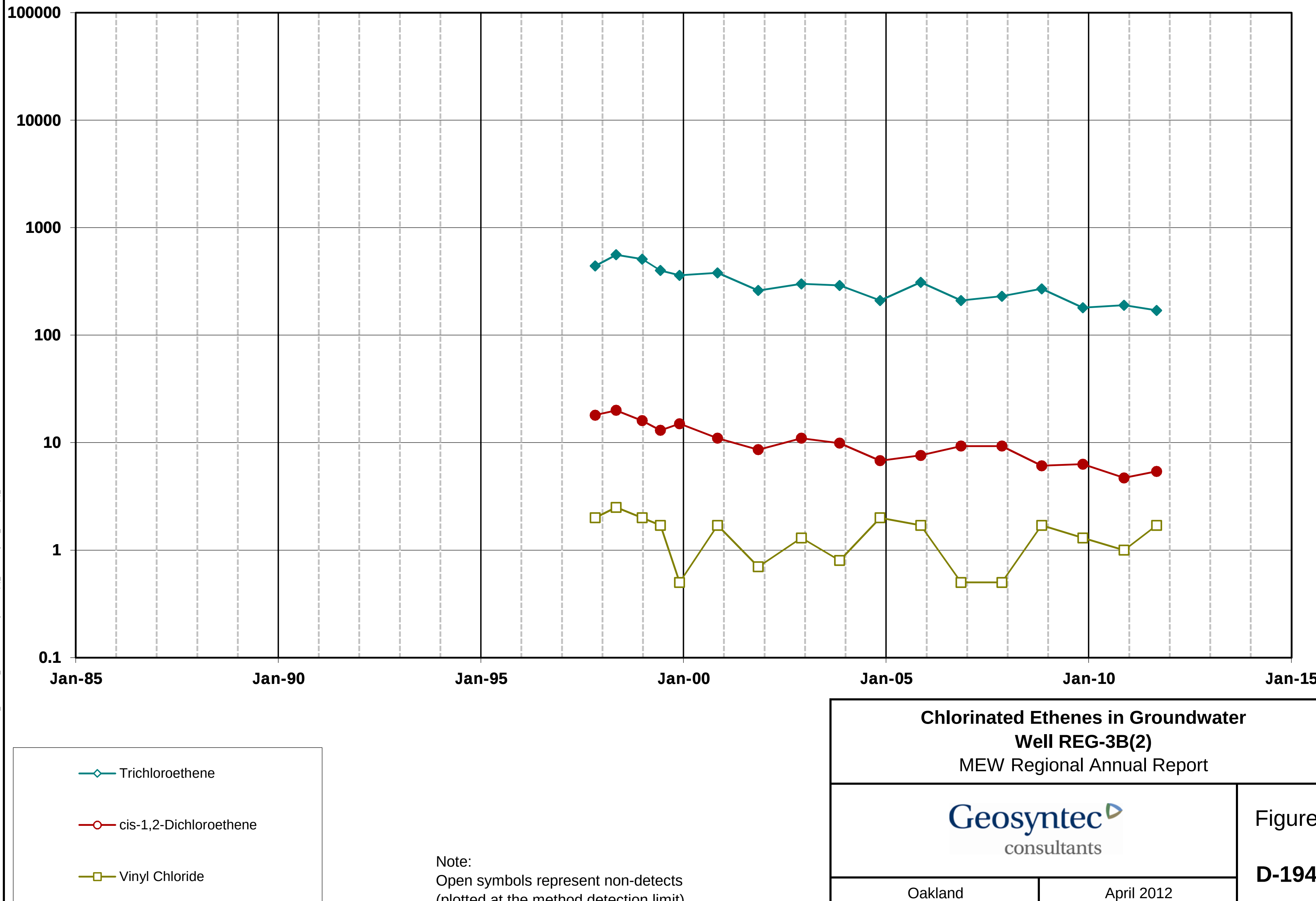
Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-1B(2)_VOC.xls]Plot_REG-1B(2)_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

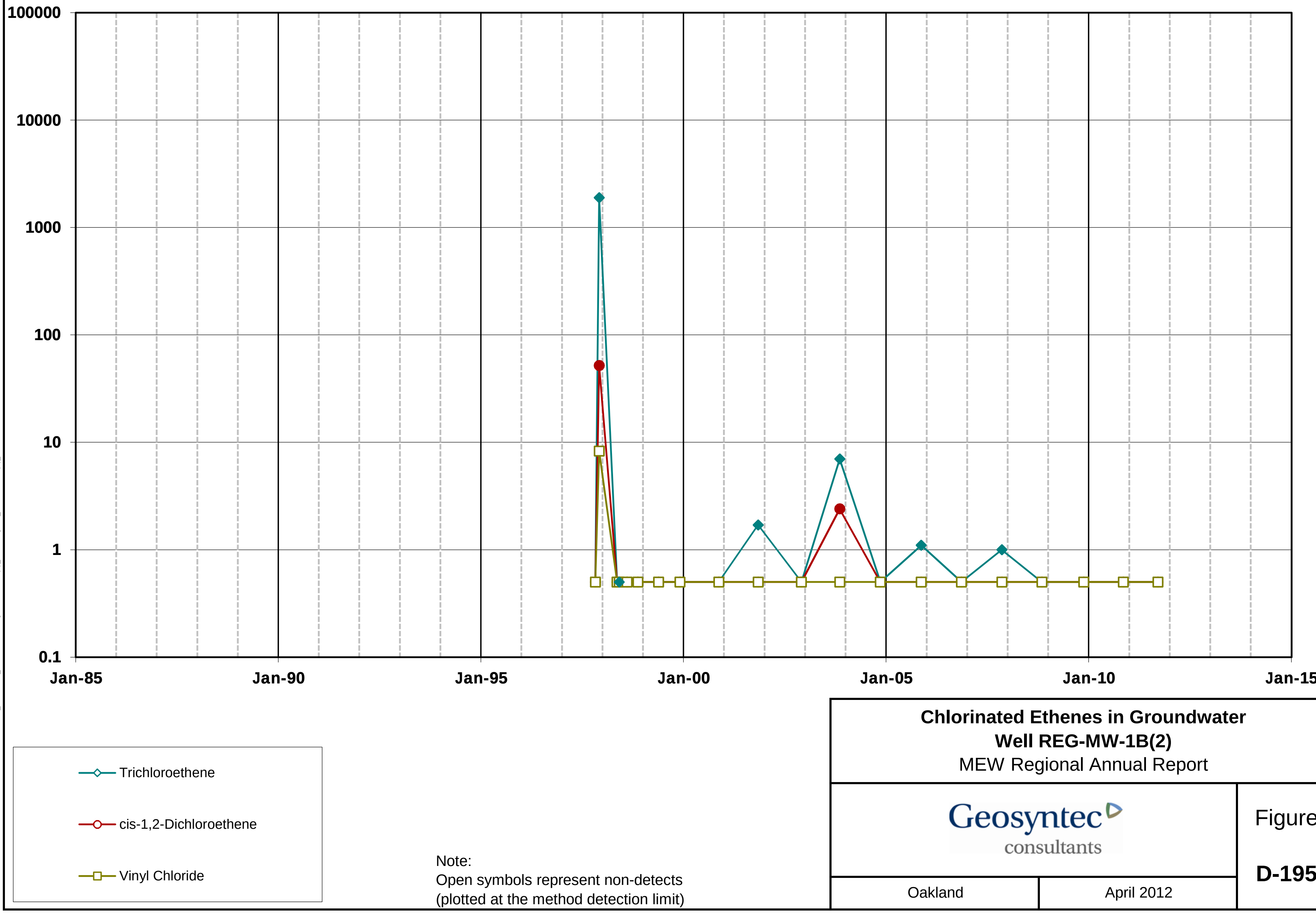
Chlorinated Ethenes in Groundwater
Well REG-3B(2)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-194**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-3B(2)_VOC.xls]Plot_REG-3B(2)_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

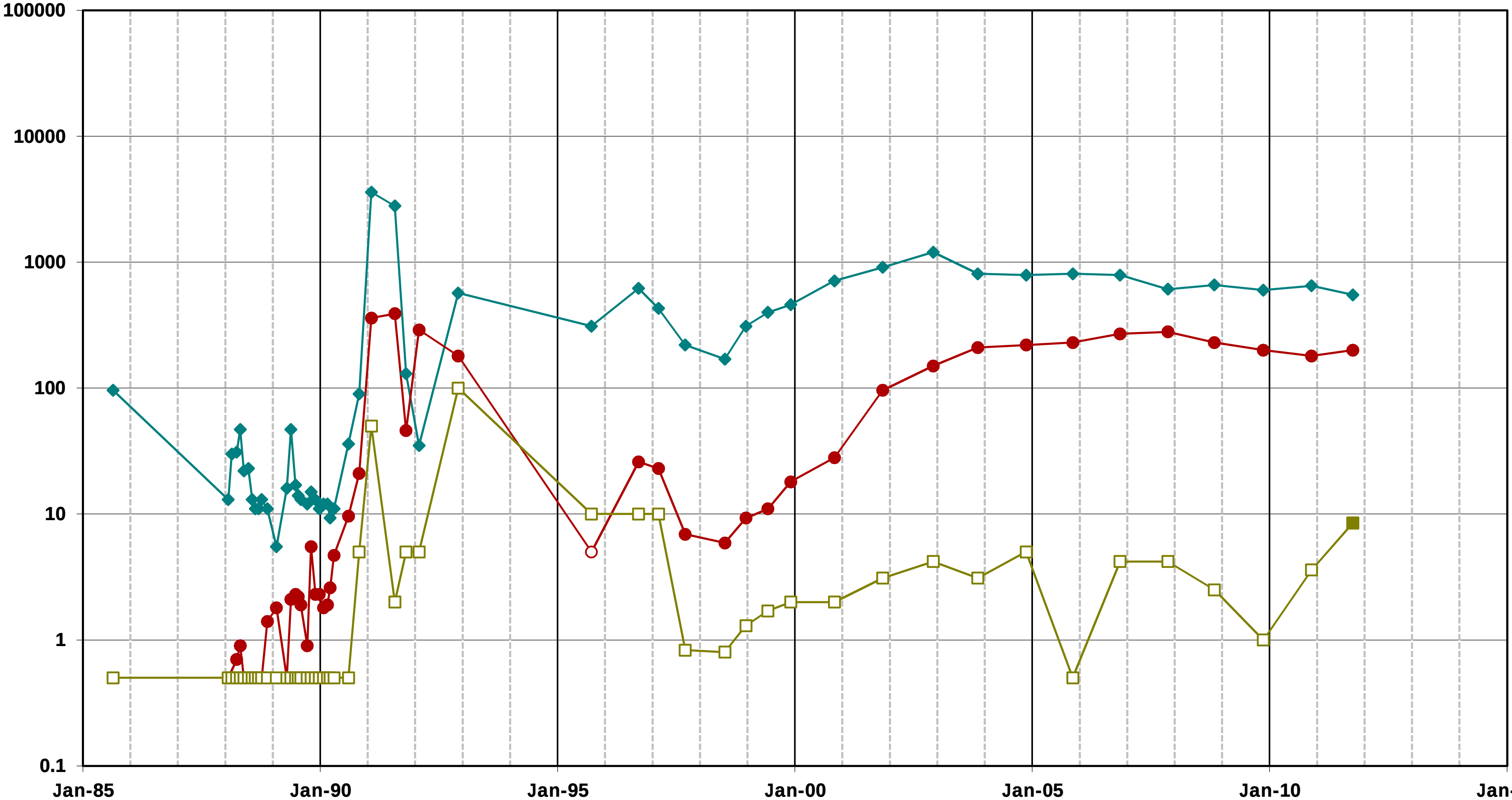
Chlorinated Ethenes in Groundwater
Well REG-MW-1B(2)
MEW Regional Annual Report

Geosyntec consultants

Figure **D-195**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[REG-MW-1B(2)_VOC.xls]Plot_REG-MW-1B(2)_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well RW-9(B2)
MEW Regional Annual Report

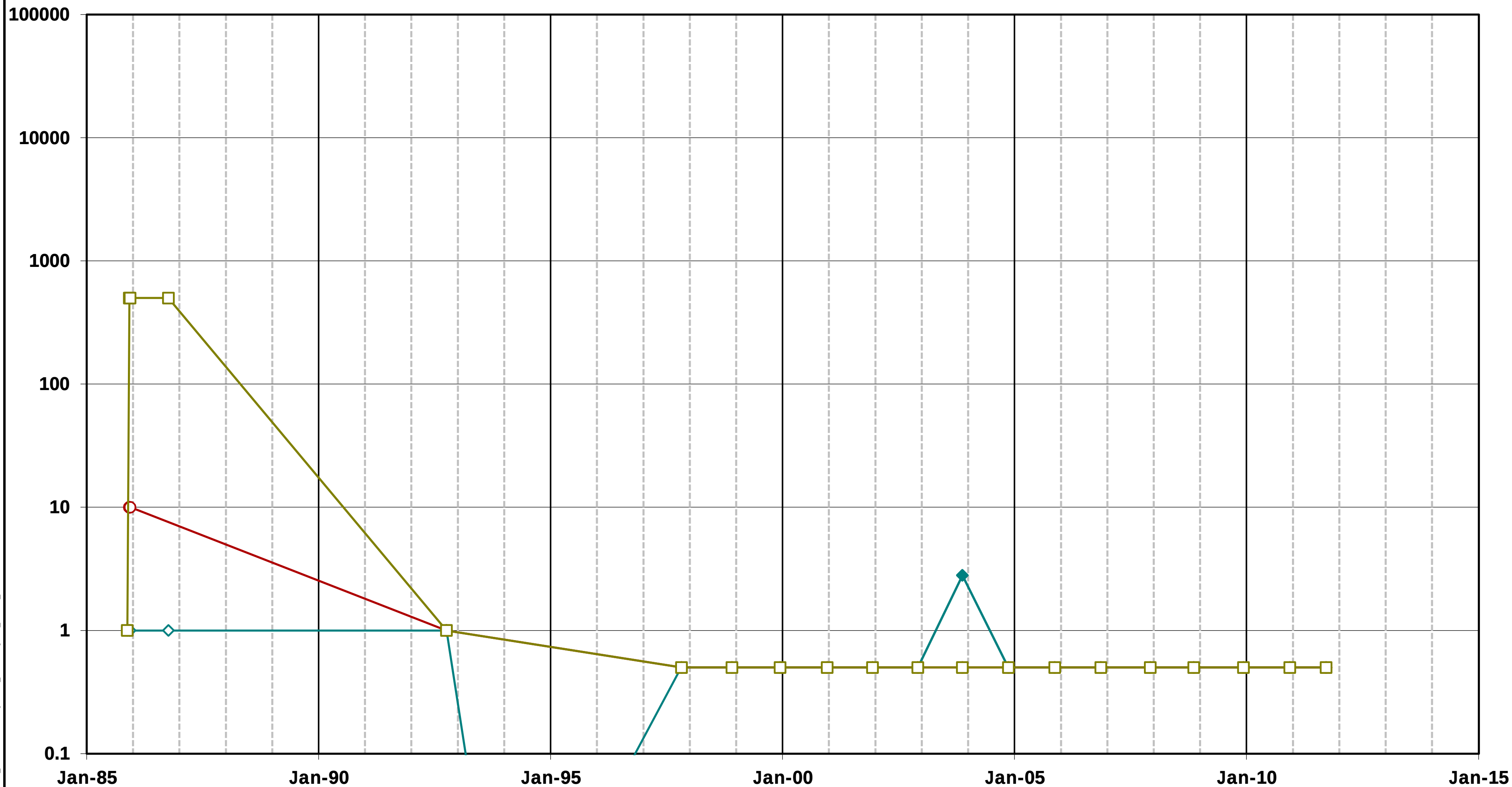
Geosyntec consultants

Figure

D-196

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RW-9(B2)_VOC.xls]Plot_RW-9(B2)_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

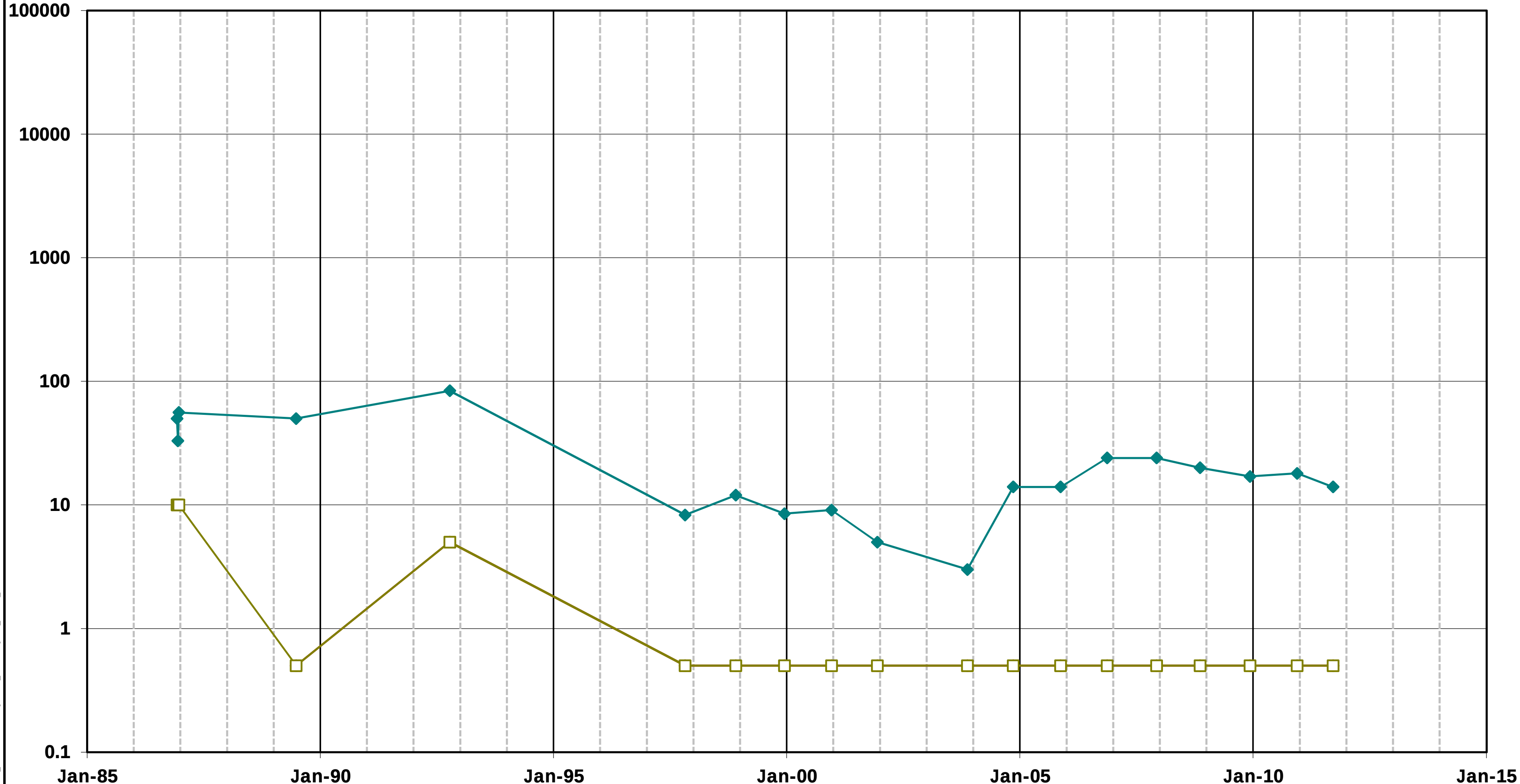
Chlorinated Ethenes in Groundwater
Well R13B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-197**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R13B2_VOC.xls]Plot_R13B2_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

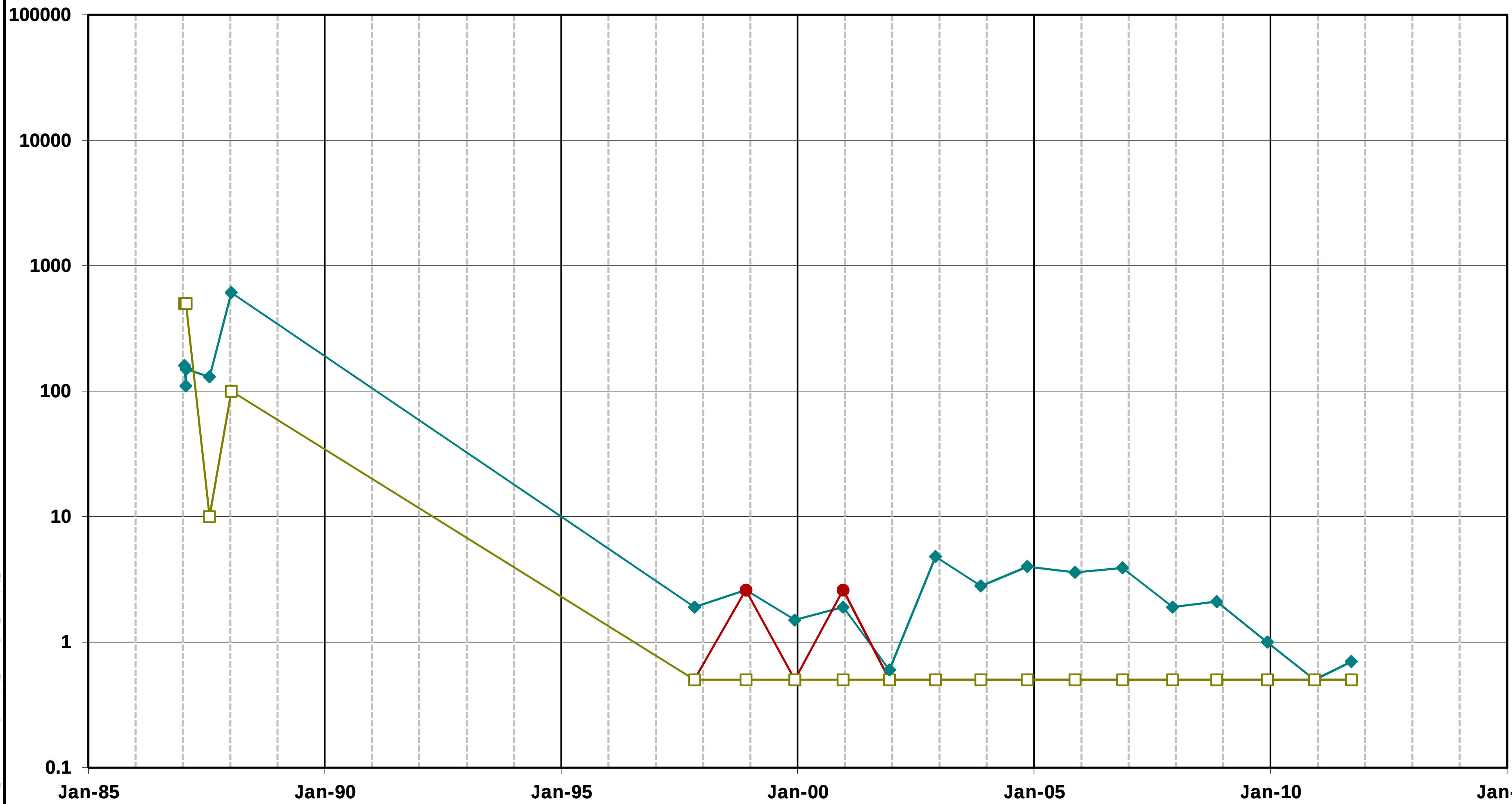
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R30B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-198**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

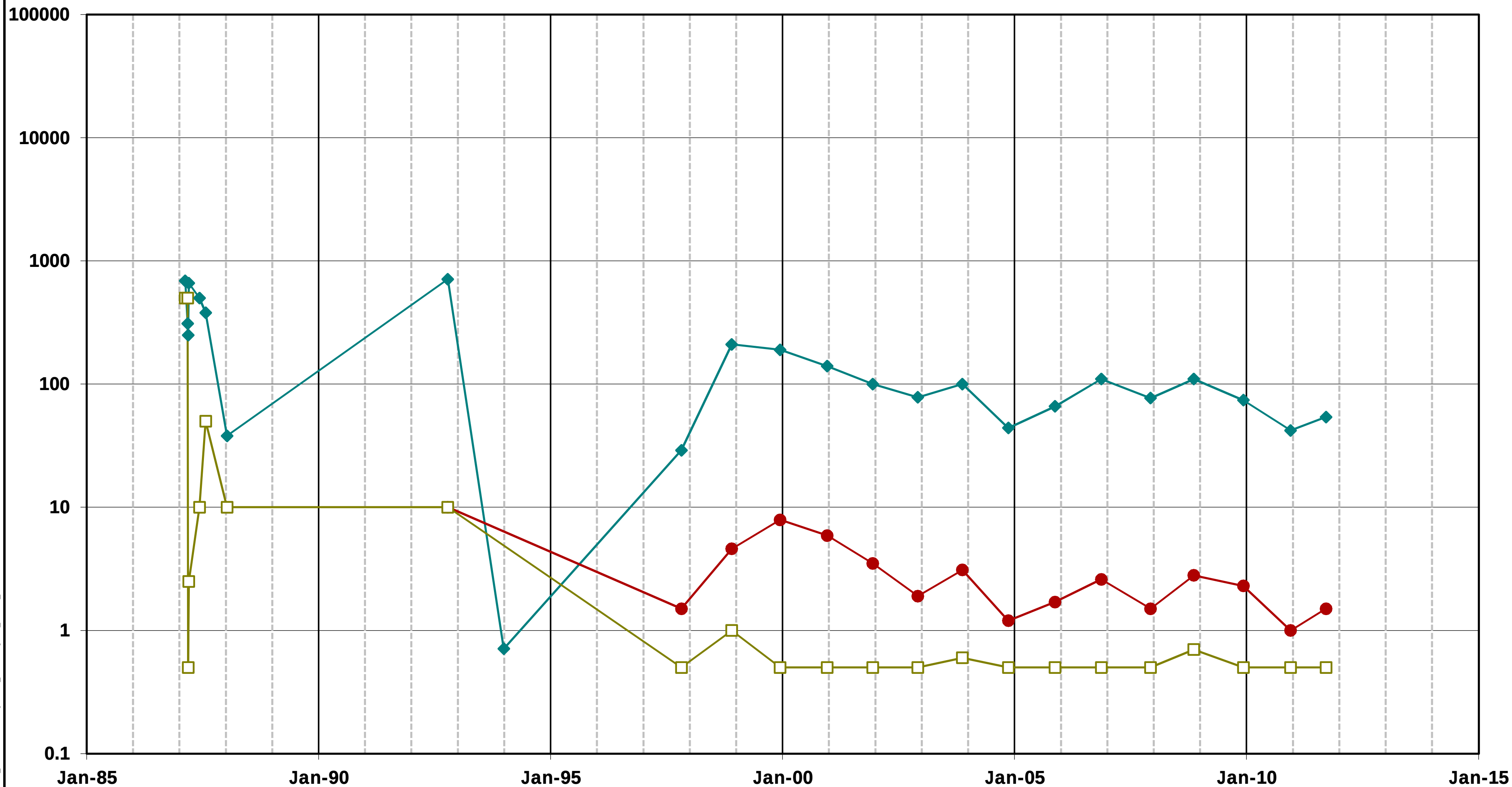
Chlorinated Ethenes in Groundwater
Well R40B1(B2)
MEW Regional Annual Report

Geosyntec consultants

Figure
D-199

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R40B1(B2)_VOC.xls]Plot_R40B1(B2)_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R41B2
MEW Regional Annual Report

Geosyntec consultants

Figure

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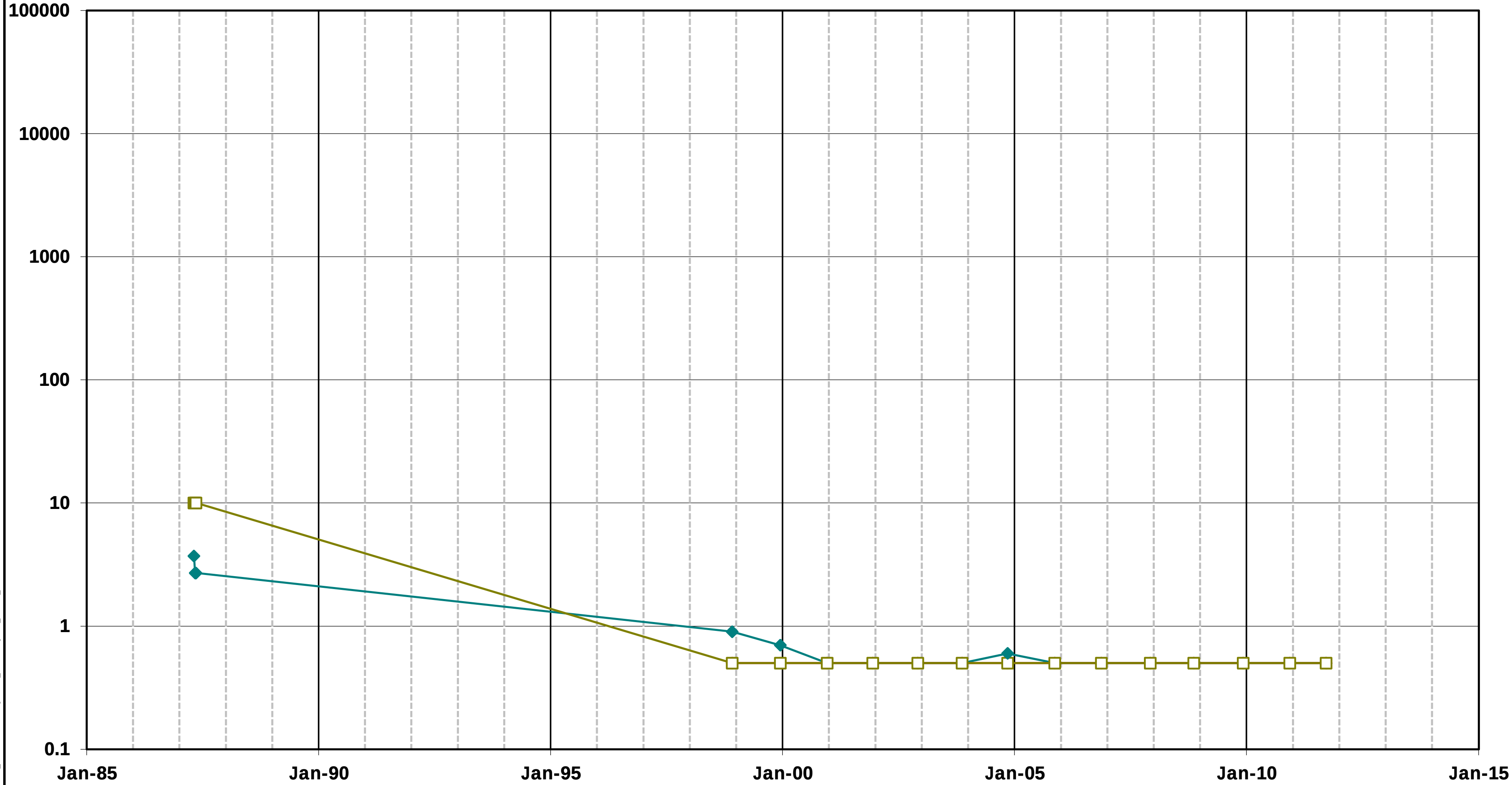
Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R41B2_VOC.xls]Plot_R41B2_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

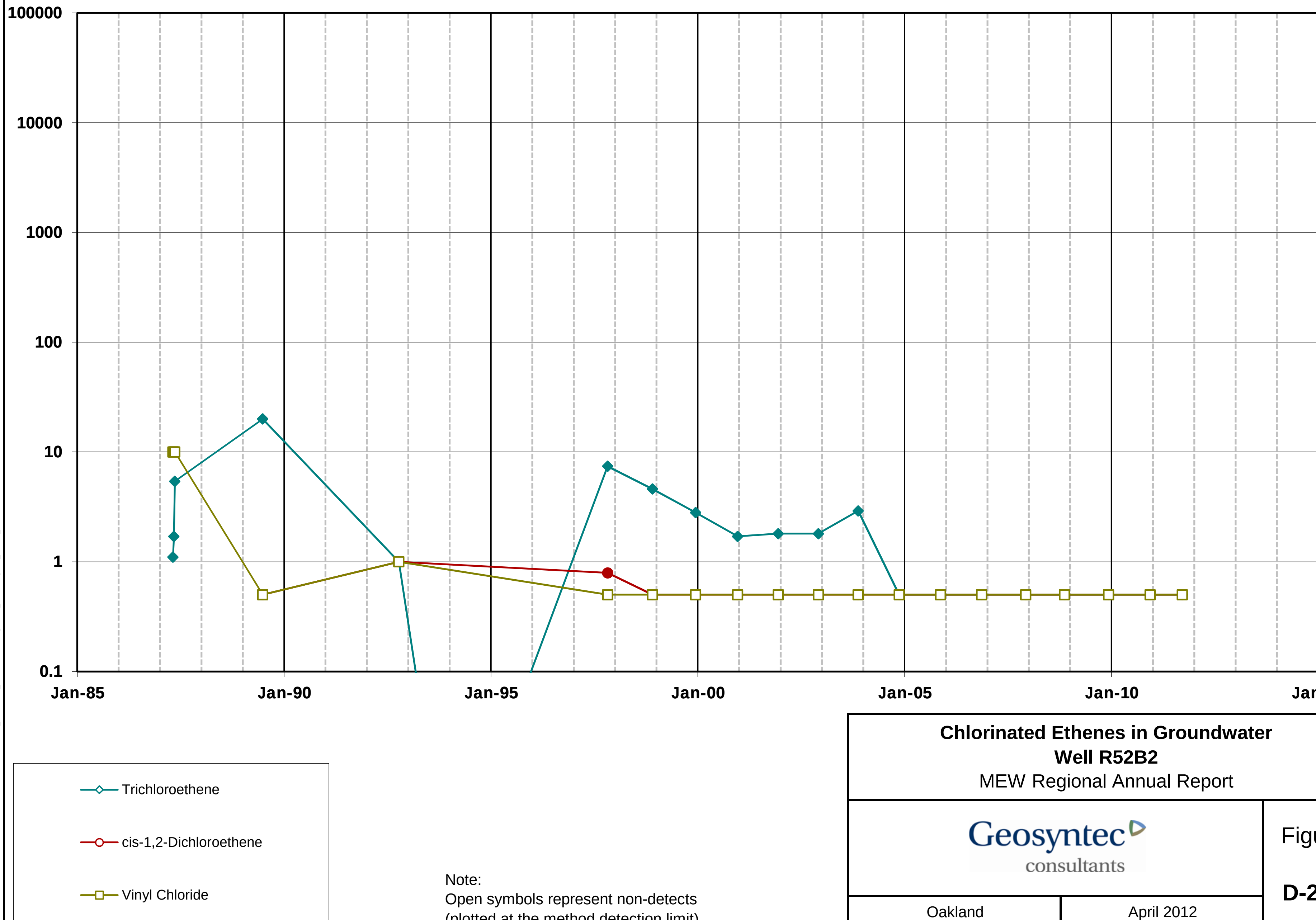
Chlorinated Ethenes in Groundwater
Well R50B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-201**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R50B2_VOC.xls]Plot_R50B2_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

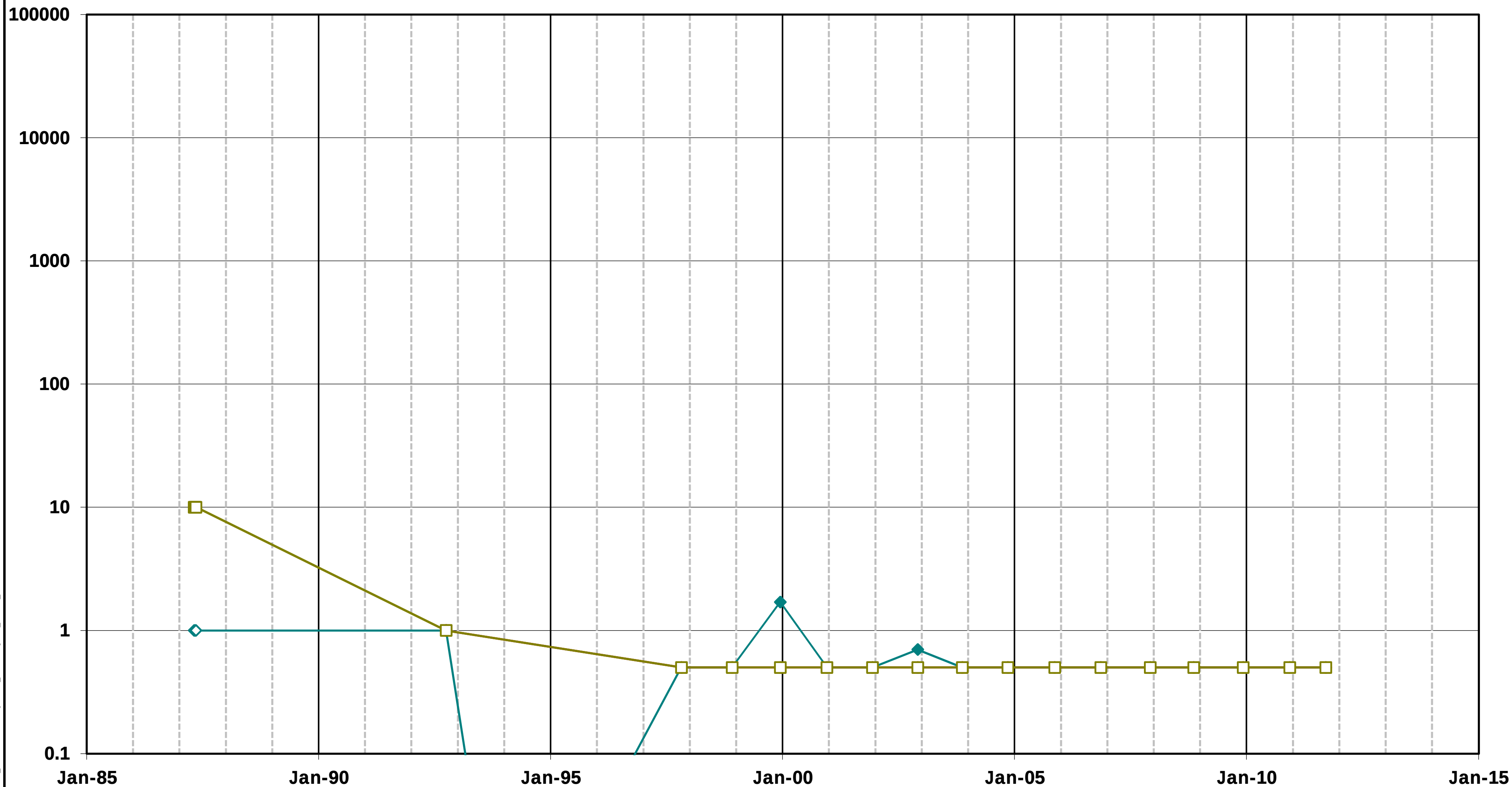
Chlorinated Ethenes in Groundwater
Well R52B2
MEW Regional Annual Report

Geosyntec consultants

Figure **D-202**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R52B2_VOC.xls]Plot_R52B2_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

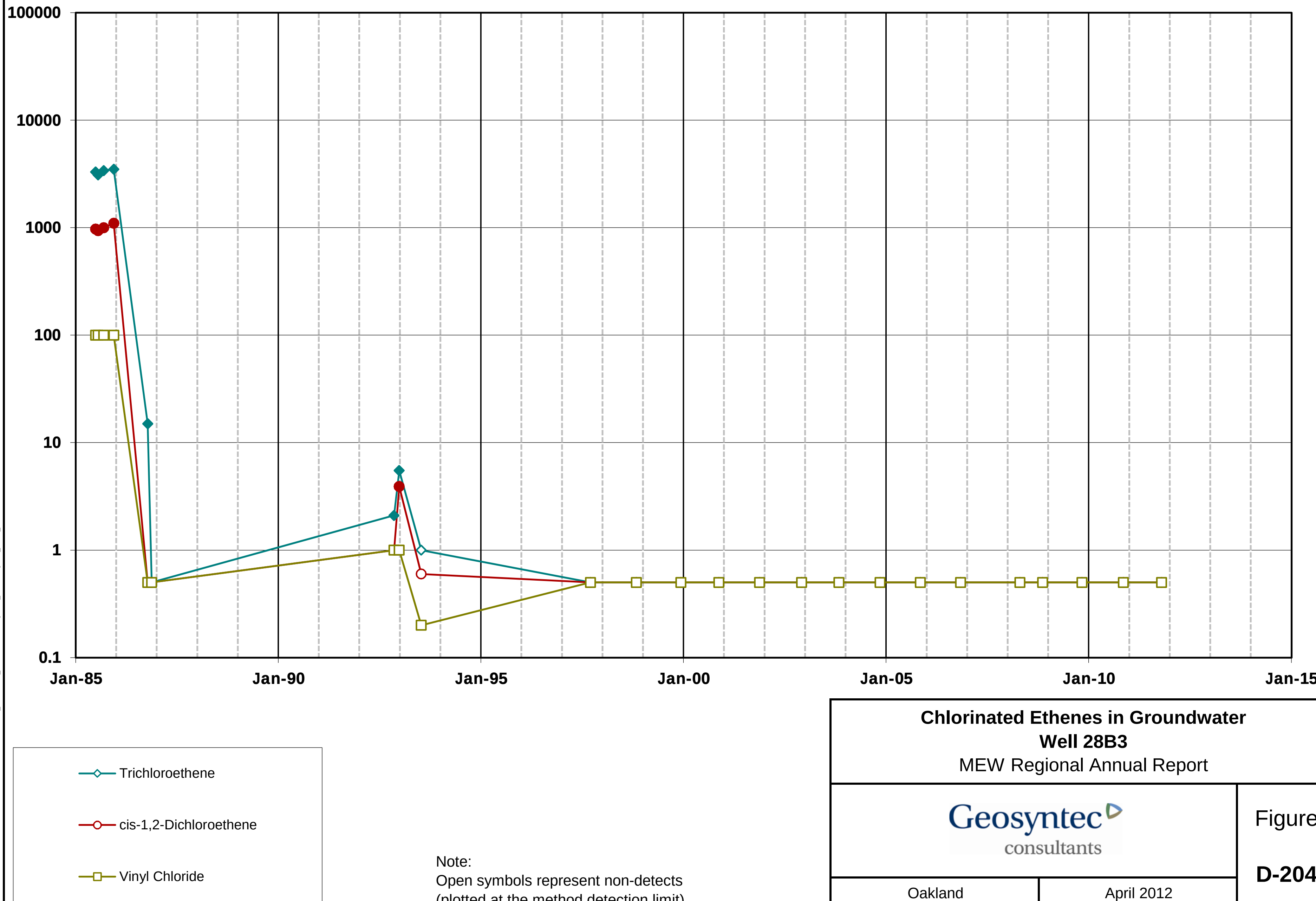
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R55B2
MEW Regional Annual Report

Geosyntec consultants

Figure
D-203

Oakland	April 2012



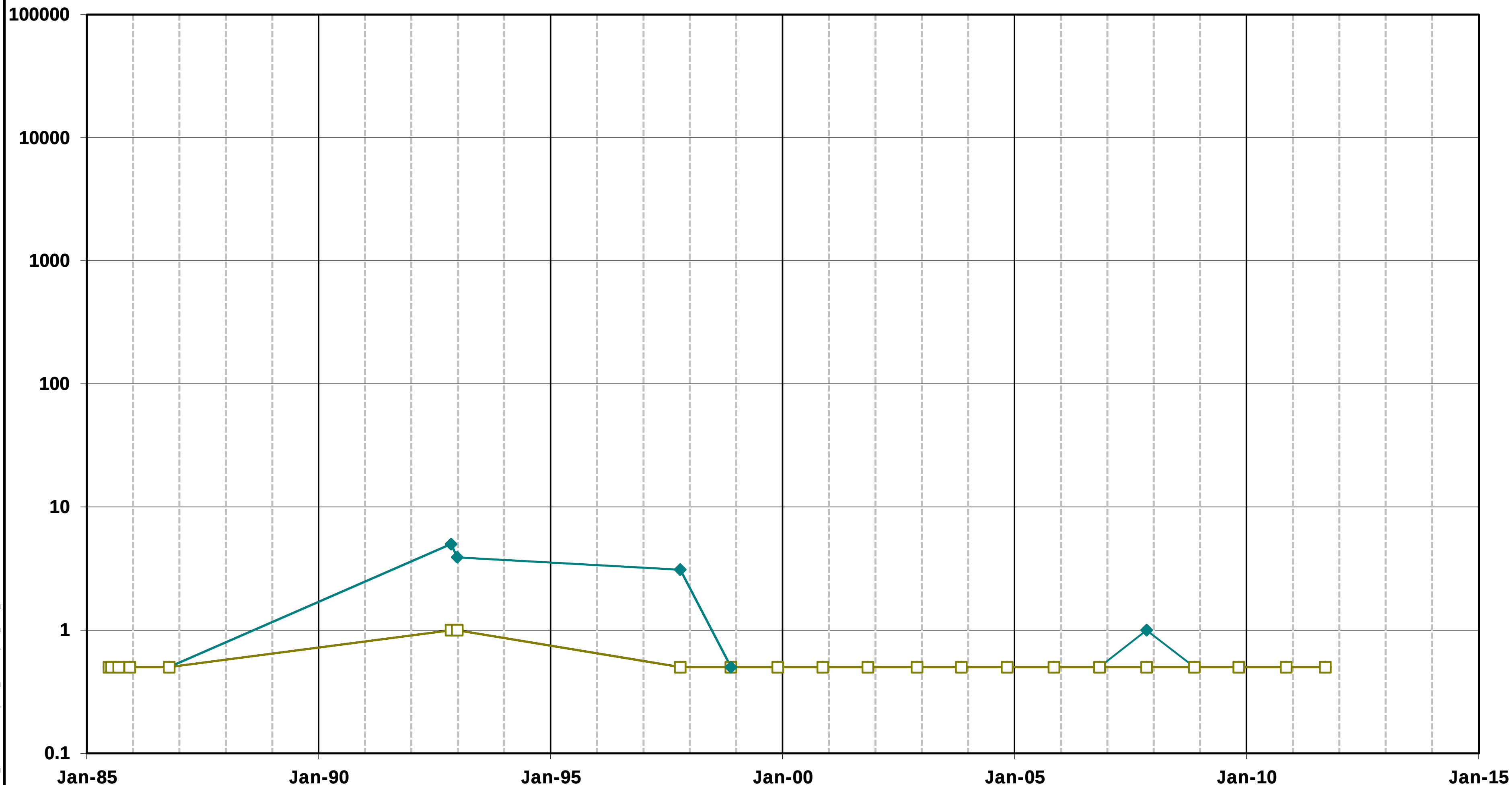
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 28B3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-204**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

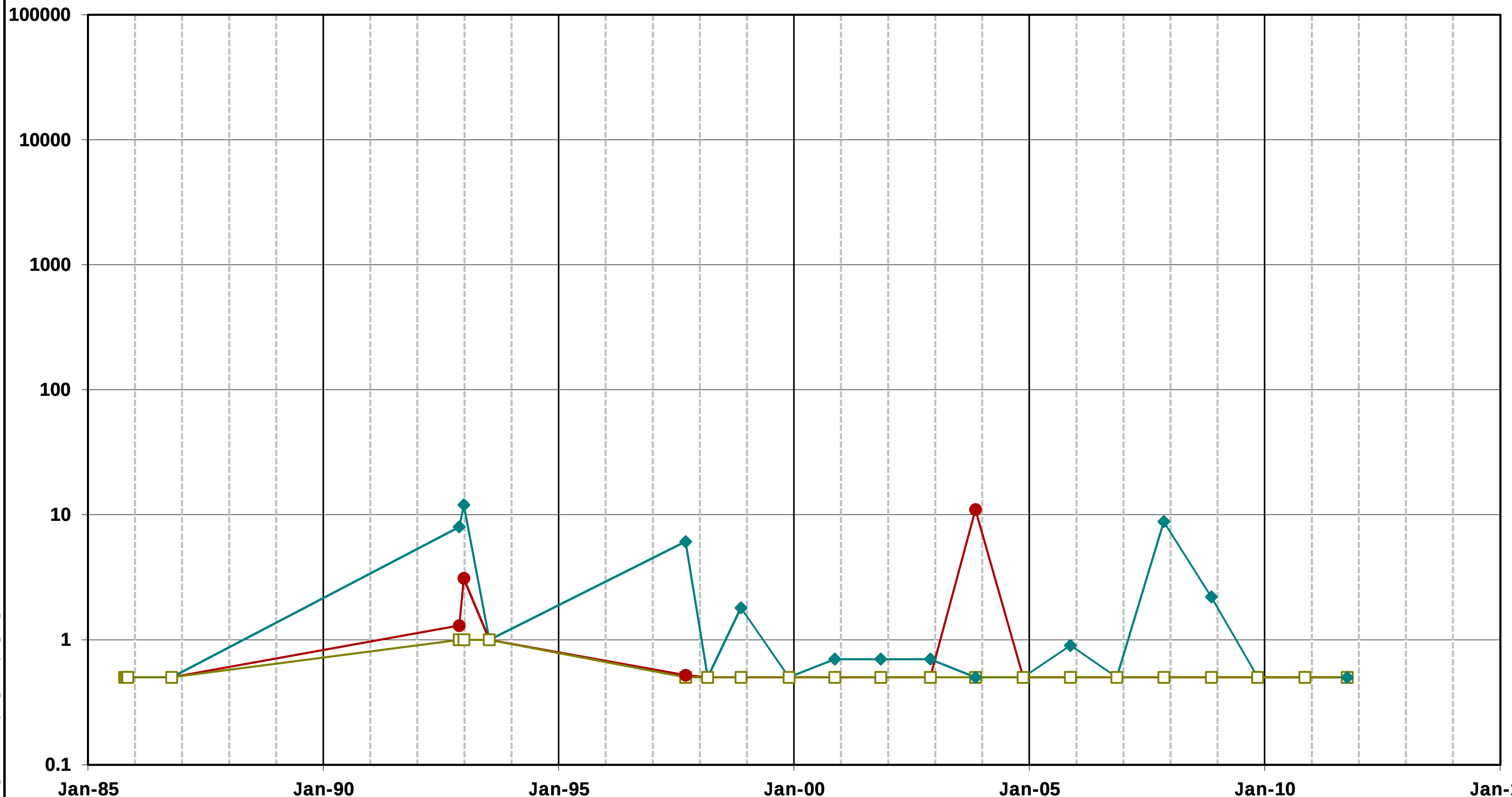
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 30B3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-205**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

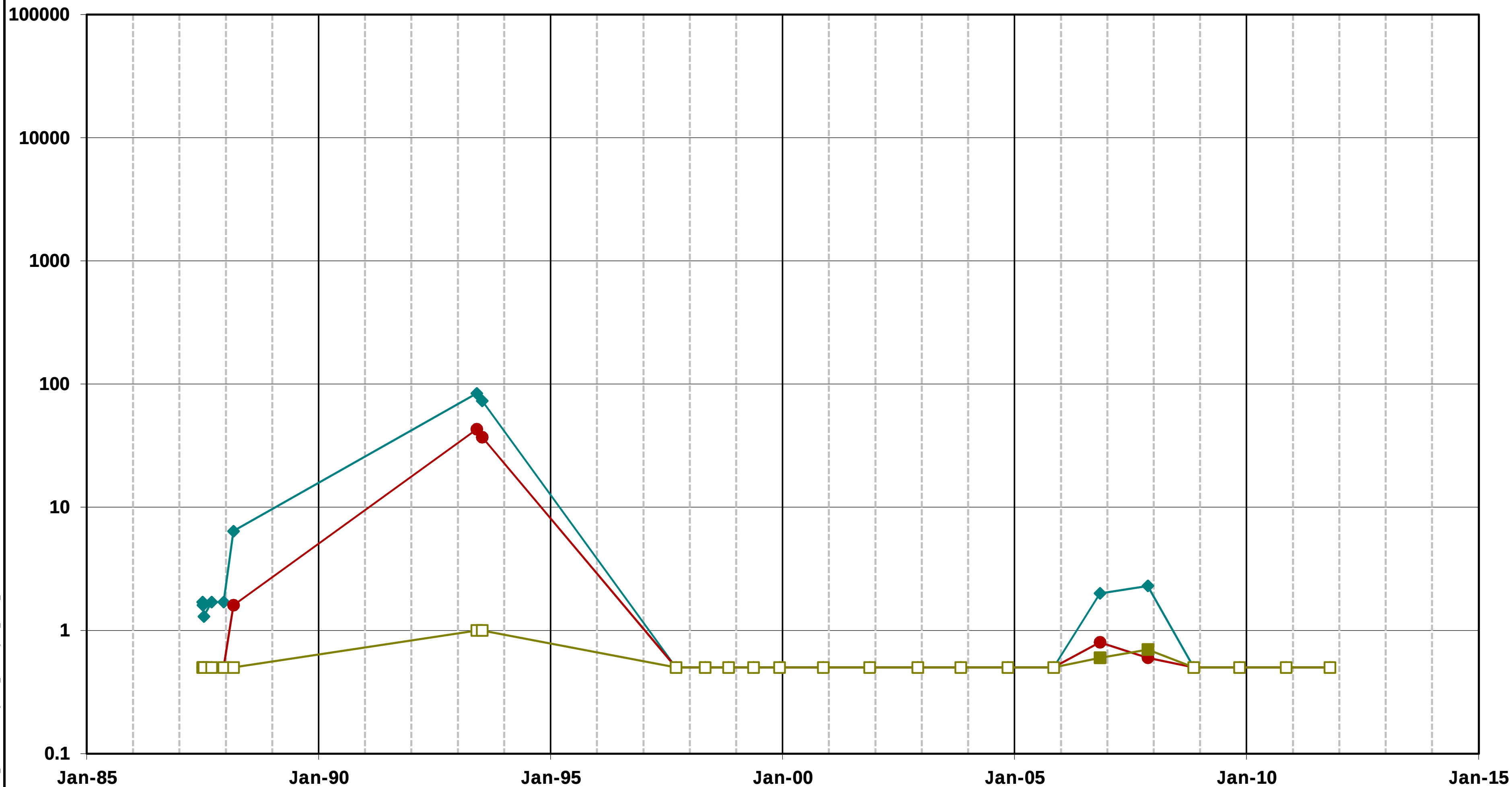
Chlorinated Ethenes in Groundwater
Well 44B3
MEW Regional Annual Report

Geosyntec consultants

Figure
D-206

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[44B3_VOC.xls]Plot_44B3_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

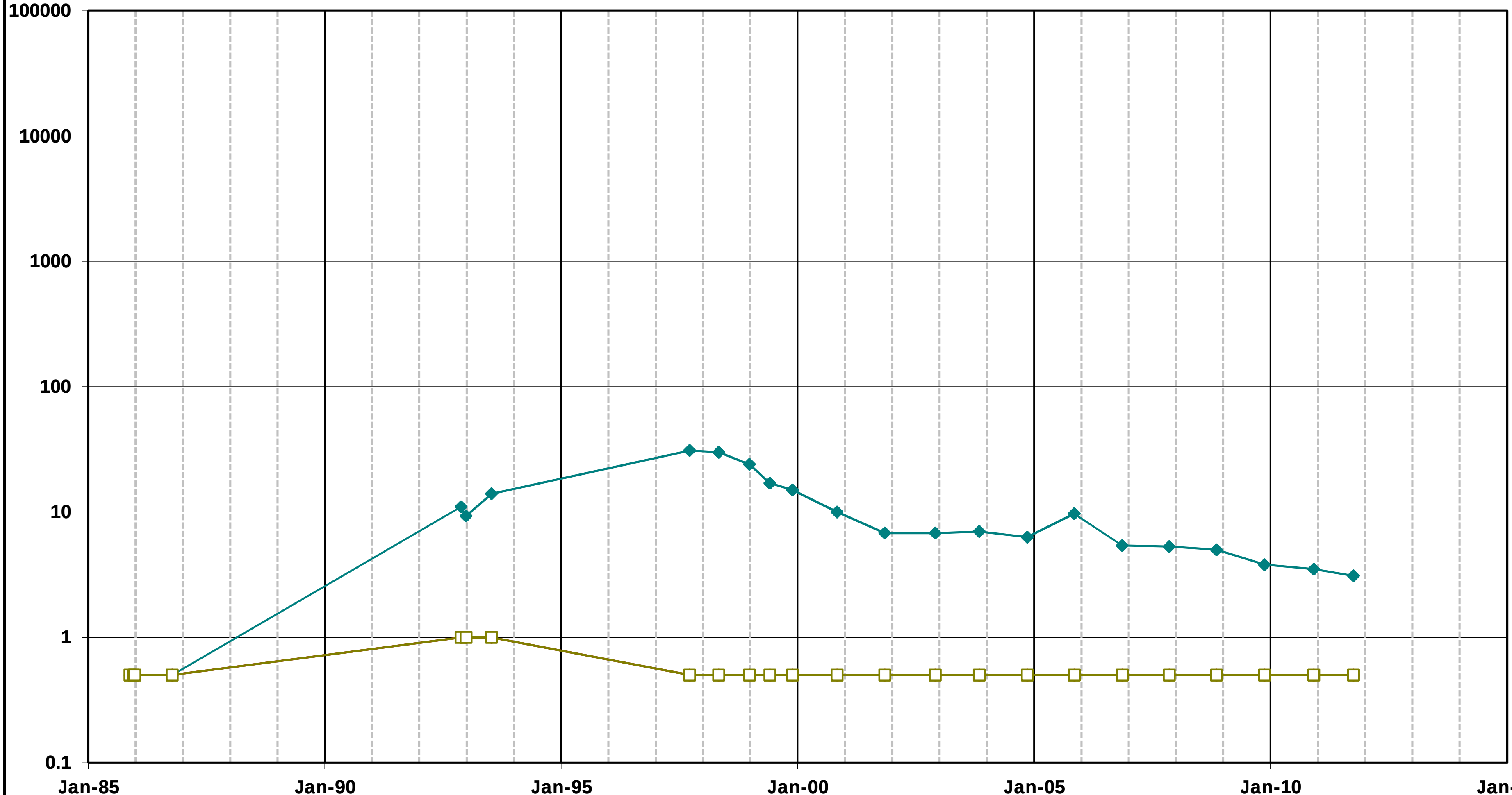
Chlorinated Ethenes in Groundwater
Well 133B3
MEW Regional Annual Report

Geosyntec consultants

Figure
D-207

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[133B3_VOC.xls]Plot_133B3_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

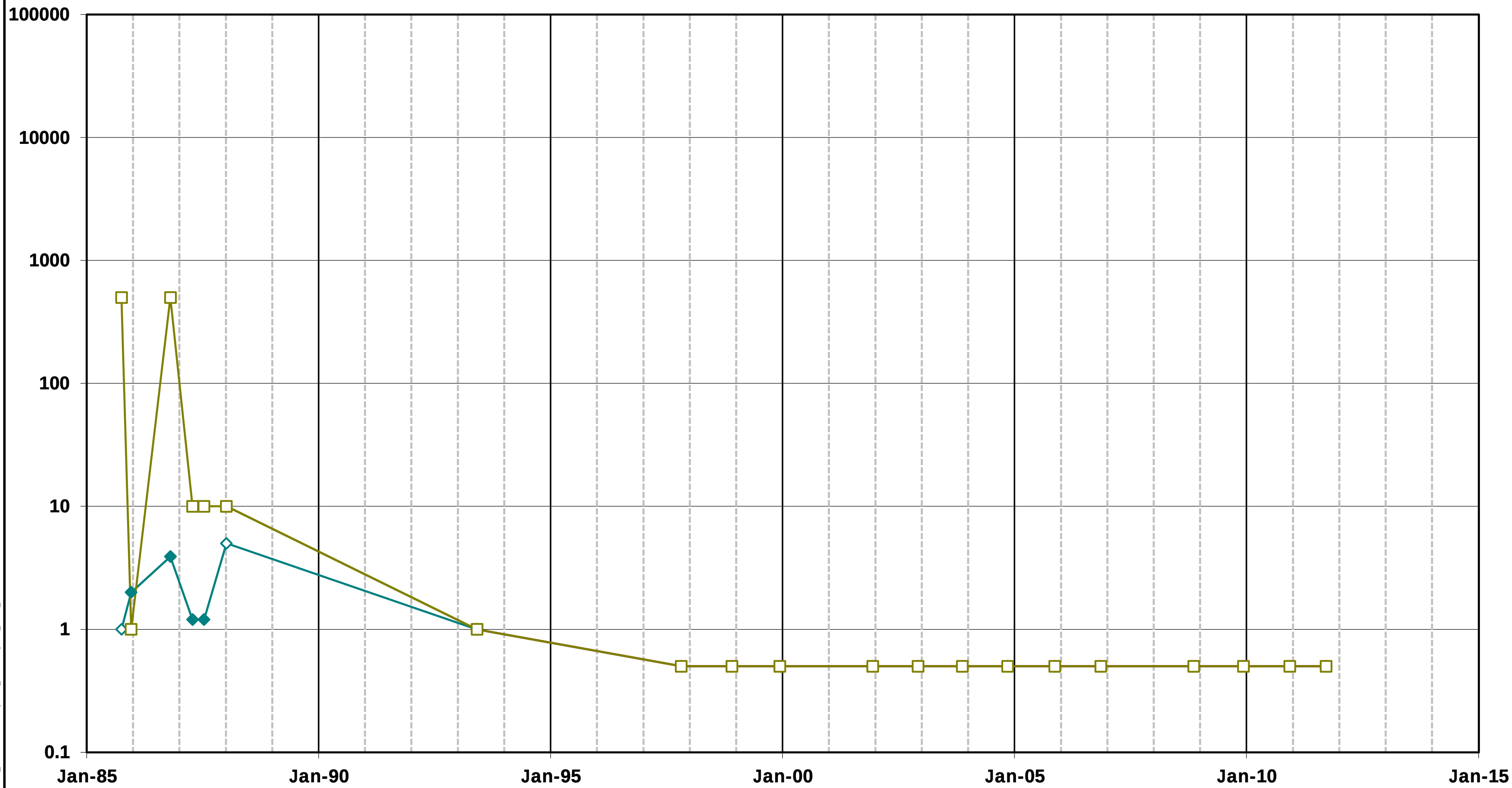
Chlorinated Ethenes in Groundwater
Well 65B3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-208**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[65B3_VOC.xls]Plot_65B3_VOC



Trichloroethene
cis-1,2-Dichloroethene
Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

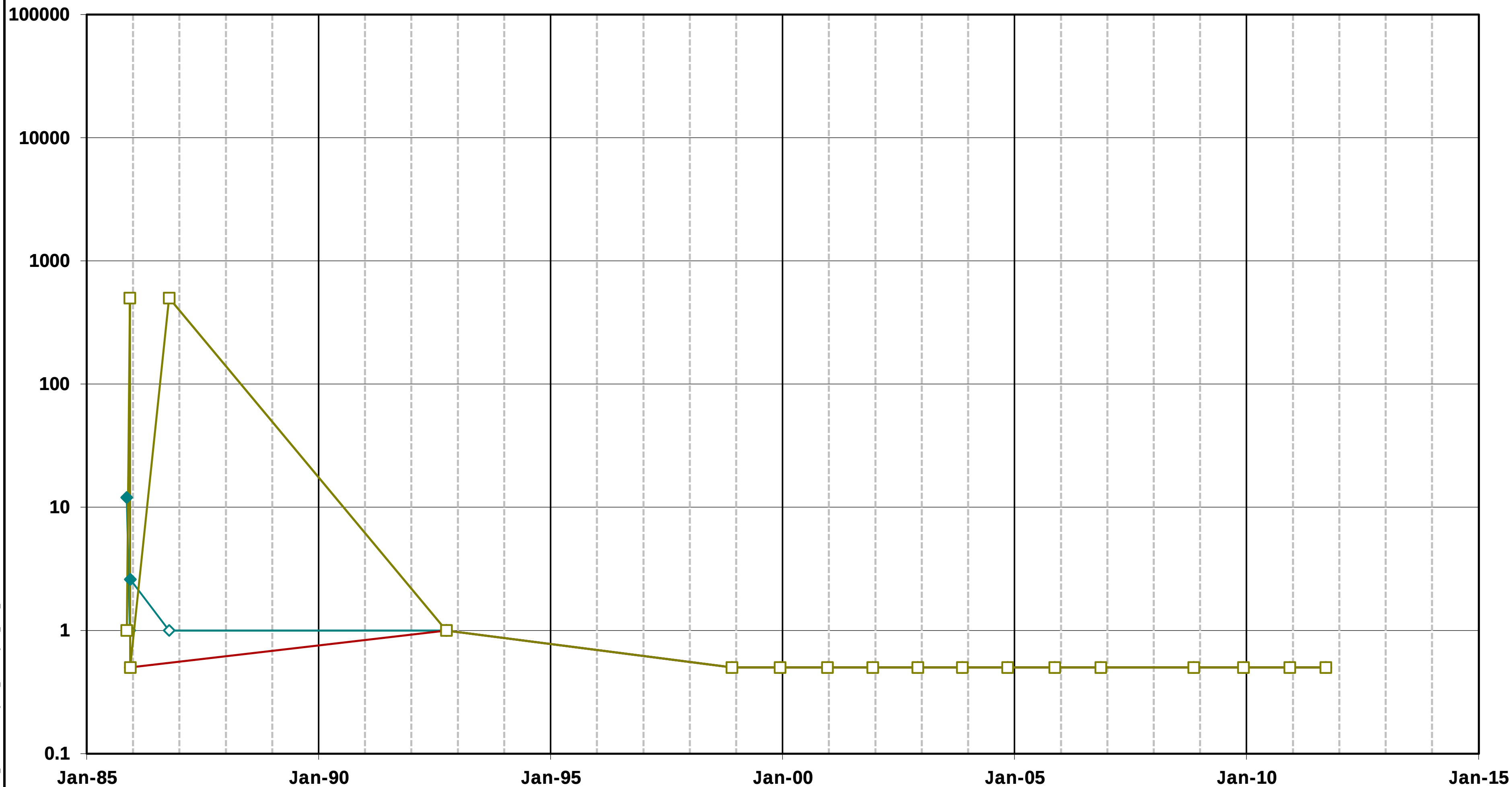
Chlorinated Ethenes in Groundwater
Well R5B3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-209**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R5B3_VOC.xls]Plot_R5B3_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R9B3
MEW Regional Annual Report

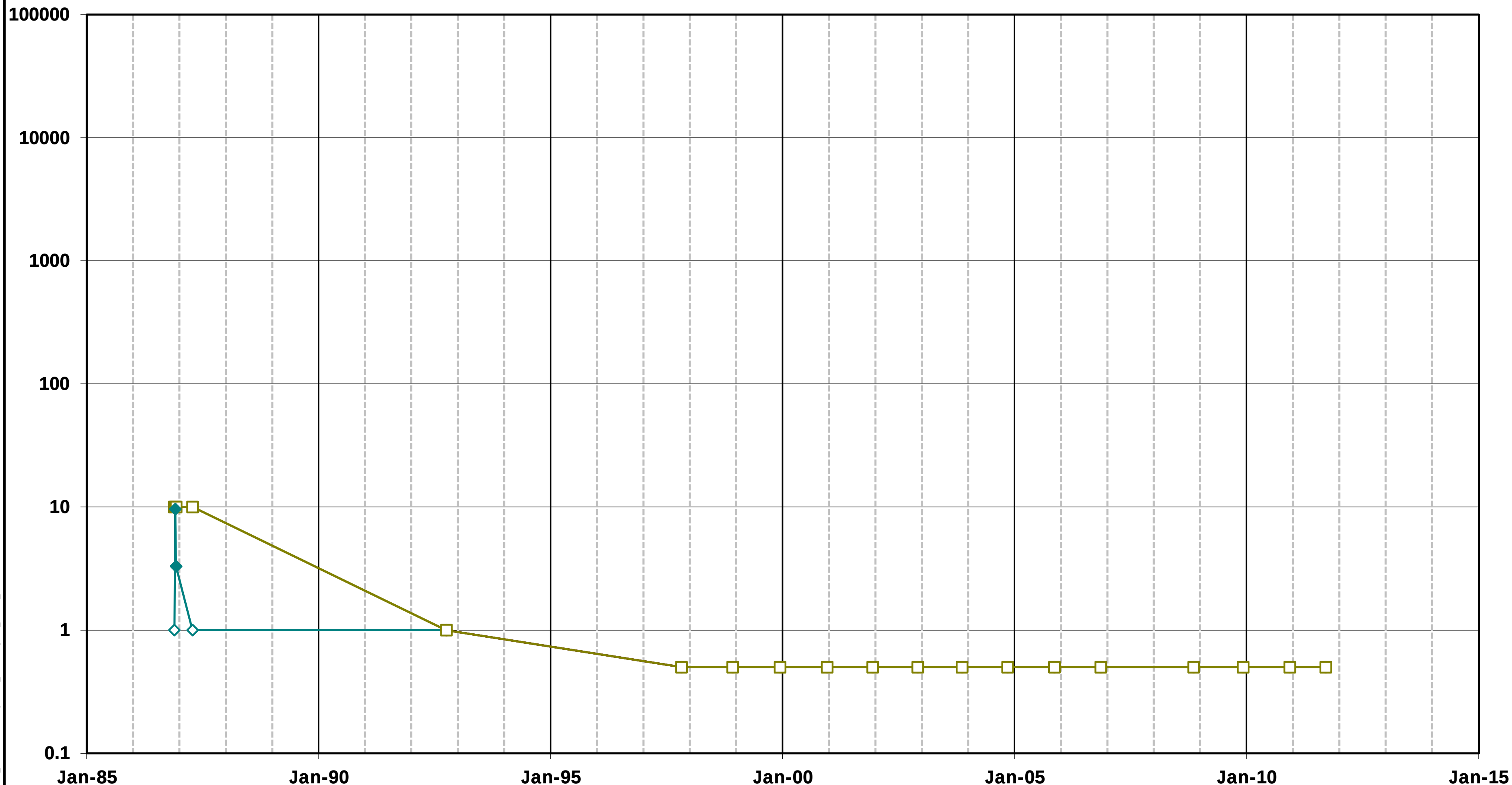
Geosyntec consultants

Figure

D-210

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R9B3_VOC.xls]Plot_R9B3_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

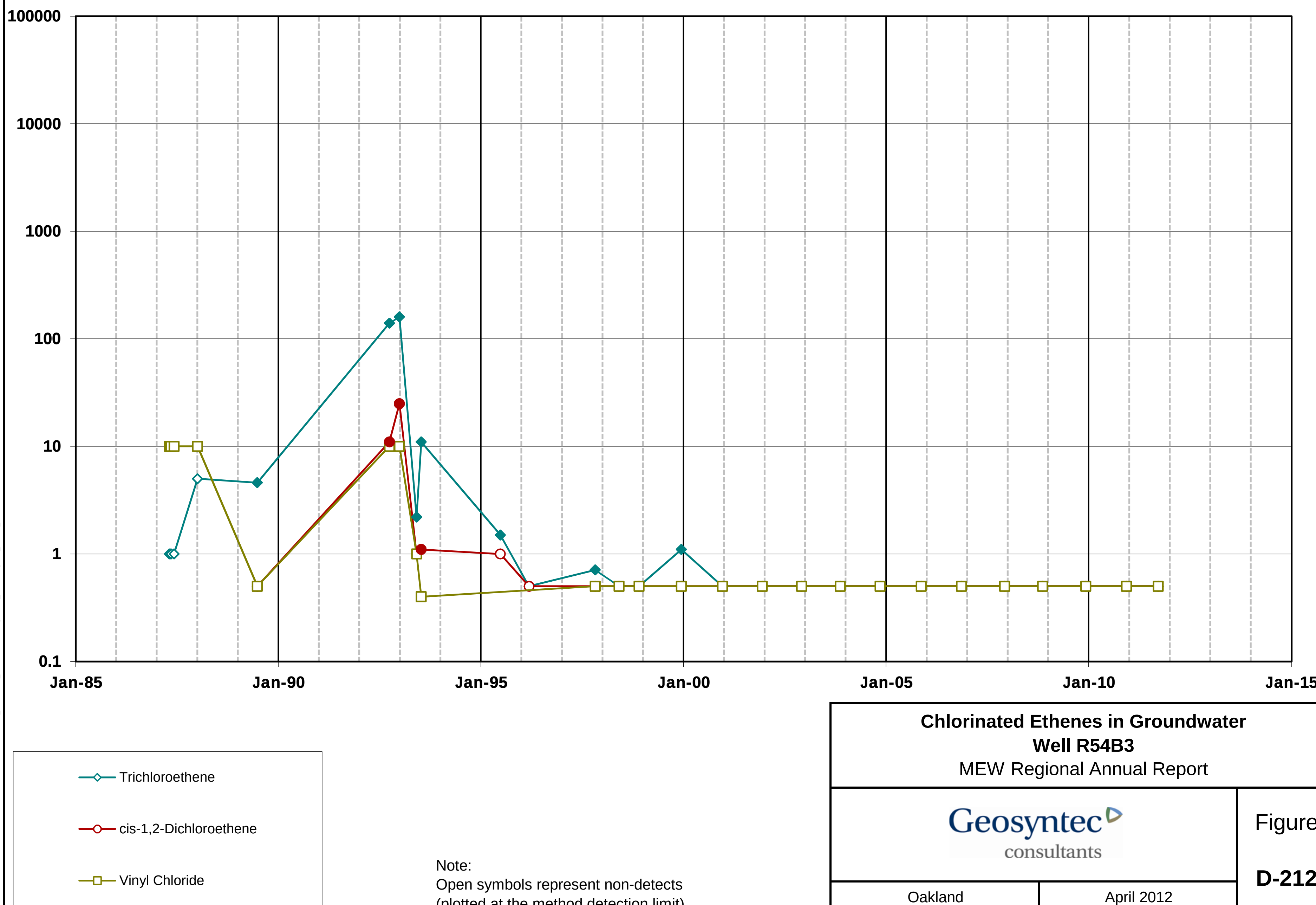
Chlorinated Ethenes in Groundwater
Well R27B3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-211**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R27B3_VOC.xls]Plot_R27B3_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R54B3_VOC.xls]Plot_R54B3_VOC

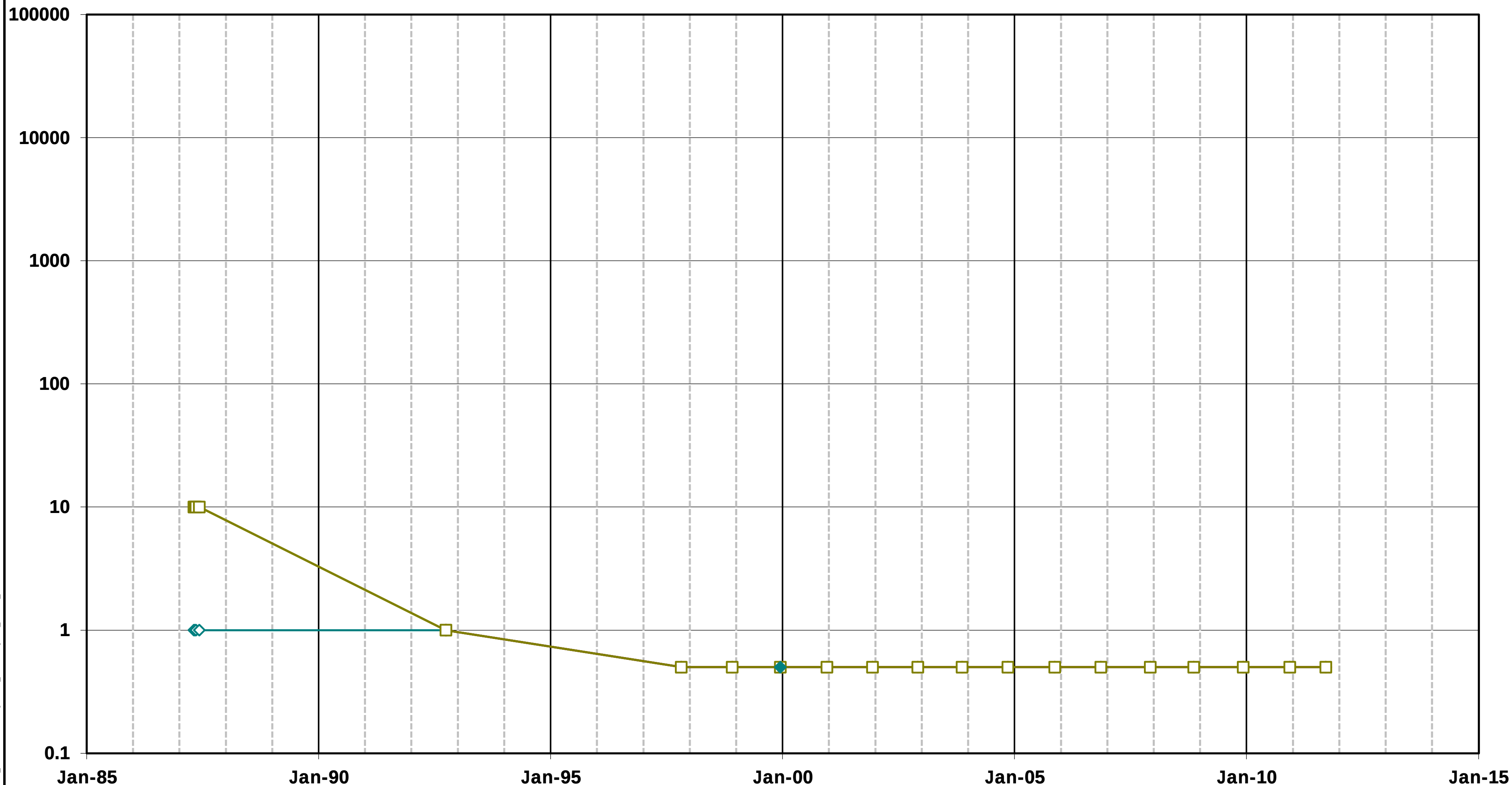
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R54B3
MEW Regional Annual Report

Geosyntec consultants

Figure
D-212

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

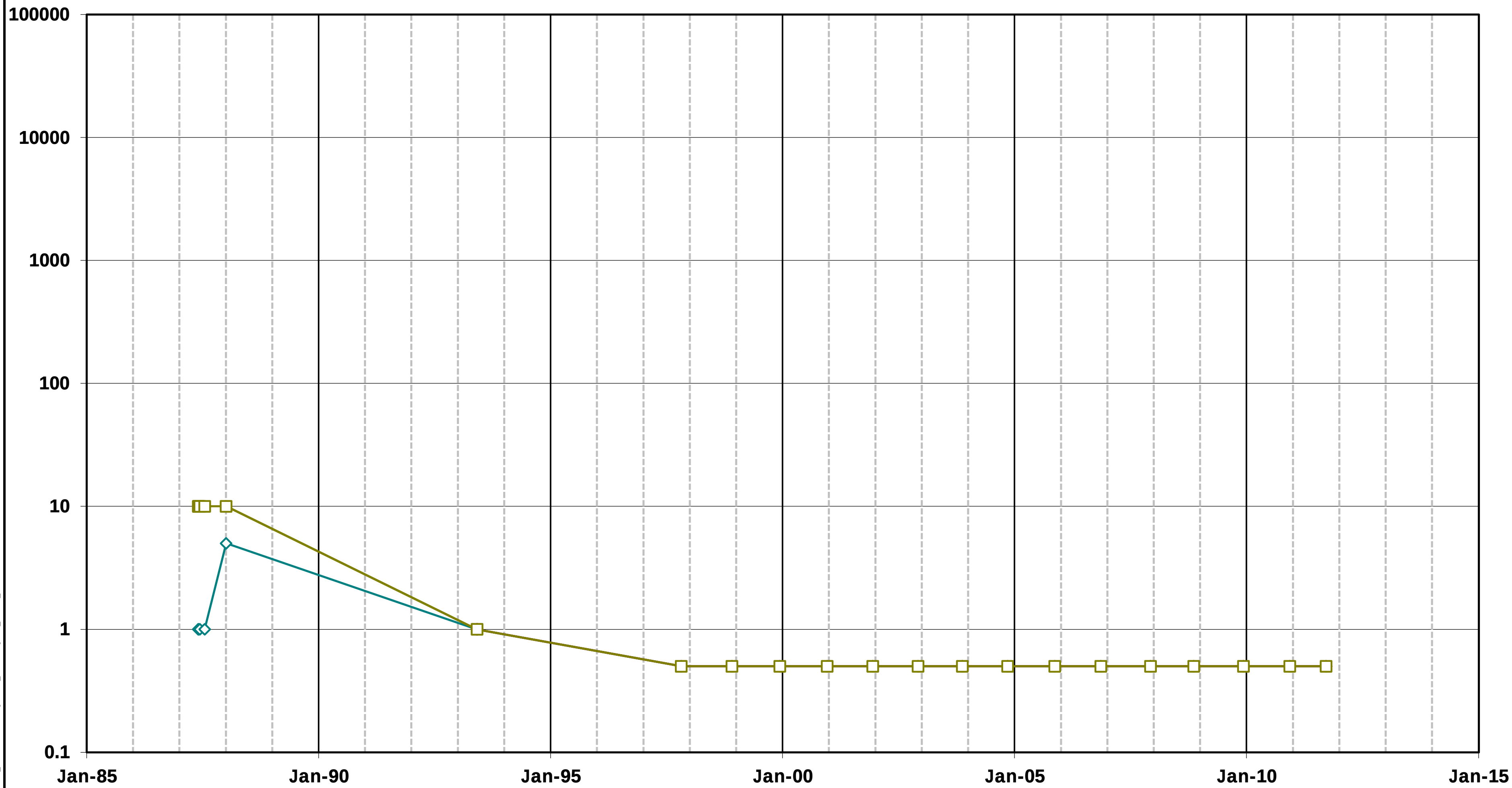
Chlorinated Ethenes in Groundwater
Well R56B3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-213**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R56B3_VOC.xls]Plot_R56B3_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

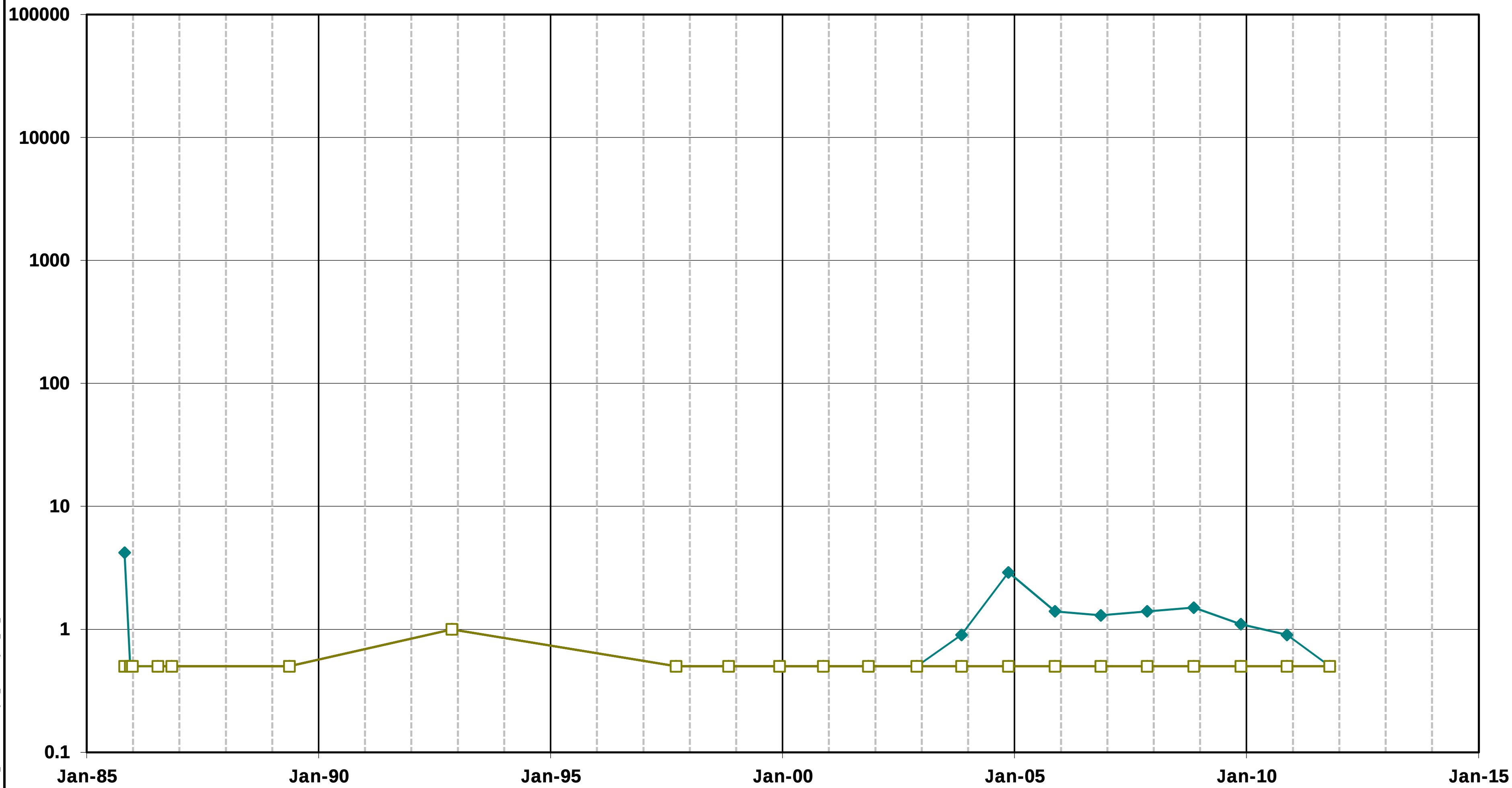
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well R61B3
MEW Regional Annual Report

Geosyntec consultants

Figure **D-214**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 6C
MEW Regional Annual Report

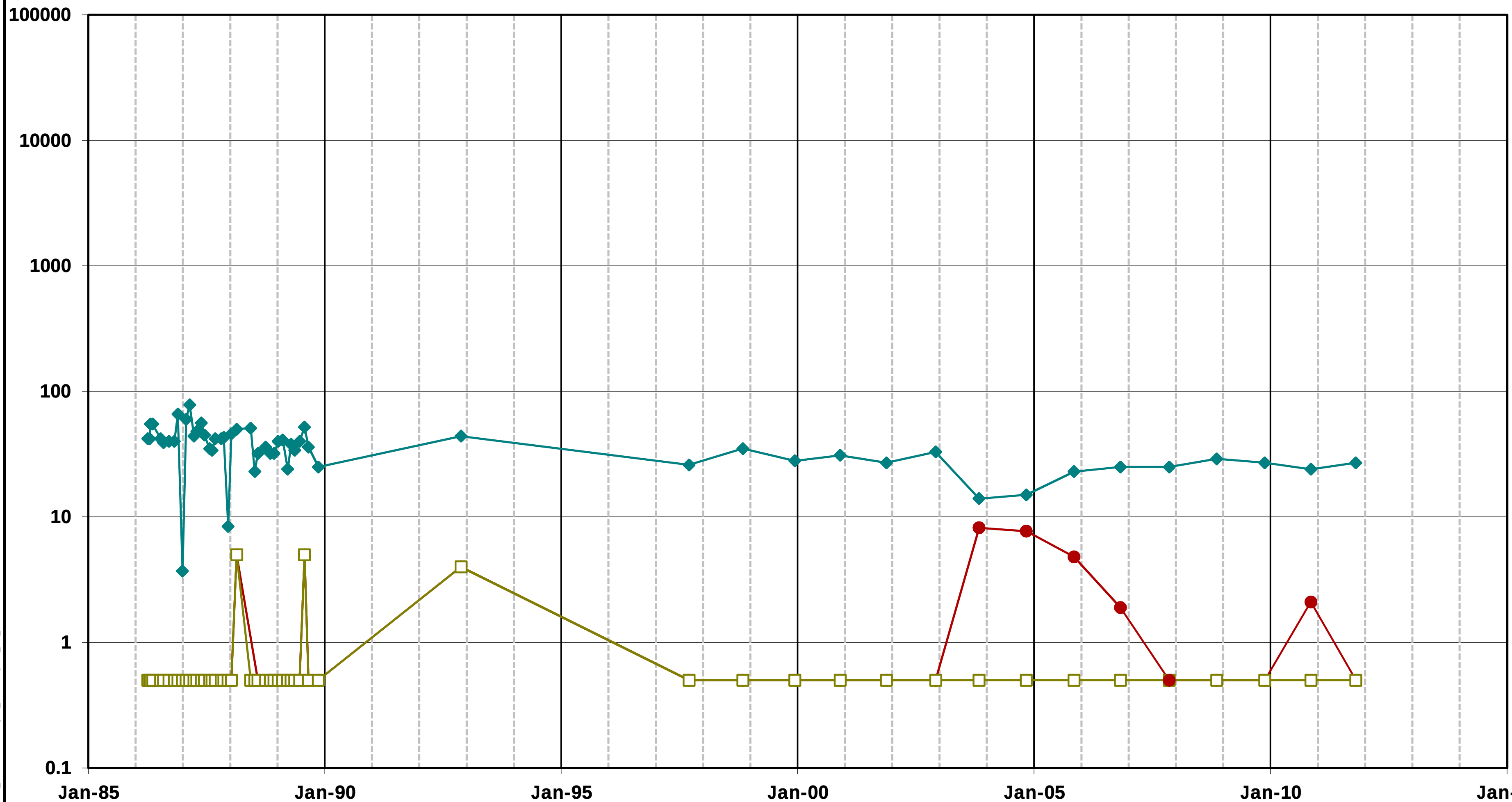
Geosyntec consultants

Figure **D-215**

Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[6C_VOC.xls]Plot_6C_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[8C_VOC.xls]Plot_8C_VOC

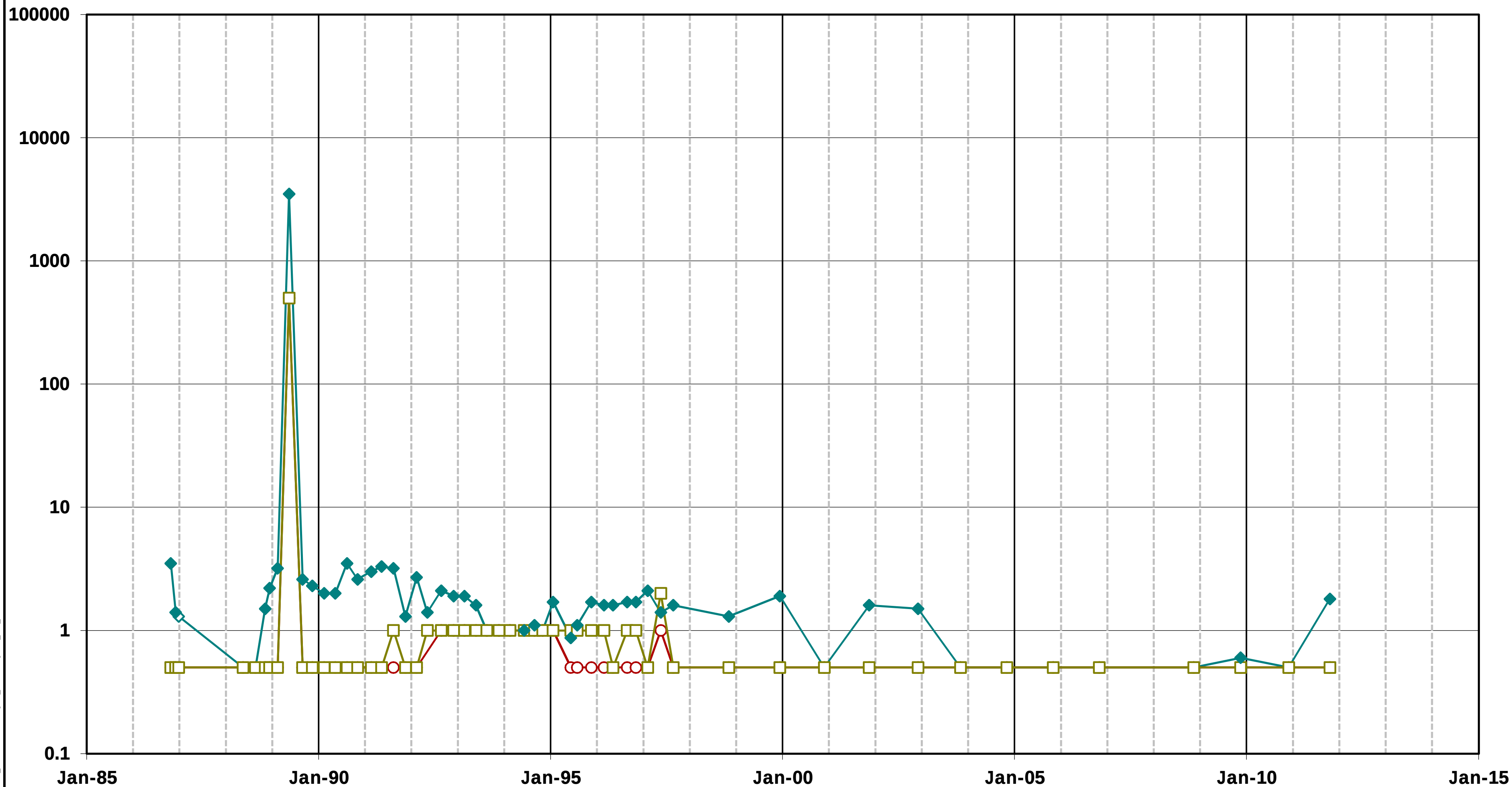
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well 8C
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure
D-216



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

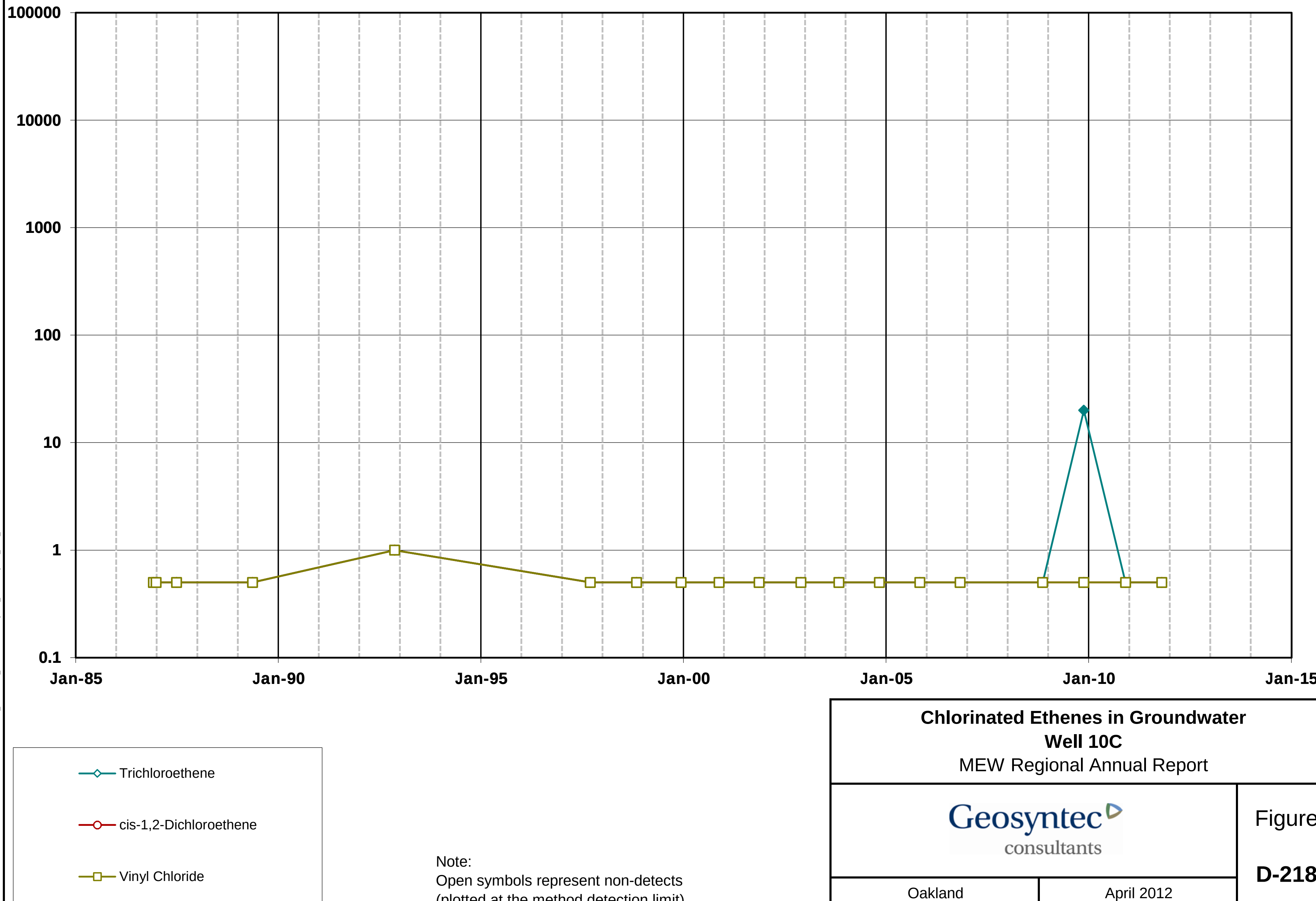
Chlorinated Ethenes in Groundwater
Well 9C
MEW Regional Annual Report

Geosyntec consultants

Figure
D-217

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[9C_VOC.xls]Plot_9C_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

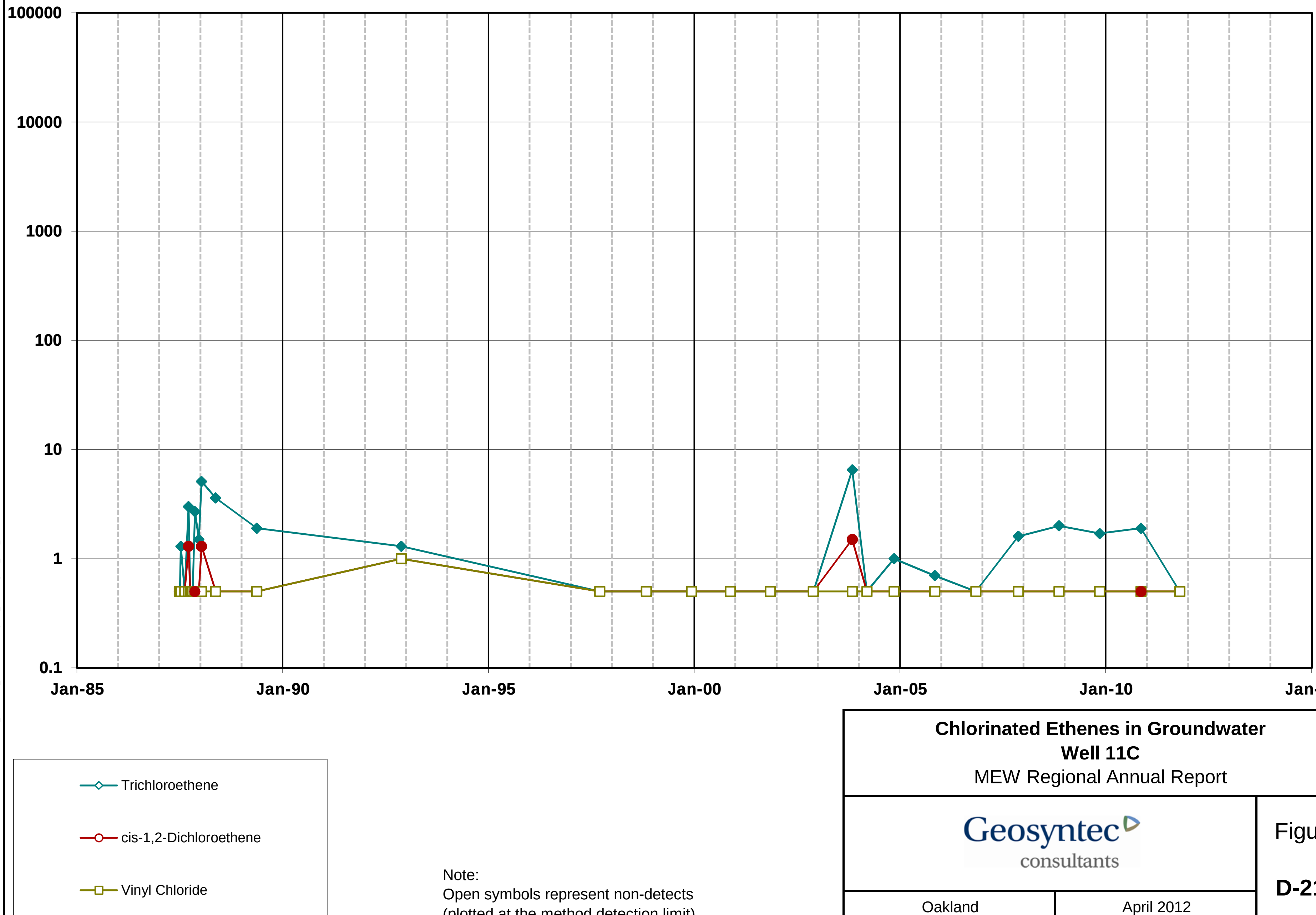
Chlorinated Ethenes in Groundwater
Well 10C
MEW Regional Annual Report

Geosyntec consultants

Figure **D-218**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[10C_VOC.xls]Plot_10C_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

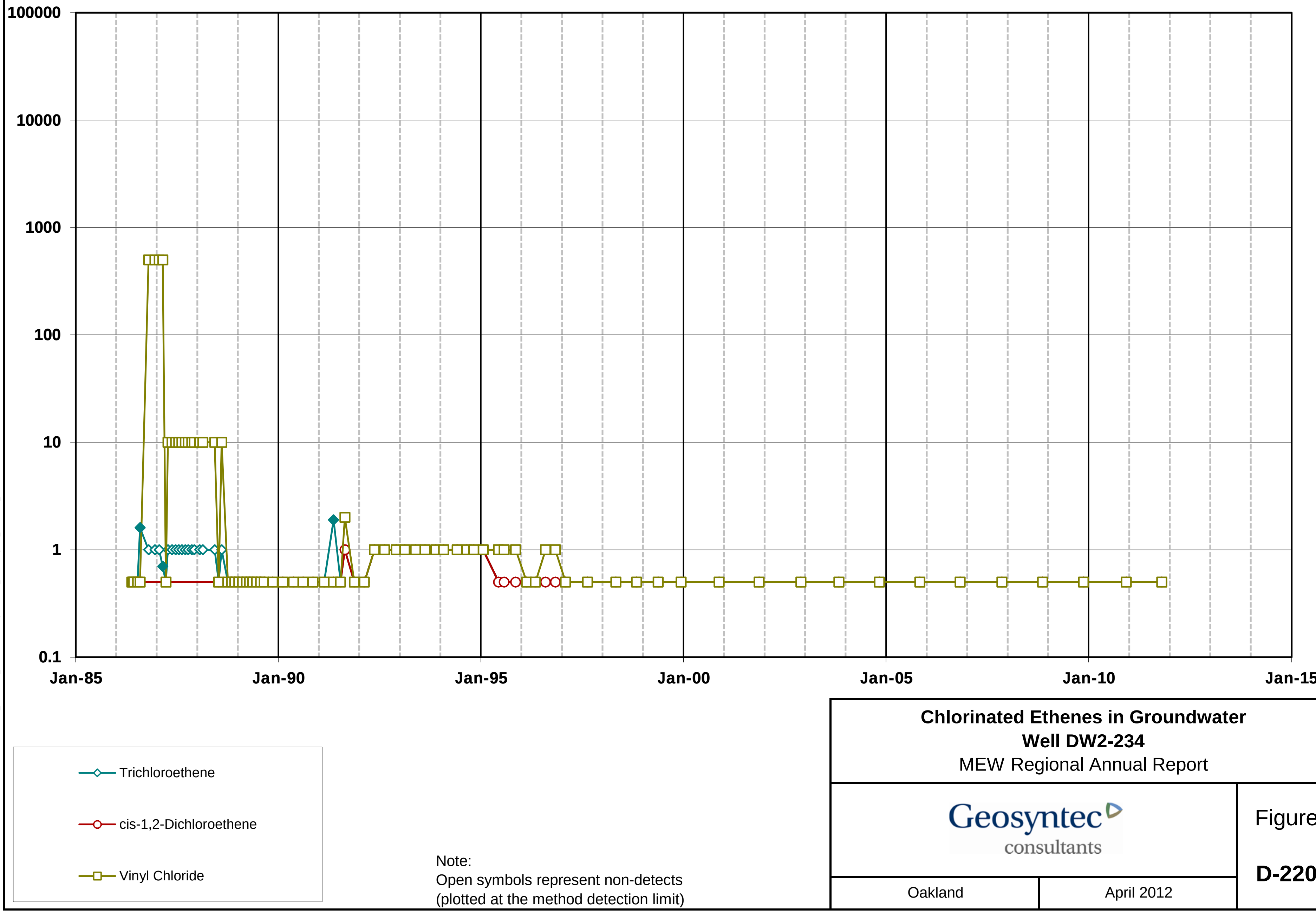
Chlorinated Ethenes in Groundwater
Well 11C
MEW Regional Annual Report

Geosyntec consultants

Figure **D-219**

Oakland	April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[11C_VOC.xls]Plot_11C_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW2-234_VOC.xls]Plot_DW2-234_VOC

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

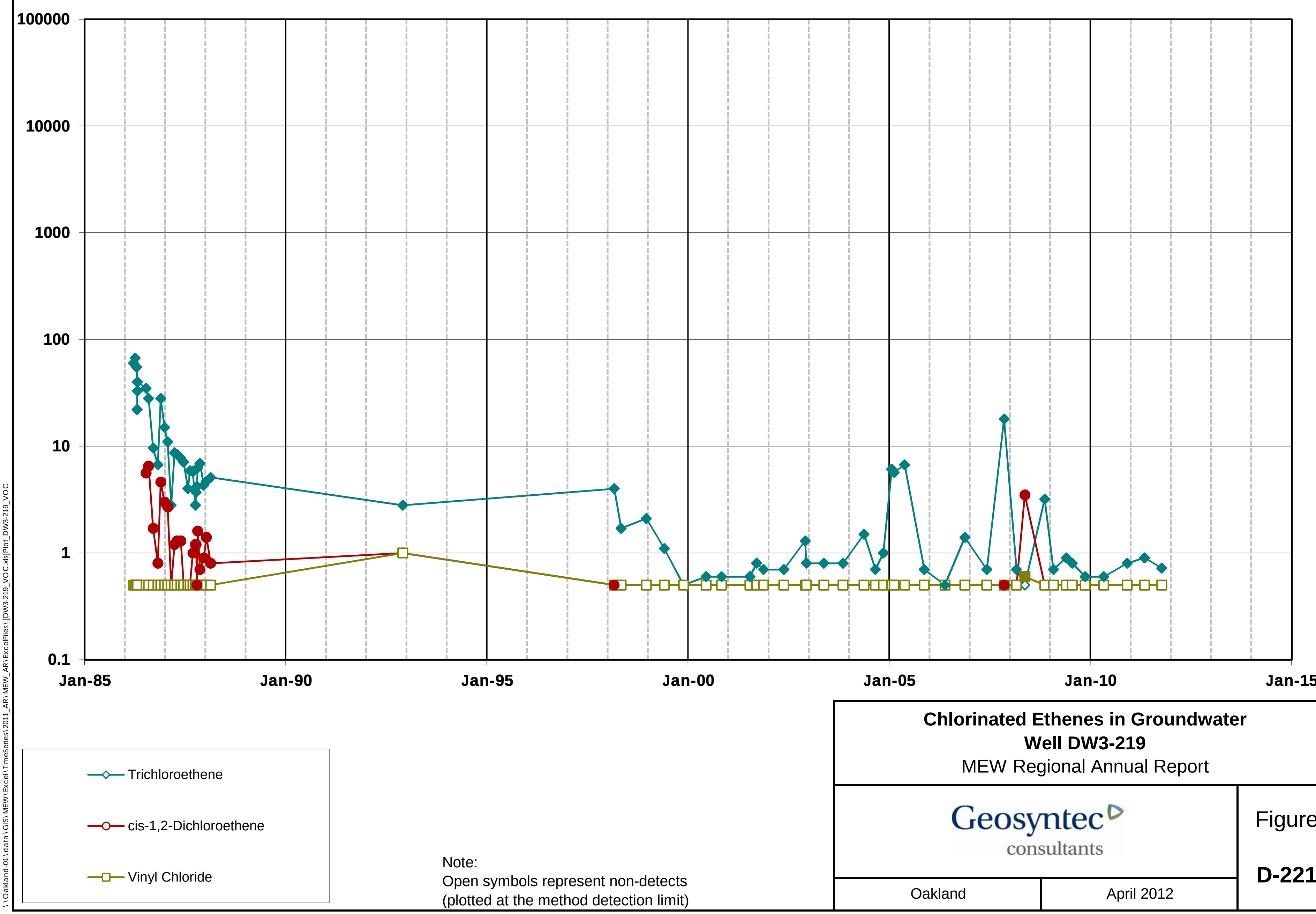
Chlorinated Ethenes in Groundwater
Well DW2-234
MEW Regional Annual Report

Geosyntec consultants

Figure

D-220

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

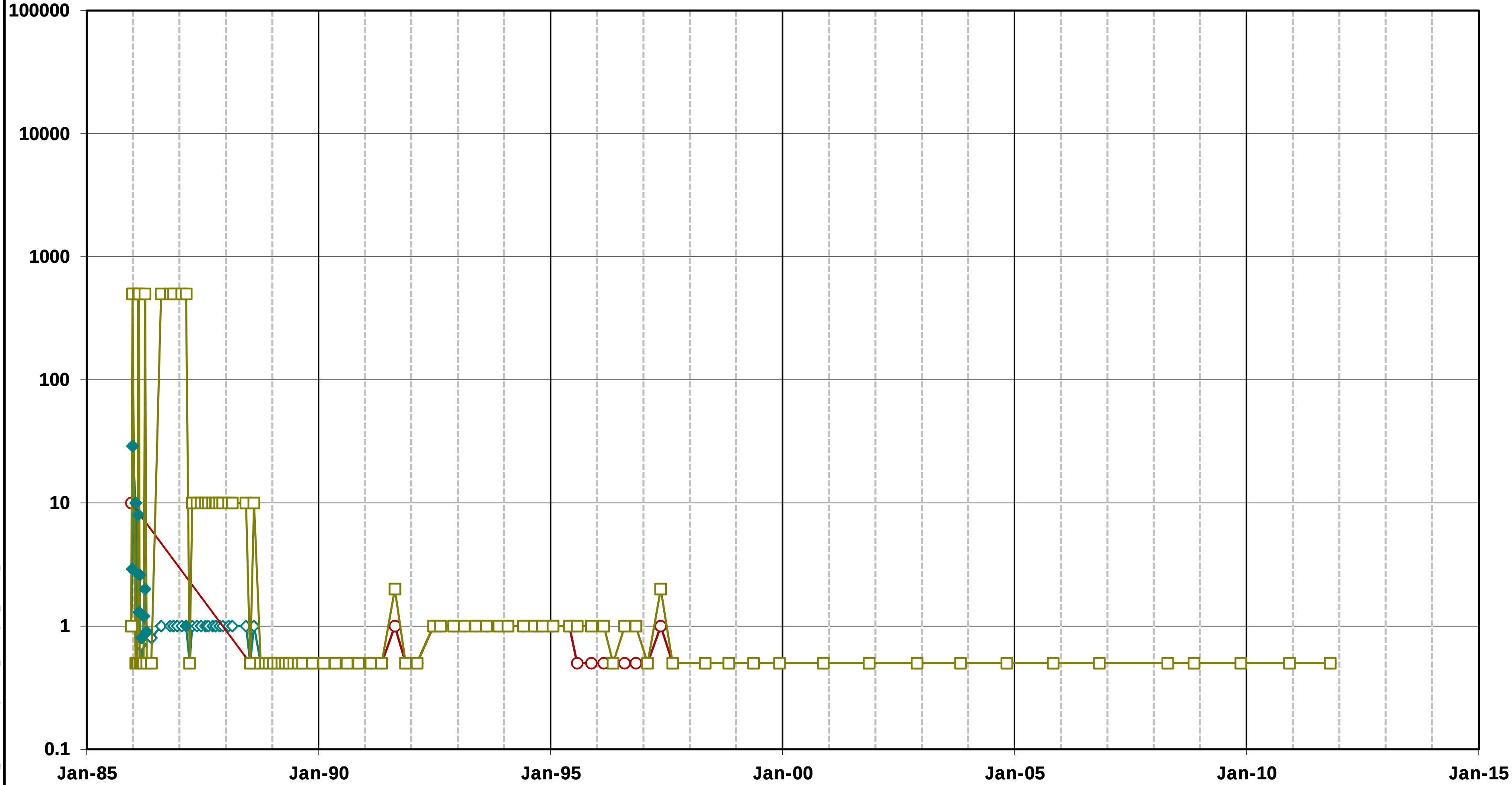
Chlorinated Ethenes in Groundwater
Well DW3-219
MEW Regional Annual Report

Geosyntec consultants

Figure **D-221**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW3-219_VOC.xls]Plot_DW3-219_VOC



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

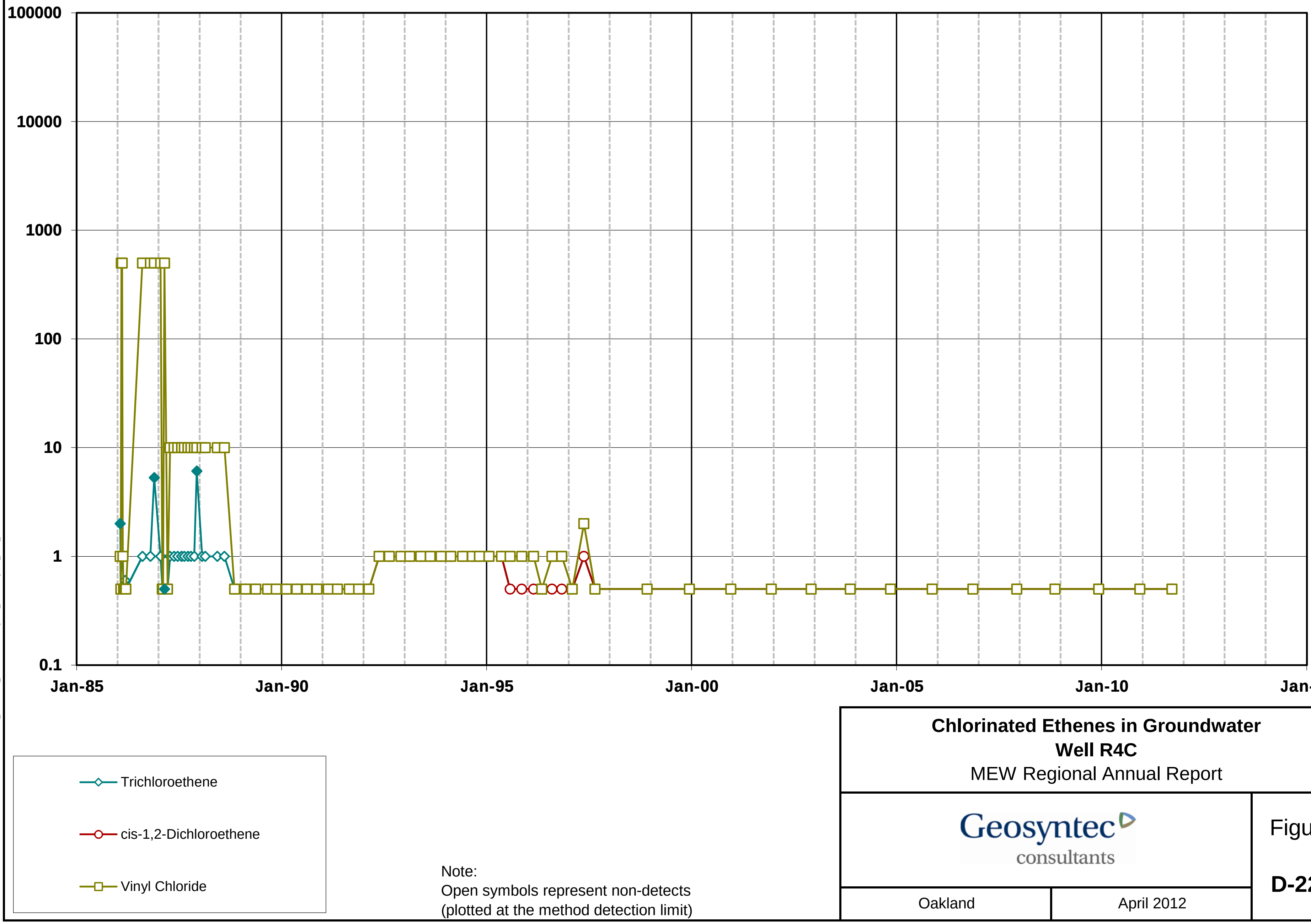
Chlorinated Ethenes in Groundwater
Well DW1-230
MEW Regional Annual Report

Geosyntec consultants

Figure **D-222**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW1-230_VOC.xls]Plot_DW1-230_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

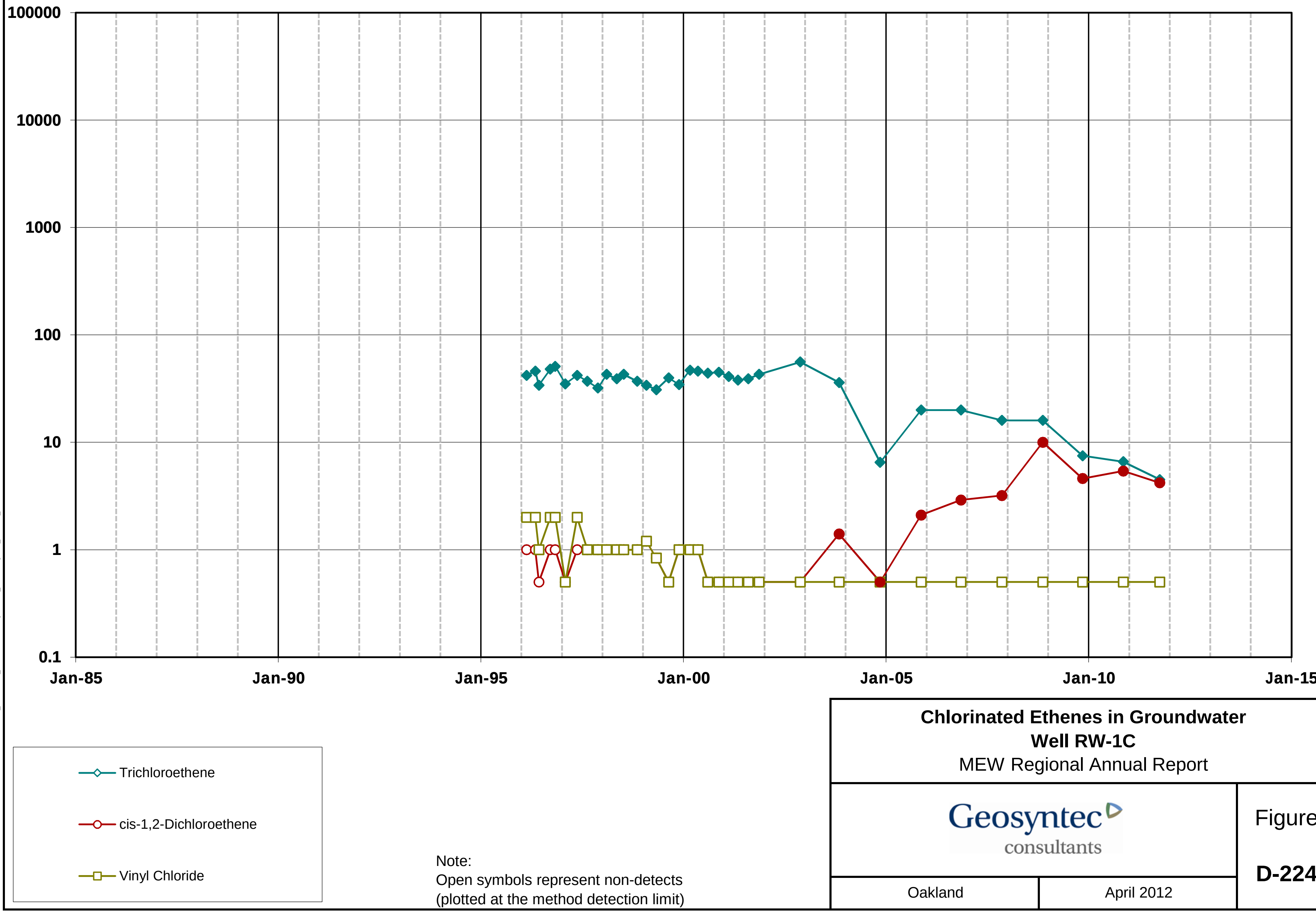
Chlorinated Ethenes in Groundwater
Well R4C
MEW Regional Annual Report

Geosyntec consultants

Oakland | April 2012

Figure
D-223

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[R4C_VOC.xls]Plot_R4C_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

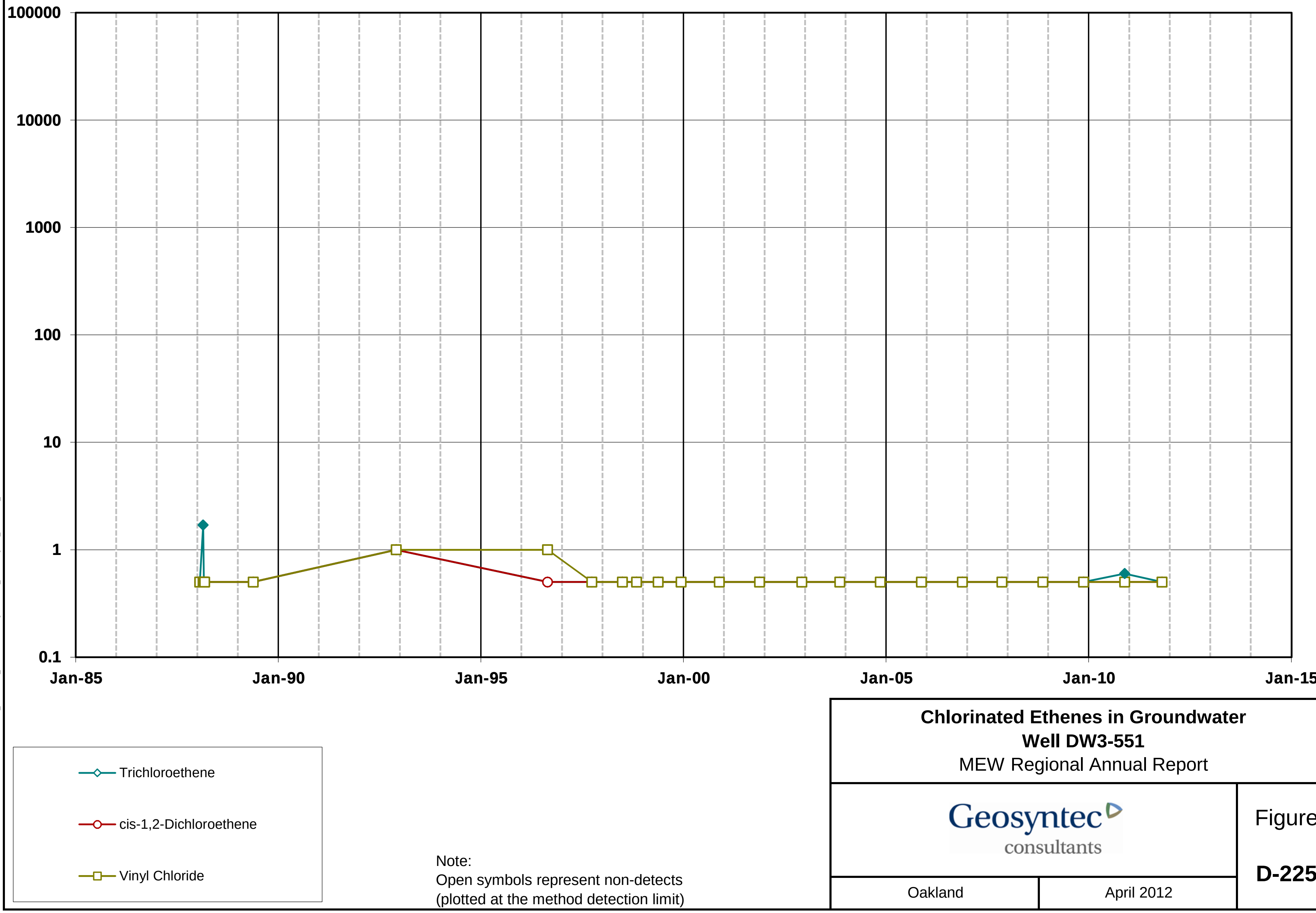
Chlorinated Ethenes in Groundwater
Well RW-1C
MEW Regional Annual Report

Geosyntec consultants

Figure
D-224

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[RW-1C_VOC.xls]Plot_RW-1C_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW3-551_VOC.xls]Plot_DW3-551_VOC

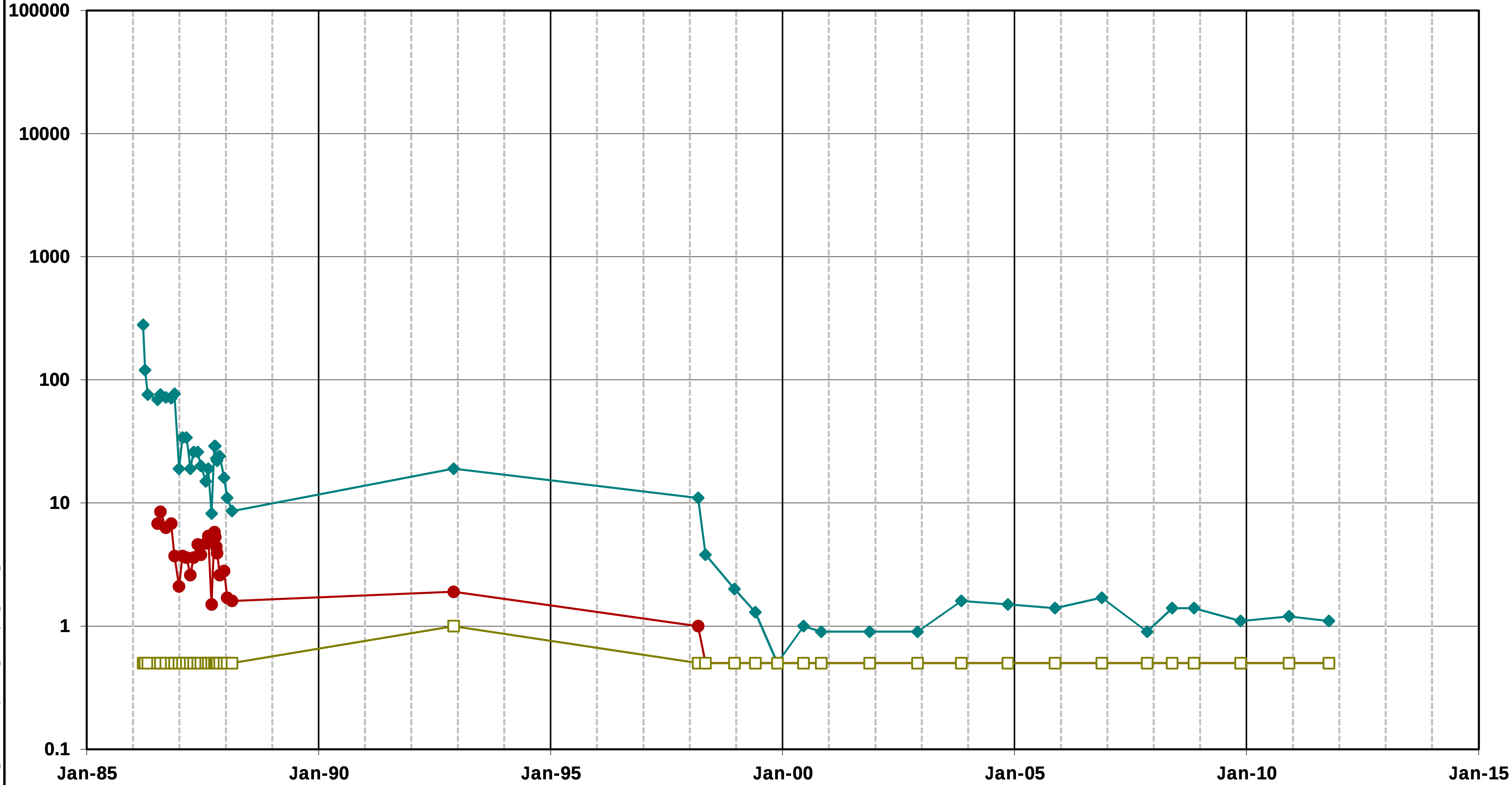
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well DW3-551
MEW Regional Annual Report

Geosyntec consultants

Figure **D-225**

Oakland | April 2012



Trichloroethene

cis-1,2-Dichloroethene

Vinyl Chloride

Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well DW3-244
MEW Regional Annual Report

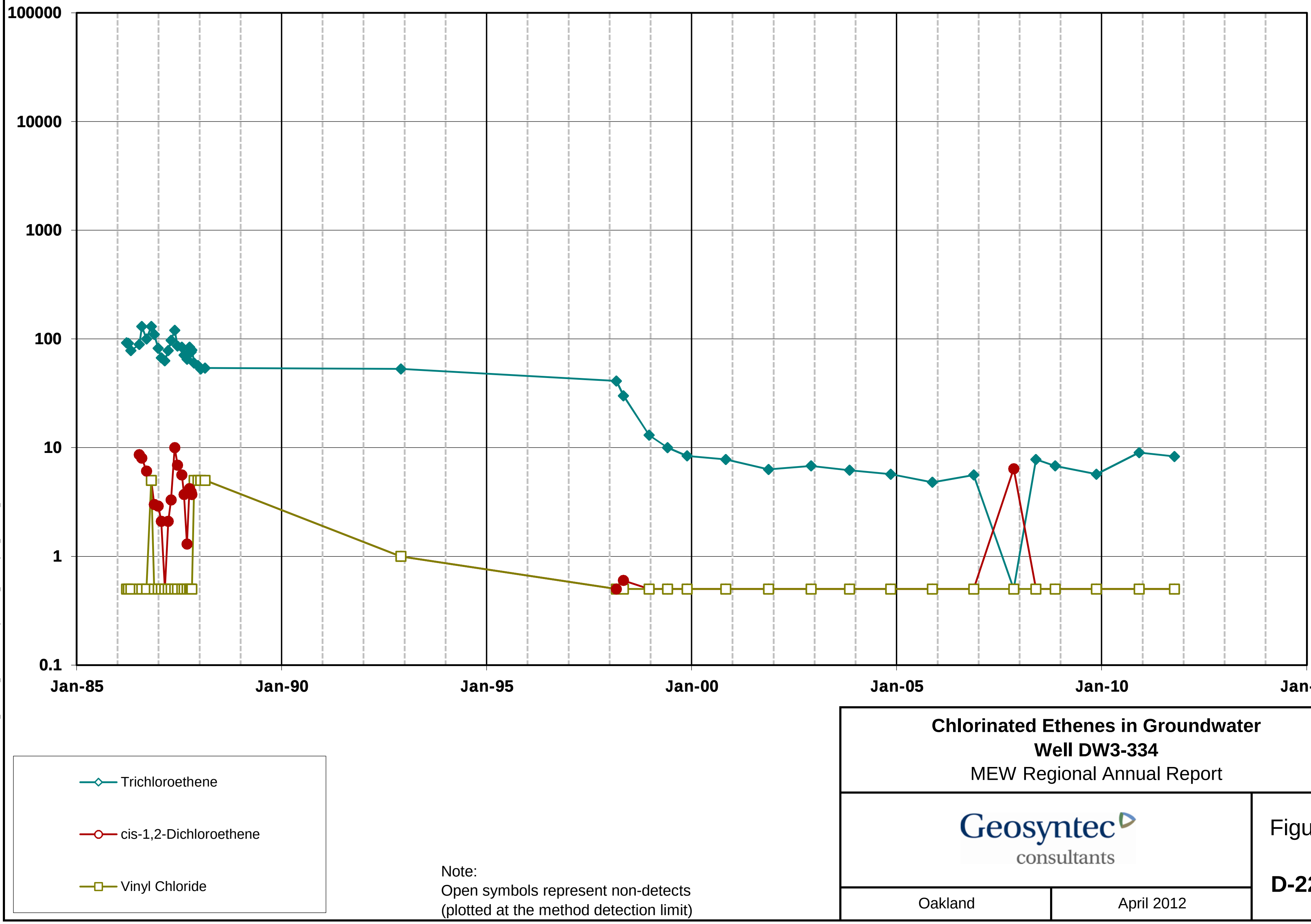
Geosyntec consultants

Figure
D-226

Oakland

April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW3-244_VOC.xls]Plot_DW3-244_VOC



\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW3-334_VOC.xls]Plot_DW3-334_VOC

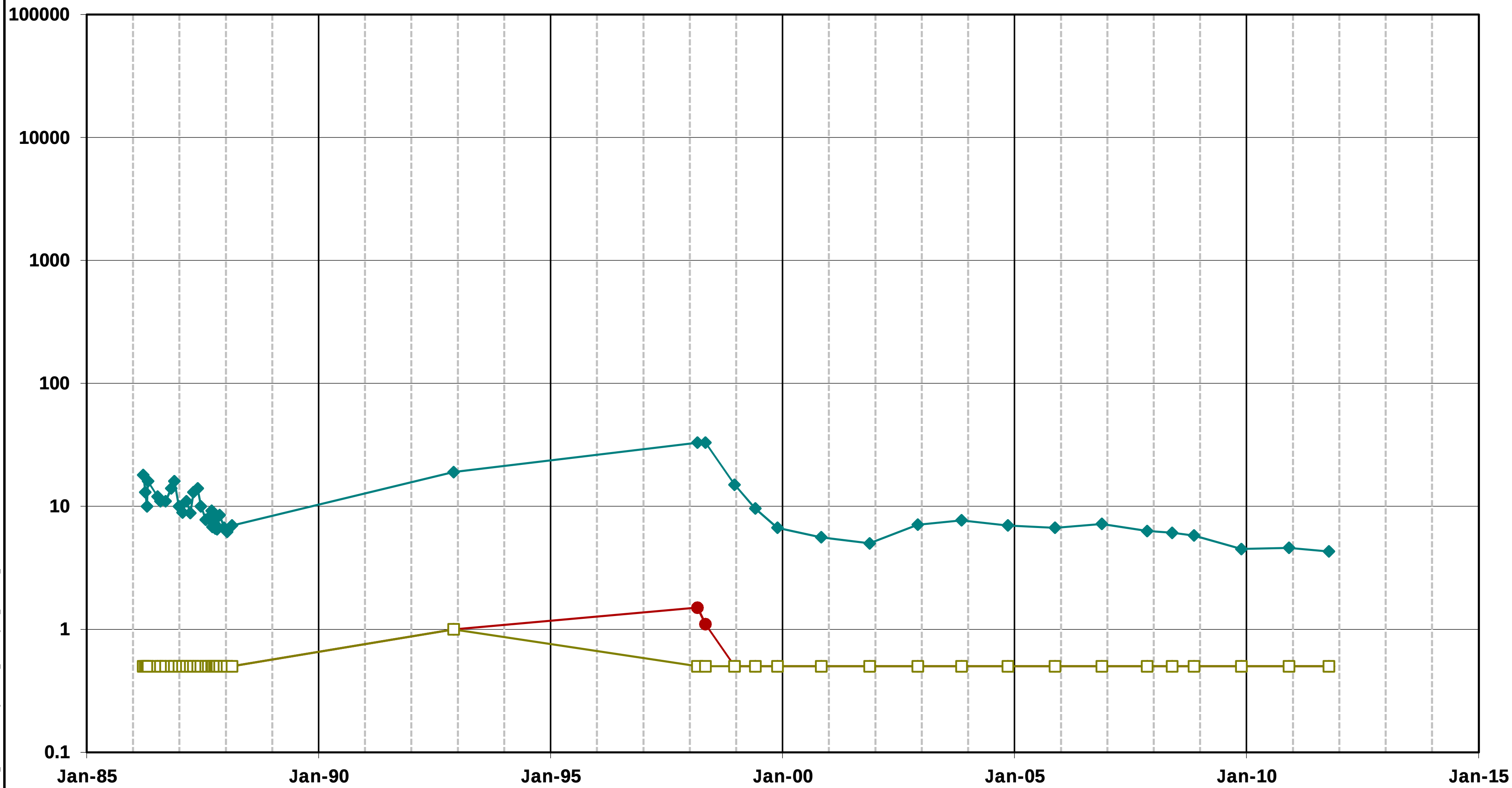
Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well DW3-334
MEW Regional Annual Report

Geosyntec consultants

Figure **D-227**

Oakland | April 2012



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

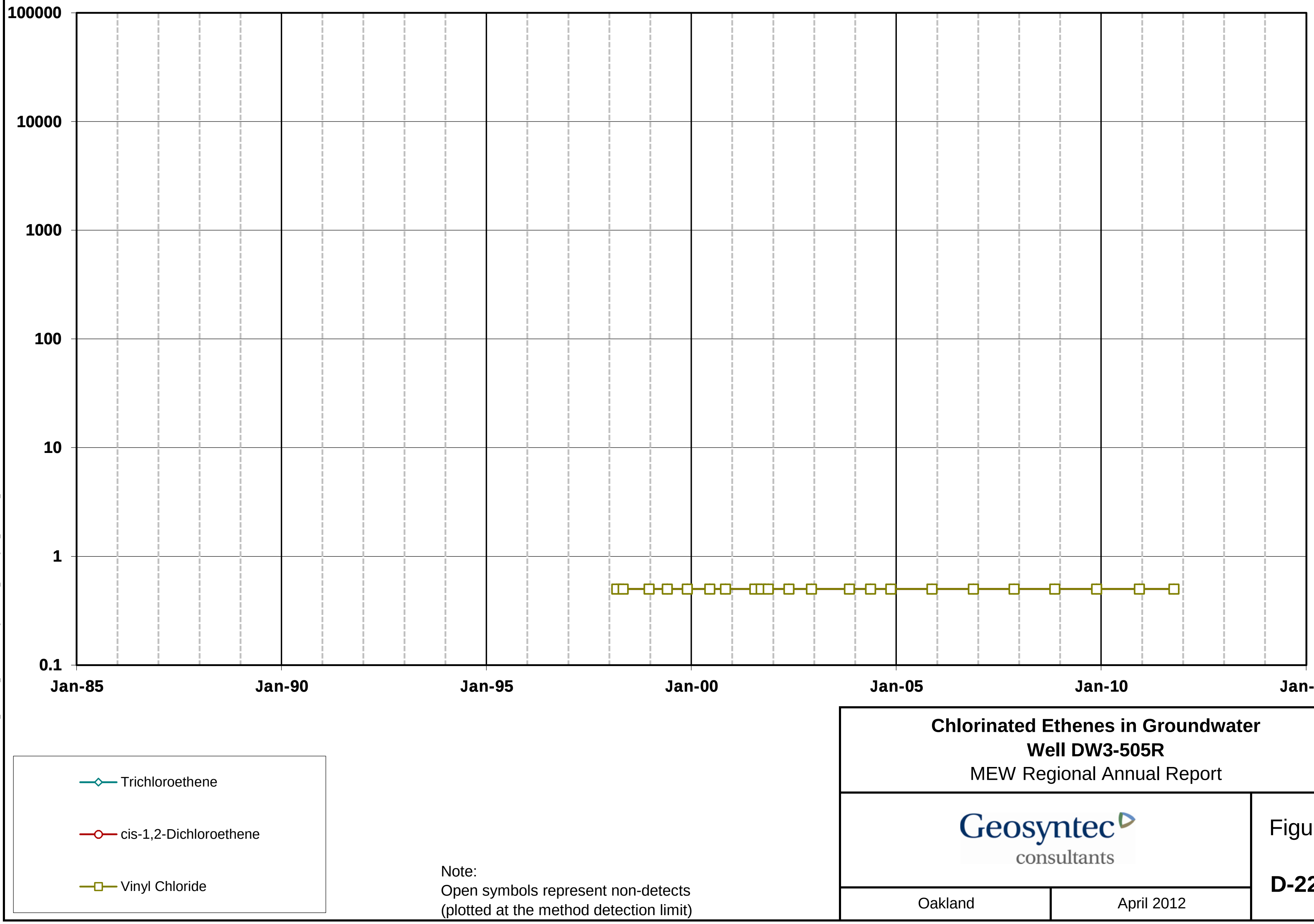
Chlorinated Ethenes in Groundwater
Well DW3-364
MEW Regional Annual Report

Geosyntec consultants

Figure **D-228**

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW3-364_VOC.xls]Plot_DW3-364_VOC



Note:
Open symbols represent non-detects
(plotted at the method detection limit)

Chlorinated Ethenes in Groundwater
Well DW3-505R
MEW Regional Annual Report

Geosyntec consultants

Figure
D-229

Oakland | April 2012

\\Oakland-01\data\GIS\MEW\Excel\TimeSeries\2011_AR\MEW_AR\ExcelFiles\[DW3-505R_VOC.xls]Plot_DW3-505R_VOC

APPENDIX E

Analytical Results – Metals – All MEW Wells
Five Year Summary
January 2007 through December 2011

Table E-1
Analytical Results - Metals - All MEW Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in µg/L and method is US EPA Method 6010)				
			Antimony	Arsenic	Cadmium	Lead	Sampling Company
A/A1 Zone							
22A	Fairchild	11/11/2008		<5			Weiss
22A	Fairchild	11/23/2009		<5			Weiss
22A	Fairchild	11/22/2010		<5			Weiss
22A	Fairchild	9/22/2011		<7.1			Weiss
42A	Fairchild	11/14/2007	<10		<5		Weiss
42A	Fairchild	11/15/2008	<10		<5		Weiss
42A	Fairchild	11/24/2009	<10		<5		Weiss
42A	Fairchild	12/2/2010	<10		<5		Weiss
42A	Fairchild	9/22/2011	<10		<5		Weiss
54A	Fairchild	11/14/2007			<5		Weiss
54A	Fairchild	11/15/2008			<5		Weiss
54A	Fairchild	11/16/2009			<5		Weiss
54A	Fairchild	9/22/2011			<5		Weiss
SIL12A	Siltec	12/10/2007	<10				Weiss
SIL12A D	Siltec	12/10/2007	<10				Weiss
SIL12A	Siltec	11/12/2008	<10				Weiss
SIL12A	Siltec	12/4/2008	<10				Vishay by Geomatrix
SIL12A D	Siltec	12/4/2008	<10				Vishay by Geomatrix
SIL12A	Siltec	11/23/2009	<10				Weiss
SIL12A	Siltec	12/3/2009	<10				Vishay/AMEC Geomatrix
SIL12A D	Siltec	12/3/2009	<10				Vishay/AMEC Geomatrix
SIL12A	Siltec	12/2/2010	<10				Weiss
SIL12A	Siltec	12/16/2010	<10				Vishay
SIL12A D	Siltec	12/16/2010	<10				Vishay
SIL12A	Siltec	10/7/2011	<10				Vishay/AMEC
SIL12A D	Siltec	10/7/2011	<10				Vishay/AMEC
A2/B1 Zone							
RW-1(B1)	Fairchild	11/14/2007				**3.2**	Weiss
RW-1(B1)	Fairchild	11/15/2008				**420**	Weiss
RW-1(B1)	Fairchild	11/24/2009				<3.1	Weiss
RW-1(B1)	Fairchild	12/3/2010				<5	Weiss

Table E-1
Analytical Results - Metals - All MEW Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in µg/L and method is US EPA Method 6010)				
			Antimony	Arsenic	Cadmium	Lead	Sampling Company
RW-1(B1)	Fairchild	10/14/2011				<5	Weiss
RW-2(B1)	Fairchild	11/14/2007				<3	Weiss
RW-2(B1)	Fairchild	11/11/2008				<3	Weiss
RW-2(B1)	Fairchild	11/23/2009				<3.1	Weiss
RW-2(B1) D	Fairchild	11/23/2009				<3.1	Weiss
RW-2(B1)	Fairchild	12/2/2010				<5	Weiss
RW-2(B1) D	Fairchild	12/2/2010				<5	Weiss
RW-2(B1)	Fairchild	10/6/2011				<5	Weiss
B2 Zone							
10B2	Fairchild	11/14/2007		**13**			Weiss
10B2	Fairchild	11/18/2008		<5			Weiss
10B2	Fairchild	11/18/2009		<5			Weiss
10B2	Fairchild	11/12/2010		**10**			Weiss
10B2	Fairchild	9/22/2011		<7.1			Weiss

Notes:
< indicates analyte not detected above the reported detection limit
D indicates duplicate sample
µg/L = Micrograms per Liter

APPENDIX G

QA/QC Report, Summary Tables and Criteria

MEMORANDUM

TO: Carolyn Kneiblher, C.HG.
Geosyntec Consultants

FROM: Alok D. Kolekar, P.E.
Weiss Associates

RE: **2011 DATA QUALITY ASSURANCE/ QUALITY CONTROL REPORT MEW REGIONAL GROUNDWATER REMEDIATION PROGRAM**
MIDDLEFIELD-ELLIS-WHISMAN AREA SUPERFUND SITE
MOUNTAIN VIEW, CALIFORNIA

DATE: March 9, 2012

The analytical laboratory data and accompanying quality assurance/quality control (QA/QC) information used in the 2011 Annual Report for the Middlefield-Ellis Whisman (MEW) Regional Groundwater Remediation Program were reviewed for precision, accuracy, reproducibility, and completeness in accordance with the approved MEW 1991 *Quality Assurance Project Plan* (QAPP).[1] In addition, the data quality review was based on Weiss Associates' (Weiss) Standard Operating Procedures (SOPs) for data verification, data validation, and validation procedures for metals, volatile organic chemicals (VOCs), and semivolatile organic chemicals. The SOPs functionally adhere to the most recent United States Environmental Protection Agency (USEPA) *Contract Laboratory Program National Functional Guidelines for Organic (October 1999) and Inorganic (February 1994) Data Review*. As specified by the QAPP and the SOPs, Weiss Associates collected field QA/QC samples and performed a laboratory data quality review.

This data quality review summarizes the Level 2 and Level 4 Data Quality Review for samples collected by Weiss during the 2011 annual sampling event in accordance with the MEW Quality Assurance Project Plan (QAPP). Other data collected by MEW All Parties, including MEW Potentially Responsible Parties (PRPs), Navy and National Aeronautics and Space Administration (NASA) in Moffett Field, California, were validated by the party collecting the data prior to submission and upload to the MEW Regional Program analytical database. As a result, this review encompasses field QA/QC data collected by All Parties, since these results are used in the Annual Report, and presents a summary of data validation performed specific to data collected by Weiss on behalf of Schlumberger Technology Corporation.

FIELD QA/QC SAMPLE COLLECTION

To assess the reliability of field sampling procedures and materials, the following field QA/QC samples were collected or prepared for the annual groundwater sampling and groundwater extraction and treatment system (GWETS) sampling:

- Field duplicate – Field duplicate samples are blind duplicates that provide data to assess precision of the contract laboratory. Field duplicates are specified to be collected at a frequency of 1 for every 20 field samples collected.
- Matrix spike/Matrix spike duplicate – Matrix spike/matrix spike duplicate (MS/MSD) samples measure the accuracy and precision of the analytical methods MS/MSD samples are specified at a frequency of 1 for every 20 field samples collected.

[1] 1991, *Quality Assurance Project Plan Middlefield-Ellis-Whisman Site, Mountain View, California,* prepared by Canonie Environmental, Rev. 1.0,; August 16, 1991. This document is sometimes referred to as the Unified QAPP because it is used by MEW, NASA and Navy.

- Rinseate blank – These samples consist of reagent water collected from a final rinse of sampling equipment after the decontamination procedure has been performed. The purpose of rinseate samples is to evaluate whether the sampling equipment may be causing cross-contamination of the samples. Rinseate blank sampling is not necessary for locations that have dedicated sample collection, such as at GWETS sample ports. Following equipment decontamination, deionized/organic-free water used for the final rinse is collected in appropriate bottles. Rinseate samples were specified at a frequency of 1 for every 20 field samples that are collected using reusable sample collection equipment.
- Field blank – These samples consist of source water used for decontamination of equipment. The purpose of field blanks is to evaluate whether source water is contributing to contamination of samples. Field blanks were collected at a frequency of 5% of the field samples collected.
- Trip blank – These samples consist of "clean," volatile organic analysis vials (VOAs) filled with deionized/organic-free water and preserved. These pre-filled VOAs are supplied by the laboratory and accompany other samples in the field and on their trip to the laboratory. The purpose of the trip blank is to evaluate whether exposure to sampling site conditions, storage, and shipment of samples may be causing contamination after the samples are collected. Trip blanks are collected only when samples are collected for VOC analysis. One trip blank accompanies each VOC sample shipment.

LABORATORY DATA QUALITY REVIEW PARAMETERS

For the 2011 GWETS sampling and the annual groundwater sampling event, the sample results were verified for completeness using a Level 2 data review summary per the QAPP and SOPs. The following parameters were reviewed in this review:

- Holding time;
- Detection and reporting limits;
- Surrogate recovery (VOC methods only);
- Laboratory control sample recovery;
- Matrix spike and spike duplicate recovery;
- Method blank results;
- Trip blank results (VOC methods only);
- Field/rinseate blank results; and
- Field sample duplicates results.

Ten percent of the sample delivery groups underwent a Level 4 data validation as required by the QAPP. The samples intended for the Level 4 data validation were documented on separate chain-of-custody forms than the other samples. Level 4 validation procedures vary by method. In addition to the Level 2 verification parameters listed above, the Level 4 validation parameters for organic (e.g., VOC) analyses include:

- Ion abundance;
- Minimum number of initial calibration standards analyzed;
- Relative response factors in initial and continuing calibrations;

- Percent of relative standard deviations in initial calibrations;
- Percent of differences in continuing calibrations;
- Internal standard retention times;
- Internal standard area counts;
- Analytical sequence carryover;
- Dilutions performed appropriately;
- Calibration blank contamination; and
- Data package completeness for all raw data, including chromatograms and bench sheets, for calibration standards, quality control data, and samples.

The Level 4 review of inorganic (e.g., metal) data include:

- Minimum number of initial calibration standards analyzed;
- All initial calibration verification recoveries within established limits;
- Initial calibration correlation coefficients within established limits;
- Continuing calibration verification recoveries within established limits;
- Analytical sequence carryover;
- Dilutions performed appropriately;
- Laboratory duplicate results within established limits;
- Initial and continuing calibration blank contamination; and
- Data package completeness for all raw data, including bench sheets, for calibration standards, quality control data, and sample.

2011 QA/QC SUMMARY - RGRP

Annual Groundwater Sampling

A total of 614 groundwater samples (642 including multiple analyses at some wells), were collected from monitoring and extraction wells as a part of the 2011 MEW annual groundwater sampling event. Groundwater samples were analyzed by the following state-certified analytical laboratories: Curtis & Tompkins (C&T) in Berkeley, California; Kiff Analytical (Kiff) in Davis, California; and Test America San Francisco in Pleasanton, California. Annual groundwater samples were collected from site wells in September through October 2011.

- Halogenated VOCs by U.S. EPA Method 8260B (588 samples)
- Purgeables by U.S. EPA Method 624, selected (24 samples)
- Total Petroleum Hydrocarbons by SW-846 Method 8015M (22 samples)
- Metals by U.S. EPA Method 6010B (8 samples)

The groundwater samples were imported into the database as 20,644 individual results. No data were rejected during the validation process, and "J" qualification was applied to 360 of the groundwater results. J-qualifiers, as defined by the USEPA mean: *the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample*.

The 41 duplicate groundwater samples were collected from September 1 to October 25, 2011 and were analyzed for VOCs and one was analyzed for antimony. Table 3a reports the relative percent difference (RPD) in concentrations for each of the duplicate sample pairs collected. The range in RPDs for trichloroethene (TCE) is 0% to 16% and for total VOCs is 0% to 54%. A RPD was not calculated for antimony because the analyte was not detected in the samples.

26 rinseate blank samples were collected by All Parties between September 16 and October 25, 2011 (Table 3b). The rinseate blank consists of reagent water collected from a final rinse of sampling equipment after the decontamination procedure has been performed. The purpose of rinseate samples is to evaluate whether the sampling equipment is causing cross contamination of samples. Following equipment decontamination, deionized/organic-free water was used as a final rinse and collected in appropriate bottles. Chloroform was detected in one rinseate blank sample collected during the 2011 sampling event.

25 field blank samples were collected by All Parties between September 2 and October 25, 2011 (Table 3c). The field blank is collected by filling sample containers with deionized water while sampling in the field. No contaminants were detected in any field blank samples collected during the 2011 sampling event. Therefore, no qualifications were applied to any associated groundwater samples.

85 trip blanks were submitted to the laboratories; one blank for each day that wells were sampled for VOCs per field technician or crew (Table 3d). The laboratories prepared all trip blanks, which consisted of sealed 40 milligrams per liter (mL) VOAs filled with deionized water and preserved with hydrochloric acid (HCl). Trip blanks were stored in associated coolers while the groundwater samples were collected. VOCs, including tetrachloroethene and 1,1-dichloroethene, were detected in two trip blanks collected during the annual sampling..

Groundwater Treatment System for RGRP Systems N101 and S101

A total of 130 system samples, including 27 field duplicates were collected from the Regional Groundwater Program's North of Highway 101 (N101) and South of Highway 101 (S101) groundwater treatment systems throughout the year. The following laboratory analyses were conducted:

- Halogenated VOCs by U.S. EPA Method 8260B (87 samples)
- 1,4-Dioxane by U.S. EPA Method 8270C, selected ion monitoring (SIM) (31 samples)
- Acute toxicity of effluents to freshwater and marine organisms by Method EPA-821-R-02-012 (2 samples)
- Turbidity by U.S. EPA Method 180.1 (2 samples)
- Metals by U.S. EPA Method 200.8 (8 samples)

The samples were collected, stored, transported, and managed according to USEPA protocols based on Weiss' review of field and laboratory documentation. The laboratories reported that sample temperature and holding times were within acceptable ranges. Custody seals were used for each set of samples as specified by the QAPP. Tables 1 and 2 summarize the conformance with sampling and analytical QA/QC methods, respectively. Tables 3a through 3d summarize the results of the QC samples collected during the 2011 annual groundwater sampling event.

The treatment system samples were imported into the database as 2,895 individual results. No data were rejected during the validation process, and "J" qualification was applied to 10 sample results. Tables 1 and 2 summarize the conformance with sampling and analytical QA/QC methods, respectively.

Table -1. Summary of Conformance with Sampling QA/QC Methods for Water Samples Collected in 2011, MEW RGRP, North of 101 and South of 101 Treatment Systems, Mountain View, California.

Sampling consultant (Firm name/address/contact/phone):	Weiss Associates 453 Ravendale Drive, Suite C Mountain View, CA 94043 Alok D. Kolekar (650) 968-7000
Chain-of-custody forms completed for all samples?	YES
Field parameters stabilized prior to taking sample?	YES[1]
Headspace in sample containers < 6mm (applicable to VOCs only)?	NO[2]
Samples preserved according to analytical method?	YES
Required field QA/QC samples taken?	YES

Explain any "NO" answers:

1 Headspace was observed by C&T in several samples, notably in samples collected from extraction wells.

Table -2. Summary of Conformance with Analytical QA/QC Methods for Water Samples Collected in 2011, MEW RGRP, North of 101 and South of 101 Treatment Systems, Mountain View, California.

Analytical Laboratories (Lab name/address/ phone):	Curtis and Tompkins 2323 Fifth Street Berkeley, CA 94710 Phone: (510) 486-0900 Kiff Analytical LLC 2795 Second Street, Suite 300 Davis, CA 95618 Phone: (530) 297 4800 Test America, San Francisco Laboratory 1220 Quarry Lane Pleasanton, CA 94566 Phone: (925)484.1919 Block Environmental Services, Inc. 2451 Estand Way Pleasant Hill, CA 94523 Phone: (925) 682-7200
Are the labs state-certified for the above analytical methods?	YES
Analyses performed according to standard methods?	YES
Sample holding times met?	YES
Analytical results reported for all values above reporting limits?	YES
QA/QC analyses run consistent with analytical methods?	YES
QA/QC results meet all acceptance criteria?	YES
QA/QC results and acceptance criteria on file?	YES

Explain any “NO” answers:

Table 3a. Summary of Results for Duplicate Samples Collected During the 2011 MEW Annual Sampling Event

Sampling Company	Location	Sample Date	Lab/Method	TCE (μg/L)	Relative Percent Difference	Total Organics (μg/L)	Relative Percent Difference
Weiss	RW-11(B1)	9/2/2011	CT/8260	95		140.9	
Weiss	RW-11(B1) (DUP)	9/2/2011	CT/8260	96	1	143	1
Weiss	RW-2A	9/2/2011	CT/8260	240		335.6	
Weiss	RW-2A (DUP)	9/2/2011	CT/8260	230	2	332.4	0
Weiss	115B1	9/16/2011	CT/8260	9100		9731	
Weiss	115B1 (DUP)	9/16/2011	CT/8260	9100	0	9721	0
Navy	14D39A	9/16/2011	TA/8260	<10		0	
Navy	14D39A (DUP)	9/16/2011	TA/8260	<10	NC	0	NC
Weiss	60B1	9/16/2011	CT/8260	2500		2850	
Weiss	60B1 (DUP)	9/16/2011	CT/8260	2800	6	3311.4	7
Weiss	RW-11A	9/16/2011	CT/8260	1600		2017	
Weiss	RW-11A (DUP)	9/16/2011	CT/8260	1600	0	2050	1
Navy	W56-2	9/16/2011	TA/8260	0.44		121.92	
Navy	W56-2 (DUP)	9/16/2011	TA/8260	0.48	4	114.96	3
Navy	14D36A	9/19/2011	TA/8260	13		64.96	
Navy	14D36A (DUP)	9/19/2011	TA/8260	14	4	66.33	1
Navy	W29-5	9/19/2011	TA/8260	<10		288.9	
Navy	W29-5 (DUP)	9/19/2011	TA/8260	<10	NC	292.3	1
Navy	W88-1	9/19/2011	TA/8260	3600		12016	
Navy	W88-1 (DUP)	9/19/2011	TA/8260	3800	3	12544	2
Navy	EA1-1	9/20/2011	TA/8260	92		436.71	
Navy	EA1-1 (DUP)	9/20/2011	TA/8260	94	1	429.9	1
Navy	EA1-2	9/20/2011	TA/8260	69		120.35	
Navy	EA1-2 (DUP)	9/20/2011	TA/8260	67	1	113.26	3
Navy	WU4-14	9/20/2011	TA/8260	3.6		555.3	
Navy	WU4-14 (DUP)	9/20/2011	TA/8260	4.2	8	547.2	1
Weiss	152A	9/21/2011	CT/8260	330		962.6	
Weiss	152A (DUP)	9/21/2011	CT/8260	330	0	975.5	1
Weiss	92B1	9/21/2011	CT/8260	98		101.9	
Weiss	92B1 (DUP)	9/21/2011	CT/8260	93	3	96.8	3
Raytheon/Locus	R41B2	9/21/2011	CT/8260	54		55.5	
Raytheon/Locus	R41B2 (DUP)	9/21/2011	CT/8260	54	0	55.5	0
Navy	W7-10	9/21/2011	TA/8260	13		53.16	
Navy	W7-10 (DUP)	9/21/2011	TA/8260	13	0	54.28	1
Navy	WU5-14	9/21/2011	TA/8260	0.97		21.2	
Navy	WU5-14 (DUP)	9/21/2011	TA/8260	1.1	6	19.25	5
Navy	WU5-20	9/21/2011	TA/8260	1.3		13.38	
Navy	WU5-20 (DUP)	9/21/2011	TA/8260	1.1	8	44.42	54
Navy	EXW-3	9/22/2011	TA/8260	10		21.08	
Navy	EXW-3 (DUP)	9/22/2011	TA/8260	9.8	1	20.8	1
Navy	WU5-17	9/22/2011	TA/8260	8.6		10.69	
Navy	WU5-17 (DUP)	9/22/2011	TA/8260	8.8	1	10.2	2
Weiss	132B2	9/23/2011	CT/8260	0.5		0	
Weiss	132B2 (DUP)	9/23/2011	CT/8260	0.5	0	0	NC
Weiss	77B1	9/23/2011	CT/8260	1300		1620	
Weiss	77B1 (DUP)	9/23/2011	CT/8260	1600	10	1931	9
Weiss	1A	9/26/2011	CT/8260	110		143.9	
Weiss	1A (DUP)	9/26/2011	CT/8260	130	8	158.1	5
Weiss	ME2B1	9/26/2011	CT/8260	19		24.6	
Weiss	ME2B1 (DUP)	9/26/2011	CT/8260	19	0	24.5	0
Weiss	W14-5	9/27/2011	CT/8260	0.5		0	
Weiss	W14-5 (DUP)	9/27/2011	CT/8260	0.5	0	0.7	NC
Raytheon/Locus	R31A	9/29/2011	CT/8260	92		182.2	
Raytheon/Locus	R31A (DUP)	9/29/2011	CT/8260	71	13	139.1	13
Weiss	WT14-1	9/30/2011	CT/8260	0.5		4.5	
Weiss	WT14-1 (DUP)	9/30/2011	CT/8260	0.5	0	4.2	3
Weiss	REG-4A	10/5/2011	CT/8260	660		1029.3	
Weiss	REG-4A (DUP)	10/5/2011	CT/8260	660	0	1030.2	0

Table 3a. Summary of Results for Duplicate Samples Collected During the 2011 MEW Annual Sampling Event

Vishay	EX1	10/6/2011	CT/8260	2700		3627	
Vishay	EX1 (DUP)	10/6/2011	CT/8260	2400	6	3483	2
Raytheon	RE25A	10/6/2011	CT/8260	3700		5750	
Raytheon	RE25A (DUP)	10/6/2011	CT/8260	3700	0	5647	1
Vishay/AMEC	SIL12A	10/7/2011	CT/8260	380		599.6	
Vishay/AMEC	SIL12A (DUP)	10/7/2011	CT/8260	360	3	557.8	4
Intel/Weiss	IOW3A	10/17/2011	CT/8260	13		13.6	
Intel/Weiss	IOW3A (DUP)	10/17/2011	CT/8260	18	16	18.7	16
Intel/Weiss	IE10A	10/19/2011	CT/8260	1.3		122.1	
Intel/Weiss	IE10A (DUP)	10/19/2011	CT/8260	1.3	0	135.2	5
Intel/Weiss	PW-2	10/19/2011	CT/8260	0.5		23	
Intel/Weiss	PW-2 (DUP)	10/19/2011	CT/8260	0.5	0	25.6	5
Raytheon	RE9A	10/20/2011	CT/8260	26000		66300	
Raytheon	RE9A (DUP)	10/20/2011	CT/8260	26000	0	71470	4
Raytheon	24A	10/21/2011	CT/8260	1600		3114	
Raytheon	24A (DUP)	10/21/2011	CT/8260	2000	11	3500	6
Nec/Locus	NEC26A	10/25/2011	CT/8260	140		145.6	
Nec/Locus	NEC26A (DUP)	10/25/2011	CT/8260	160	7	165.4	6
SMI	SOPZ-1	10/25/2011	TA/8260	120		434.6	
SMI	SOPZ-1 (DUP)	10/25/2011	TA/8260	130	4	433.9	0

Metals

Sampling Company	Location	Sample Date	Lab/Method	Analyte	Units	Result	Relative Percent Difference
Vishay	SIL12A	07-Oct-11	CT/6010B	Antimony	µg/L	<10	
Vishay	SIL12A (DUP)	07-Oct-11	CT/6010B	Antimony	µg/L	<10	NC

Notes and Abbreviations:

< # = analyte not detected above the reported detection limit of "#"

CT = Curtis and Tompkins

DUP = duplicate

mg/L = milligrams per liter

NC = not calculated

ND = no analytes detected above reporting limits

TA = TA/8260rica

TCE = Trichloroethene

TPH = Total petroleum hydrocarbons

µg/L = micrograms per liter

Table 3b. Summary of Results for Rinseate Blank Samples Collected During the 2011 MEW Annual Sampling Event

Sample Name	Sampling Company	Sample Date	Lab/Method	Total VOCs (µg/L)	Notes
0911-045	Weiss	9/16/2011	CT/8260	ND	
0911-61	Weiss	9/16/2011	CT/8260	ND	
2011IR2801EB01	Navy	9/19/2011	TA/8260	ND	
2011IR2801EB02	Navy	9/20/2011	TA/8260	ND	
2011IR2801EB03	Navy	9/20/2011	TA/8260	ND	
0911-51	Weiss	9/21/2011	CT/8260	ND	
2011IR2601EB01	Navy	9/21/2011	TA/8260	ND	
2011IR2601EB02	Navy	9/22/2011	TA/8260	ND	
0911-053	Weiss	9/23/2011	CT/8260	ND	
0911-166	Weiss	9/23/2011	CT/8260	ND	
0911-133	Weiss	9/26/2011	CT/8260	ND	
0911-025	Weiss	9/28/2011	CT/8260	ND	
1011-019	Weiss	9/28/2011	CT/8260	ND	
0911-090	Weiss	10/3/2011	CT/8260	ND	
1011-094	Weiss	10/3/2011	CT/8260	ND	
1011-092	Weiss	10/4/2011	CT/8260	ND	
1011-053	Weiss	10/5/2011	CT/8260	ND	
1011-055	Weiss	10/5/2011	CT/8260	ND	
0911-201	Weiss	10/6/2011	CT/8260	ND	
0911-169	Weiss	10/6/2011	CT/8260	ND	
PB1-100611	Vishay	10/6/2011	CT/8260	ND	
PB2-100611	Vishay	10/6/2011	CT/8260	ND	
2011IR2801EB04	Navy	10/6/2011	TA/8260	ND	
PB-100711	Vishay/AMEC	10/7/2011	CT/8260	ND	
0911-224	Weiss	10/24/2011	CT/8260	ND	
EB-1	SMI	10/25/2011	TA/8260	2.1	chloroform

Notes and Abbreviations:

µg/L = micrograms per liter

CT = Curtis and Tompkins

ND = no analytes detected above reporting limits

TA = TestAmerica

VOCs = volatile organic compounds

Table 3c. Summary of Results for Field Blank Samples Collected During the 2011 MEW Annual Sampling Event

Sample Name	Sampling Company	Sample Date	Lab/Method	Total VOCs (μg/L)
0911-086	Weiss	9/2/2011	CT/8260	ND
0911-147	Weiss	9/9/2011	CT/8260	ND
0911-058	Weiss	9/15/2011	CT/8260	ND
0911-109	Weiss	9/16/2011	CT/8260	ND
2011IR2801SB01	Navy	9/19/2011	TA/8260	ND
2011IR2801FB01	Navy	9/19/2011	TA/8260	ND
0911-172	Weiss	9/20/2011	CT/8260	ND
FIELD BLANK	Raytheon/Locus	9/21/2011	CT/8260	ND
2011IR2601FB01	Navy	9/21/2011	TA/8260	ND
0911-128	Weiss	9/23/2011	CT/8260	ND
0911-104	Weiss	9/26/2011	CT/8260	ND
0911-010	Weiss	9/27/2011	CT/8260	ND
FIELD BLANK	Raytheon/Locus	9/29/2011	CT/8260	ND
1011-031	Weiss	10/4/2011	CT/8260	ND
1011-037	Weiss	10/4/2011	CT/8260	ND
1011-026	Weiss	10/5/2011	CT/8260	ND
1324110	Raytheon	10/6/2011	CT/8260	ND
FB2-100611	Vishay	10/6/2011	CT/8260	ND
FB-100711	Vishay/AMEC	10/7/2011	CT/8260	ND
FB1-100711	Vishay	10/7/2011	CT/8260	ND
1011-004	Weiss	10/12/2011	KIFF/8260	ND
1324515	Raytheon	10/20/2011	CT/8260	ND
1324712	Raytheon	10/21/2011	CT/8260	ND
0911-217	Weiss	10/24/2011	CT/8260	ND
1324906	Nec/Locus	10/25/2011	CT/8260	ND

Notes and Abbreviations:

μg/L = micrograms per liter
CT = Curtis and Tompkins
KIFF = Kiff Analytical
ND = no analytes detected above reporting limits
TA = TestAmerica
VOCs = volatile organic compounds

Table 3d. Summary of Results for Travel Blanks Collected During the 2011 MEW Annual Sampling Event

Sample Name	Sampling Company	Sample Date	Lab/Method	Total VOCs (µg/L)	Notes
TRAVEL BLANK	Weiss	9/1/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/2/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/2/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/8/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/9/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/9/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/9/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/9/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/15/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/16/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/16/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/16/2011	CT/8260	ND	
TRAVEL BLANK	Navy	9/16/2011	TA/8260	ND	
TRAVEL BLANK	Navy	9/19/2011	TA/8260	0.11	PCE = 0.11 µg/L
TRAVEL BLANK	Weiss	9/20/2011	CT/8260	ND	
TRAVEL BLANK	Raytheon/Locus	9/20/2011	CT/8260	ND	
TRAVEL BLANK	Navy	9/20/2011	TA/8260	ND	
TRAVEL BLANK	Weiss	9/21/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/21/2011	CT/8260	ND	
TRAVEL BLANK	Navy	9/21/2011	TA/8260	ND	
TRAVEL BLANK	Weiss	9/22/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/22/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/22/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/22/2011	CT/8260	ND	
TRAVEL BLANK	Raytheon/Locus	9/22/2011	CT/8260	ND	
TRAVEL BLANK	Navy	9/22/2011	TA/8260	1.82	1,1-DCE = 0.83 µg/L, other VOCs = 0.99 µg/L
TRAVEL BLANK	Weiss	9/23/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/23/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/23/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/26/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/26/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/26/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/26/2011	CT/8260	ND	
TRAVEL BLANK	Raytheon/Locus	9/26/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/27/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/27/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/27/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/28/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/28/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/28/2011	CT/8260	ND	
TRAVEL BLANK	Raytheon/Locus	9/29/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/29/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/30/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	9/30/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/3/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/3/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/3/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/4/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/4/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/4/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/5/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/5/2011	CT/8260	ND	
TRAVEL BLANK	Raytheon	10/6/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/6/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/6/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/6/2011	CT/8260	ND	
TRAVEL BLANK	Vishay	10/6/2011	CT/8260	ND	
TRAVEL BLANK	Navy	10/6/2011	TA/8260	ND	

Table 3d. Summary of Results for Travel Blanks Collected During the 2011 MEW Annual Sampling Event

Sample Name	Sampling Company	Sample Date	Lab/Method	Total VOCs (µg/L)	Notes
TRAVEL BLANK	Vishay/AMEC	10/7/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/11/2011	KIFF/8260	ND	
TRAVEL BLANK	Weiss	10/12/2011	KIFF/8260	ND	
TRAVEL BLANK	Raytheon	10/13/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/14/2011	KIFF/8260	ND	
TRAVEL BLANK	Weiss	10/14/2011	KIFF/8260	ND	
TRAVEL BLANK	Weiss	10/14/2011	CT/8260	ND	
TRAVEL BLANK	Raytheon	10/20/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/20/2011	CT/8260	ND	
TRAVEL BLANK	Raytheon	10/21/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/21/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/21/2011	CT/8260	ND	
TRAVEL BLANK	Nec/Locus	10/24/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/24/2011	CT/8260	ND	
TRAVEL BLANK	Weiss	10/25/2011	CT/8260	ND	
TRAVEL BLANK	SMI	10/25/2011	TA/8260	ND	

Notes and Abbreviations:

1,1-DCE = 1,1-dichloroethene
CT = Curtis and Tompkins
KIFF = Kiff Analytical
ND = no analytes detected above reporting limits
PCE = tetrachloroethene
TA = TestAmerica
VOCs = volatile organic compounds
µg/L = micrograms per liter

APPENDIX H

Annual Settlement Survey

Geosyntec consultants

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10 April 2012

Mr. Virgilio Cocianni
Schlumberger Oilfield Services
300 Schlumberger Drive
Sugar Land, Texas 77478

Subject: Geotechnical Review of 2011 Soil Settlement Survey Data Middlefield-Ellis-Whisman Regional Groundwater Remediation Program Site Mountain View, CA

Dear Mr. Cocianni:

Geosyntec Consultants (Geosyntec) has performed a geotechnical review of the 2011 soil settlement survey data collected from the Middlefield-Ellis-Whisman (MEW) Site in Mountain View, California. The purpose of this review is to evaluate whether recent survey data and associated groundwater elevation data indicate a relationship between soil settlements and groundwater withdrawals, and to update the conclusions reached in Geosyntec's "Geotechnical Review of 2010 Soil Settlement Survey Data"[1]. To this end, Geosyntec performed the following tasks:

- Review of available data relating to surveyed elevations and groundwater elevations at each of the established settlement monitoring points (SMPs); and
- Preparation of this technical letter summarizing our findings.

Ground settlement monitoring at the MEW site was performed by Kier & Wright Civil Engineers & Surveyors, Inc. (Kier and Wright) which collected elevation data at the 12 SMPs (see attached Figure 1 for locations). Elevation measuring points for SMP-1 through SMP-12 were established on existing well casings, corresponding to monitoring and extraction well numbers 106A, 99A, 153A, RW-25A, R32A, 63A, 75A, 85A, REG-9A, 86A, 88A, and REG-6A

[1] Geosyntec, "Geotechnical Review of 2010 Soil Settlement Survey Data, Middlefield-Ellis-Whisman Regional Groundwater Remediation Program Site, Mountain View, CA" June 2011.

respectively. Baseline surveys were performed in January (SMP-1 through 5), August (SMP-6 through 9 and 11), and December (SMP-12) of 1998. Limited historical data is available at SMP-10 for which the baseline measurement was performed in December of 2008. All elevation data is controlled by the City of Mountain View Vertical Control Benchmark No. 111-46. The benchmark and settlement monitoring point locations are illustrated in Figure 1.

In May 2009, prior to our review of 2008 survey data, a representative of Geosyntec visited the site to inspect the area near the 12 SMPs for signs of settlement. There were no distinct signs of settlement observed. Findings are detailed in the "Geotechnical Review of 2008 Soil Settlement Survey Data" by Geosyntec[2].

SMP SURVEY DATA

Table 1 summarizes the historical settlement survey data collected at each SMP since the baseline measurements in 1998. SMP-10 was compared to its baseline measurement in December of 2008. In addition, the reference elevation for SMP-7 was reestablished in 2004, and as such the calculated elevation change for SMP-7 is based on the sum of change between 2003 and 1998, and the change between 2011 and 2004. The elevation changes at the SMPs between 2011 and 1998 range from 0.24 inches of settlement to 1.32 inches of settlement. The elevation changes at the SMPs between 2011 and 2004, when RMT produced the last soil settlement survey summary prior to Geosyntec's June 2009 review[2], range from 0.24 inches of heave (i.e. increase in elevation) to 0.60 inches of settlement.

Figure 2 shows a plot of the relative change in elevation vs. time for each SMP from the baseline records through the recent December 2011 measurements. The figure and Table 1 show a settlement of generally less than or equal to 0.12 inches across most of the SMPs between December 2010 and December 2011, with many of the monitoring points showing no change in elevation over that time period. As discussed in the 2009 Geosyntec report[2], there is an indication of a settlement event between December 2002 and December 2003, where most SMPs dropped on the order of 0.6 inches. Based on discussions with Kier and Wright, the December

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[2] Geosyntec, "Geotechnical Review of 2008 Soil Settlement Survey Data, Middlefield-Ellis-Whisman Regional Groundwater Remediation Program Site, Mountain View, CA" June 2009.

2003 settlement monitoring survey data was collected by a different firm, and they were not able to provide additional information as to why this shift may have occurred.

It is possible that there have been changes in the elevation of the City of Mountain View Vertical Control Benchmark No. 111-46, which we understand has been used throughout the survey period, but based on communication with the City of Mountain View Public Works Department, the elevation of Benchmark No. 111-46 has not been updated since 1999, and the city has no current plans to update this benchmark.

GROUNDWATER ELEVATION DATA

Figure 3 illustrates the relative changes in groundwater elevations at the 12 SMPs with respect to the baseline records. Water table fluctuations at these SMPs appear to be fairly limited within an approximate 3 ft band since the baseline, with the exception of SMP-9, SMP-11, and SMP-12. SMP-9 (Well No. REG-9A) is a groundwater extraction well that shows a decreasing trend (approximately 2.5-ft drop in water level) over the last several groundwater level readings, possibly related to groundwater extraction near the time of the measurements. However, Figure 2 shows that there has not been significant settlement at SMP-9 over that time period. SMP-11 (Well No. 88A) is a monitoring well and the water level in this well has been noted as anomalous in the MEW RGRP Annual Progress Reports for 2009 and 2010. SMP-12 (Well No. REG-6A) is an extraction well with variable pumping rates which likely explains the variability at that location. As discussed in the 2009 Geosyntec report, the data in Figure 3 does not show significant groundwater table fluctuations associated with the December 2002 to December 2003 apparent settlement shown in Figure 2. This indicates that groundwater extraction at the MEW Site is not a likely cause for the apparent elevation changes over that time period.

CONCLUSION

Geosyntec's review of the recent survey and groundwater elevation information for the 12 SMPs has shown evidence of some historical settlement, but very little settlement was observed between 2010 and 2011. Historical trends, along with field observations in 2009, indicate that no significant settlement is occurring as a result of groundwater extraction operations.

The survey data indicates that changes in elevation across this very large site over the past 12 years are relatively uniform. The majority of the SMPs settle or heave at similar rates in any given year. While there may be others, the most likely causes of this relatively uniform behavior are:

- regional settlement or heave, possibly from regional groundwater table fluctuations;
- settlement or heave occurring at the location of the benchmark; or
- a combination of both of the above.

Settlement induced distress is typically associated with non-uniform settlements or localized differential settlements across a building footprint. As the data do not indicate a pattern of differential settlement, we do not anticipate that recent groundwater extraction has had a significant impact on performance of the site facilities. In the absence of a change in pumping rates or other factors that may affect settlement, we do not anticipate that the current pumping program will have impacts on settlement. Consistent with this finding, if pumping is maintained at current rates, Geosyntec considers that future monitoring can be reduced to every two years, with the possibility for future reductions in monitoring frequency if the observed trends remain consistent.

If you have any questions regarding this report, please call the undersigned at (510) 836-3034.

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER E. HUNT
C 63283
EXP. 6/2012
CIVIL
STATE OF CALIFORNIA

Sincerely,

Christopher Hunt, PhD, PE, GE
Associate

Attachments: Table 1
Figures 1, 2 and 3
Kier and Wright Well Survey – December 2011

Cc: John Gallinatti (Geosyntec)

Table 1: Soil Settlement Survey Data, MEW Site, Mountain View, California

Settlement Monitoring Point[1]		SMP-1	SMP-2	SMP-3	SMP-4	SMP-5	SMP-6	SMP-7 [2]	SMP-8	SMP-9	SMP-10 [3]	SMP-11	SMP-12 [4]
Corresponding Well Name		106-A	99-A	153-A	RW-25A	R32-A	63A	75A	85A	REG-9A	86A	88A	REG-6A
Elevation (feet)	1/9/1998	49.31	48.35	45.73	38.37	35.61	----	----	----	----	----	----	----
	02/19/98	49.29	48.33	45.73	38.38	35.63	----	----	----	----	----	----	----
	06/15/98	49.29	48.35	45.73	38.38	35.65	----	----	----	----	----	----	----
	08/31/98	----	----	----	----	----	33.77	30.44	27.87	24.23	----	20.29	----
	12/10/98	----	----	----	----	----	33.74	30.40	27.83	24.18	----	20.24	13.52
	12/18/98	49.27	48.32	45.71	38.38	35.92	----	----	----	----	----	----	----
	06/15/99	----	----	----	----	----	33.77	30.43	27.85	24.2	----	20.26	13.54
	12/15/99	49.29	48.34	45.73	38.38	35.63	33.76	30.43	27.86	24.20	----	20.26	13.53
	12/15/00	49.27	48.33	45.72	38.35	35.65	33.76	30.43	27.86	21.18	----	20.26	13.53
	01/17/02	49.25	48.29	45.72	38.36	35.63	33.77	30.43	27.86	24.19	----	20.26	13.53
	12/09/02	49.25	48.30	45.72	38.32	35.64	33.77	30.43	27.86	24.18	----	20.26	13.51
	12/22/03	49.20	48.25	45.68	38.30	35.59	33.72	30.38	27.82	24.14	----	20.21	13.47
	12/22/04	49.19	48.25	45.67	38.30	35.59	33.70	30.00	27.80	24.15	----	20.22	13.48
	01/08/07	49.19	48.24	45.68	38.31	35.57	33.72	29.96	27.80	24.13	----	20.20	----
	02/13/08	49.21	48.24	45.66	38.29	35.57	33.71	29.96	27.78	24.13	----	20.20	----
	12/17/08	49.22	48.26	45.70	38.32	35.61	33.72	29.97	27.81	24.14	21.63	20.21	13.45
	12/01/09	49.20	48.27	45.68	38.31	35.59	33.71	29.95	27.80	24.12	21.61	20.19	13.45
	12/01/10	49.20	48.26	45.68	38.31	35.60	33.71	29.95	27.79	24.12	21.61	20.20	13.45
	12/09/11	49.20	48.26	45.69	38.31	35.59	33.71	29.95	27.80	24.12	21.61	20.20	13.45
Elevation Change (2011 - 1998) [5]	feet	-0.11	-0.09	-0.04	-0.06	-0.02	-0.06	-0.11	-0.07	-0.11	----	-0.09	-0.07
	inches	-1.32	-1.08	-0.48	-0.72	-0.24	-0.72	-1.32	-0.84	-1.32	----	-1.08	-0.84
Elevation Change (2011 - 2004) [6]	feet	0.01	0.01	0.02	0.01	0.00	0.01	-0.05	0.00	-0.03	----	-0.02	-0.03
	inches	0.12	0.12	0.24	0.12	0.00	0.12	-0.60	0.00	-0.36	----	-0.24	-0.36
Elevation Change (2011- 2010) [7]	feet	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
	inches	0.00	0.00	0.12	0.00	-0.12	0.00	0.00	0.12	0.00	0.00	0.00	0.00

Notes and Abbreviations:

All surveys conducted by Kier and Wright Civil Engineers & Surveyors, Inc. (except 12/2003). Survey data is accurate to plus or minus 0.01 foot, using City of Mountain View vertical control (revised April 1999) benchmark No. 111-46, located at the intersection of Leong Drive and Evandale Avenue. Elevation = 38.287' (NGVD29 US ft.)

Soil settlement data was not collected in 2005 and 2006.

1 = Baseline survey elevations for the survey monitoring points were measured as follows:

01/09/98 SMP-1 through SMP-5
08/31/98 SMP-6 through SMP-9 and SMP-11
12/17/08 SMP-10
12/10/98 SMP-12

2 = The well casing for monitoring survey point SMP-7 was found broken in 2004, and a new reference elevation was established.

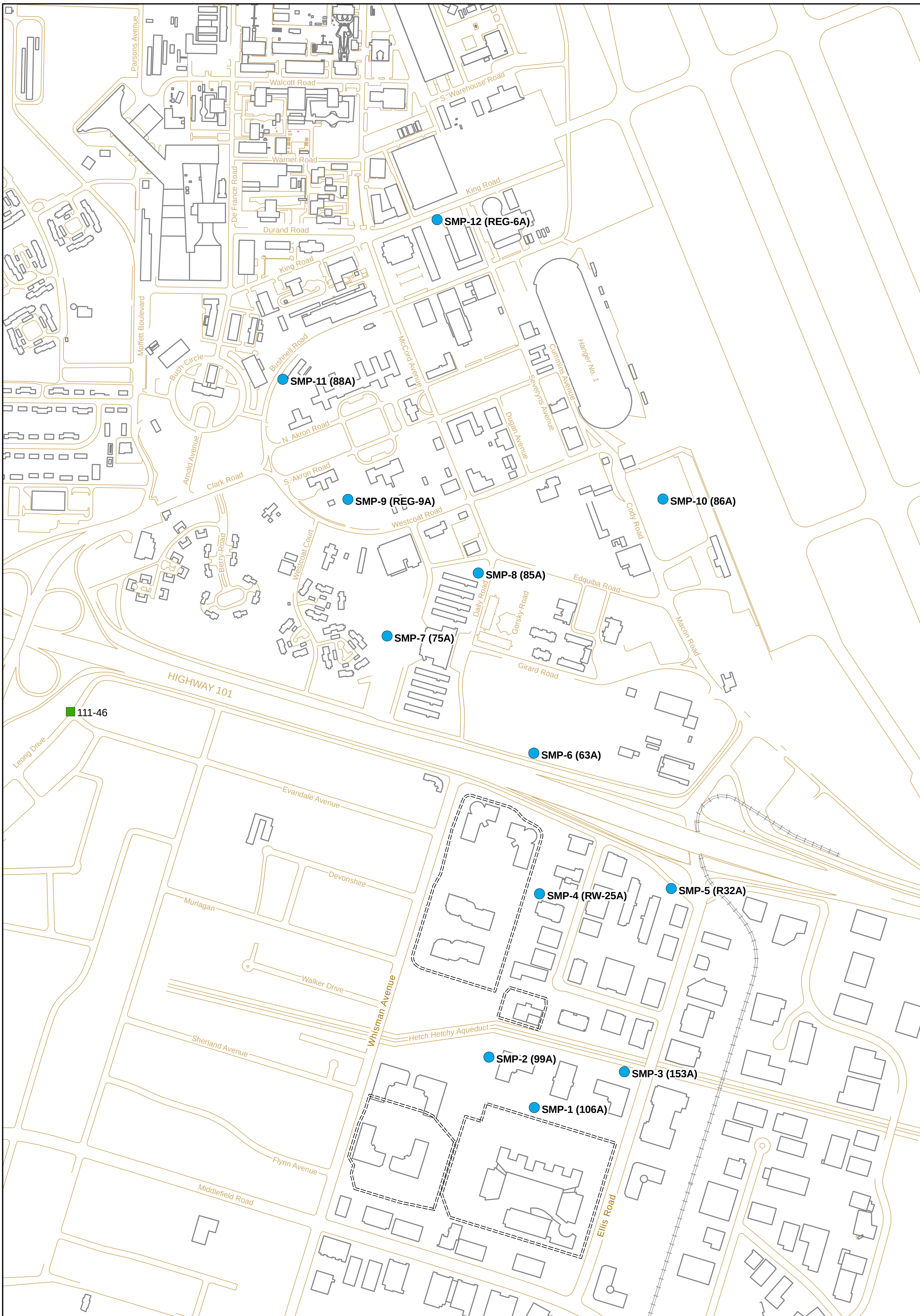
3 = Historical survey data is not available for SMP-10 and all previous settlement reporting have indicated no data for this well. SMP-10 was first surveyed on 12/17/08.

4 = Survey monitoring point SMP-12 was not measured in 01/07 and 02/08 due to inaccessability of the vault.

5 = Relative change in elevation between December 2011 measurements and baseline measurements in 1998.

6 = Relative change in elevation between December 2011 measurements and December 2004 measurements.

7 = Relative change in elevation between December 2011 measurements and December 2010 measurements.



Legend

- Settlement Monitoring Point Location (Well Name)
- City of Mountain View Survey Benchmark
- SlurryWall
- Building
- Road
- VTA Light Rail

N

Feet
0 300 600

Figure 1
Settlement Monitoring Point Locations

MEW - Regional Groundwater Remediation Program
Mountain View, California

Project WR1128	June 2011	Geosyntec consultants

P:\GIS\MEW\Project\Regional\2010_AR\SMP.mxd

Figure 2 - SMP Relative Change in Elevation vs Time
MEW Site, Mountain View, CA

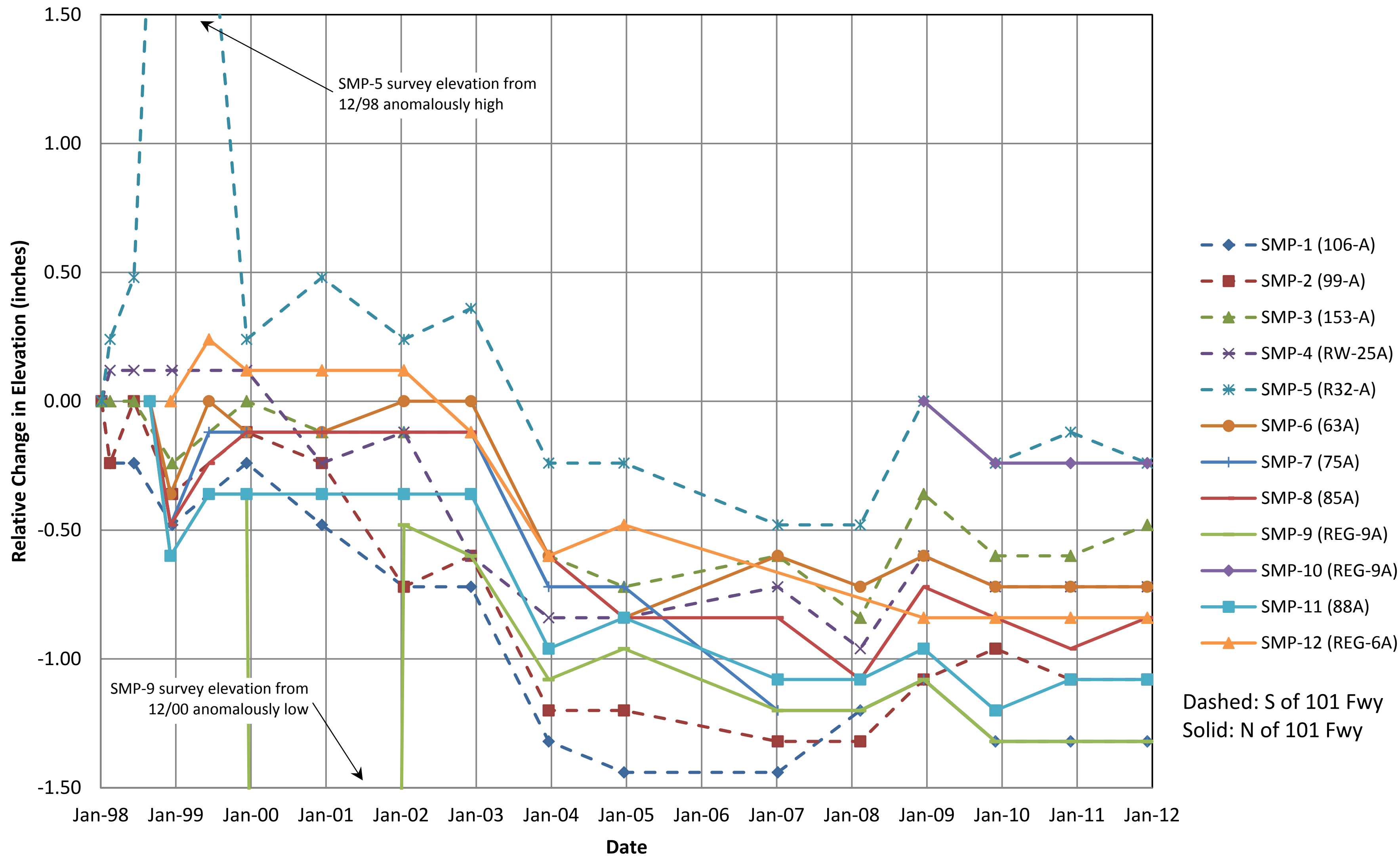
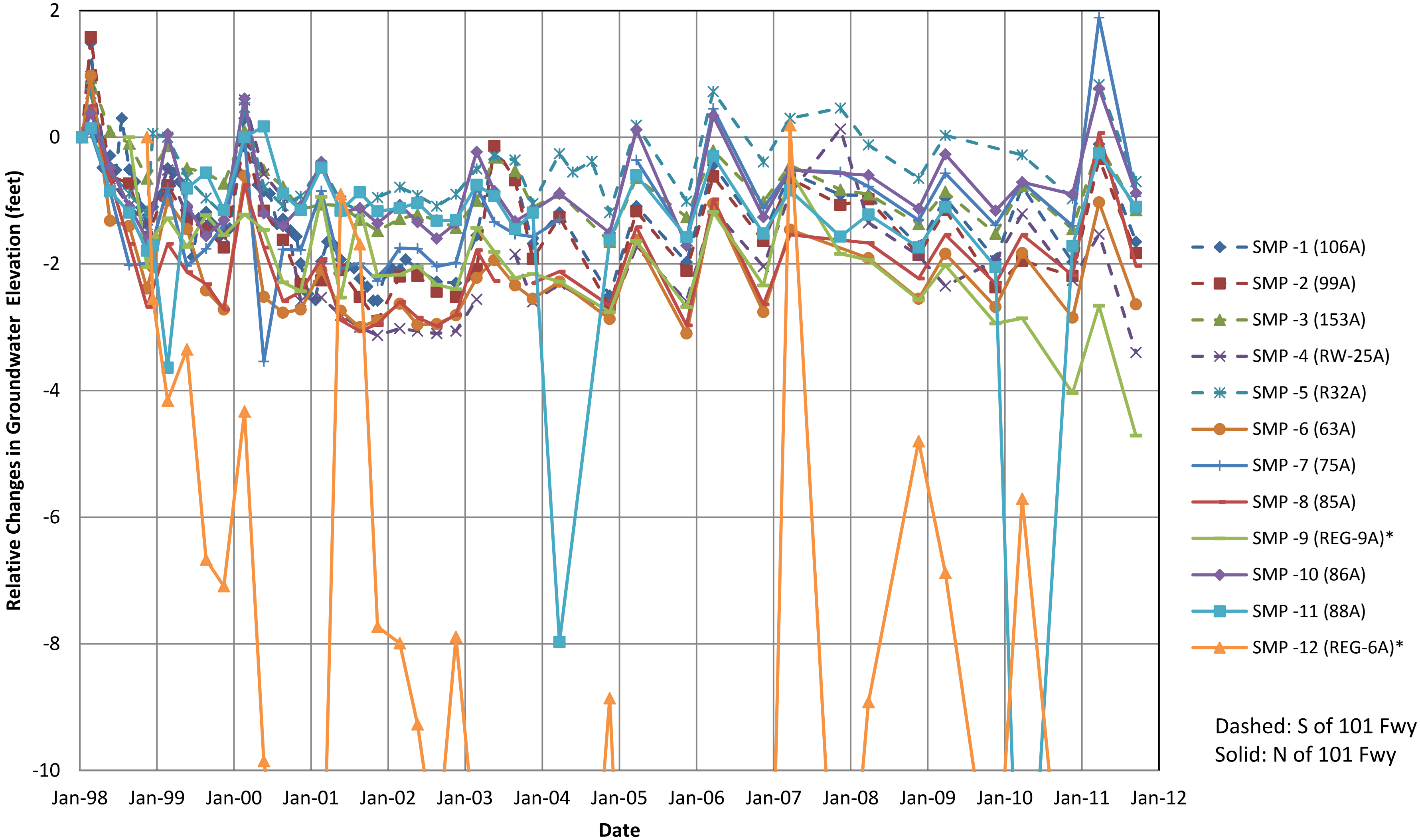


Figure 3 - SMP Relative Changes in Groundwater Elevation from 1998 Baseline
MEW Site, Mountain View, CA



* Groundwater Extraction Well

Kier and Wright Well Survey

December 2011

Kier and Wright
Civil Engineers and Surveyors
Job No. 99252-16

Well Survey
MEW and N101 Sites
Mountain View, CA
For: Weiss Associates

December 14, 2011
Date Of Survey : December 09, 2011

DESIGNATION	DESCRIPTION	ELEVATION
106A	Cut "X" on North Rim of Well	49.43
SMP-1	Notch at North Side PVC in Well	49.2
99A	Cut "X" on North Rim of Well	48.52
SMP-2	Punch at North Side PVC in Well	48.26
153A	Cut "X" on North Rim of Well	46.02
SMP-3	Punch at North Side PVC in Well	45.69
RW-25A	East Rim of Vault	39.61
SMP-4	Punch at West Side PVC in Vault	38.31
R32A	Cut "X" on North Rim of Box	36.13
SMP-5	Punch at West Side PVC in Box	35.59
63A	Cut "X" on North Rim of Well	34.09
SMP-6	Punch at South Side PVC in Well	33.71
75A	Cut "X" on North Rim of Well	30.3
SMP-7	Punch at East Side PVC in Well	29.95
85A	Cut "X" on North Rim of Well	28.45
SMP-8	Punch at North Side PVC in Well	27.8
REG-9A	Top Centerline of Box	25.48
SMP-9	Punch at East Side PVC in Box	24.12
86A	Cut "X" on North Rim of Well	21.94
SMP-10	Punch at South Side PVC in Well	21.61
88A	Cut "X" on North Rim of Well	21.01
SMP-11	Punch at North Side PVC in Well	20.2
REG-6A	Top Centerline of Box	13.87
SMP-12	Punch at North Side Steel Pipe in Well	13.45

Benchmark: City of Mountain View Vertical Control (revised April 1999) No. 111-46.
A Brass Disc in the westerly top of curb on Leong Drive at Evandale Avenue.
Elevation = 38.287' (NGVD29 US ft.)

APPENDIX I

Groundwater Elevations – RGRP Wells
January through December 2011

Table I-1
Groundwater Elevation Data - RGRP Wells - January through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
A/A1 Zone						
65A	Fairchild (North of 101)	3/24/2011	28.04	7.08	20.96	Weiss
65A	Fairchild (North of 101)	9/15/2011	28.04	8.82	19.22	Weiss
72A	Fairchild (North of 101)	3/24/2011	32.82	5.00	27.82	Weiss
72A	Fairchild (North of 101)	9/15/2011	32.82	7.58	25.24	Weiss
73A	Fairchild (North of 101)	3/24/2011	21.62	3.96	17.66	Weiss
73A	Fairchild (North of 101)	9/15/2011	21.62	4.64	16.98	Weiss
74A	Fairchild (North of 101)	3/24/2011	27.96	6.04	21.92	Weiss
74A	Fairchild (North of 101)	9/15/2011	27.96	8.40	19.56	Weiss
75A	Fairchild (North of 101)	3/24/2011	30.43	4.17	26.26	Weiss
75A	Fairchild (North of 101)	9/15/2011	30.43	6.99	23.44	Weiss
81A	Fairchild (North of 101)	3/24/2011	21.89	4.02	17.87	Weiss
81A	Fairchild (North of 101)	9/15/2011	21.89	5.48	16.41	Weiss
82A	Fairchild (North of 101)	3/24/2011	27.69	7.90	19.79	Weiss
82A	Fairchild (North of 101)	9/15/2011	27.69	9.95	17.74	Weiss
88A	Fairchild (North of 101)	3/24/2011	20.26	5.23	15.03	Weiss
88A	Fairchild (North of 101)	9/15/2011	20.26	6.08	14.18	Weiss
89A	Fairchild (North of 101)	3/24/2011	17.20	5.95	11.25	Weiss
89A	Fairchild (North of 101)	9/15/2011	17.20	7.58	9.62	Weiss
92A	Fairchild (North of 101)	3/24/2011	6.67	4.89	1.78	Weiss
92A	Fairchild (North of 101)	9/15/2011	6.67	6.70	-0.03	Weiss
93A	Fairchild (North of 101)	3/24/2011	5.90	6.92	-1.02	Weiss
93A	Fairchild (North of 101)	9/15/2011	5.90	7.69	-1.79	Weiss
95A	Fairchild (North of 101)	3/24/2011	6.65	6.30	0.35	Weiss
95A	Fairchild (North of 101)	9/15/2011	6.65	7.47	-0.82	Weiss
1A	Fairchild (South of 101)	3/24/2011	58.75	13.89	44.86	Weiss
1A	Fairchild (South of 101)	9/15/2011	58.75	14.85	43.90	Weiss
20A	Fairchild (South of 101)	3/24/2011	51.37	NM	NM	Weiss
20A	Fairchild (South of 101)	9/15/2011	51.37	10.11	41.26	Weiss
21A	Fairchild (South of 101)	3/24/2011	53.76	15.71	38.05	Weiss
21A	Fairchild (South of 101)	9/15/2011	53.76	17.07	36.69	Weiss
23A	Fairchild (South of 101)	3/24/2011	50.56	14.52	36.04	Weiss
23A	Fairchild (South of 101)	9/15/2011	50.56	15.50	35.06	Weiss
26A	Fairchild (South of 101)	3/24/2011	47.20	9.00	38.20	Weiss
26A	Fairchild (South of 101)	9/15/2011	47.20	9.82	37.38	Weiss
29A	Fairchild (South of 101)	3/24/2011	46.08	10.43	35.65	Weiss
29A	Fairchild (South of 101)	9/15/2011	46.08	11.47	34.61	Weiss
45A	Fairchild (South of 101)	3/24/2011	43.70	9.95	33.75	Weiss
45A	Fairchild (South of 101)	9/15/2011	43.70	11.21	32.49	Weiss
61A	Fairchild (South of 101)	3/24/2011	37.18	9.00	28.18	Weiss
61A	Fairchild (South of 101)	9/15/2011	37.18	10.78	26.40	Weiss

Table I-1
Groundwater Elevation Data - RGRP Wells - January through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
62A	Fairchild (South of 101)	3/24/2011	37.88	12.90	24.98	Weiss
62A	Fairchild (South of 101)	9/15/2011	37.88	14.26	23.62	Weiss
77A	Fairchild (South of 101)	3/24/2011	52.59	11.19	41.40	Weiss
77A	Fairchild (South of 101)	9/15/2011	52.59	13.10	39.49	Weiss
78A	Fairchild (South of 101)	3/24/2011	46.44	10.22	36.22	Weiss
78A	Fairchild (South of 101)	9/15/2011	46.44	11.50	34.94	Weiss
79A	Fairchild (South of 101)	3/24/2011	36.61	7.65	28.96	Weiss
79A	Fairchild (South of 101)	9/15/2011	36.61	9.75	26.86	Weiss
99A	Fairchild (South of 101)	3/24/2011	48.33	12.91	35.42	Weiss
99A	Fairchild (South of 101)	9/15/2011	48.33	14.40	33.93	Weiss
109A	Fairchild (South of 101)	3/24/2011	41.61	9.79	31.82	Vishay/GeoMatrix
109A	Fairchild (South of 101)	9/15/2011	41.61	11.09	30.52	Vishay/GeoMatrix
134A	Fairchild (South of 101)	3/24/2011	53.44	12.37	41.07	Weiss
134A	Fairchild (South of 101)	5/26/2011	53.44	13.55	39.89	Weiss
134A	Fairchild (South of 101)	9/15/2011	53.44	14.30	39.14	Weiss
134A	Fairchild (South of 101)	11/10/2011	53.44	14.72	38.72	Weiss
142A	Fairchild (South of 101)	3/24/2011	57.30	11.48	45.82	Weiss
142A	Fairchild (South of 101)	5/26/2011	57.3	11.61	45.69	Weiss
142A	Fairchild (South of 101)	9/15/2011	57.30	12.22	45.08	Weiss
142A	Fairchild (South of 101)	11/10/2011	57.3	12.51	44.79	Weiss
144A	Fairchild (South of 101)	3/24/2011	59.41	16.00	43.41	Weiss
144A	Fairchild (South of 101)	9/15/2011	59.41	16.60	42.81	Weiss
153A	Fairchild (South of 101)	3/24/2011	45.72	10.14	35.58	Weiss
153A	Fairchild (South of 101)	9/15/2011	45.72	11.18	34.54	Weiss
162A	Fairchild (South of 101)	3/24/2011	36.47	7.40	29.07	Weiss
162A	Fairchild (South of 101)	9/15/2011	36.47	9.31	27.16	Weiss
173A	Fairchild (South of 101)	3/24/2011	50.87	11.21	39.66	Weiss
173A	Fairchild (South of 101)	5/26/2011	50.87	12.35	38.52	Weiss
173A	Fairchild (South of 101)	9/15/2011	50.87	13.58	37.29	Weiss
173A	Fairchild (South of 101)	11/10/2011	50.87	14	36.87	Weiss
IM9A	Intel (South of 101)	3/24/2011	64.66	18.02	46.64	Intel/Weiss
IM9A	Intel (South of 101)	9/15/2011	64.66	18.82	45.84	Intel/Weiss
REG-2A	MEW RGRP (North of 101)	3/24/2011	32.33	11.02	21.31	Weiss
REG-2A	MEW RGRP (North of 101)	9/15/2011	32.33	17.35	14.98	Weiss
REG-3A	MEW RGRP (North of 101)	3/24/2011	24.26	14.31	9.95	Weiss
REG-3A	MEW RGRP (North of 101)	9/15/2011	24.26	16.74	7.52	Weiss
REG-4A	MEW RGRP (North of 101)	3/24/2011	25.22	21.18	4.04	Weiss
REG-4A	MEW RGRP (North of 101)	9/15/2011	25.22	19.83	5.39	Weiss
REG-5A	MEW RGRP (North of 101)	3/24/2011	29.40	21.01	8.39	Weiss
REG-5A	MEW RGRP (North of 101)	9/15/2011	29.40	17.78	11.62	Weiss
REG-6A	MEW RGRP (North of 101)	3/24/2011	13.53	18.64	-5.11	Weiss

Table I-1

Groundwater Elevation Data - RGRP Wells - January through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
REG-6A	MEW RGRP (North of 101)	9/15/2011	13.53	21.28	-7.75	Weiss
REG-7A	MEW RGRP (North of 101)	3/24/2011	17.11	16.72	0.39	Weiss
REG-7A	MEW RGRP (North of 101)	9/15/2011	17.11	18.58	-1.47	Weiss
REG-8A	MEW RGRP (North of 101)	3/24/2011	28.72	10.50	18.22	Weiss
REG-8A	MEW RGRP (North of 101)	9/15/2011	28.72	13.67	15.05	Weiss
REG-9A	MEW RGRP (North of 101)	3/24/2011	24.18	8.00	16.18	Weiss
REG-9A	MEW RGRP (North of 101)	9/15/2011	24.18	10.05	14.13	Weiss
W89-03A-R	MEW RGRP (North of 101)	3/24/2011	33.23	4.24	28.99	Weiss
W89-03A-R	MEW RGRP (North of 101)	9/15/2011	33.23	5.86	27.37	Weiss
W89-04A-R	MEW RGRP (North of 101)	3/24/2011	33.25	3.45	29.80	Weiss
W89-04A-R	MEW RGRP (North of 101)	9/15/2011	33.25	4.25	29.00	Weiss
REG-1A	MEW RGRP (South of 101)	3/24/2011	35.60	11.34	24.26	Weiss
REG-1A	MEW RGRP (South of 101)	9/15/2011	35.60	13.20	22.40	Weiss
REG-10A	MEW RGRP (South of 101)	3/24/2011	34.83	19.52	15.31	Weiss
REG-10A	MEW RGRP (South of 101)	9/15/2011	34.83	23.40	11.43	Weiss
REG-11A	MEW RGRP (South of 101)	3/24/2011	35.15	11.45	23.70	Weiss
REG-11A	MEW RGRP (South of 101)	9/15/2011	35.15	14.10	21.05	Weiss
REG-12A	MEW RGRP (South of 101)	3/24/2011	38.04	9.72	28.32	Weiss
REG-12A	MEW RGRP (South of 101)	9/15/2011	38.04	11.46	26.58	Weiss
REG-MW-1A	MEW RGRP (South of 101)	3/24/2011	41.00	11.04	29.96	Weiss
REG-MW-1A	MEW RGRP (South of 101)	9/15/2011	41.00	12.68	28.32	Weiss
REG-MW-2A	MEW RGRP (South of 101)	3/24/2011	38.11	10.27	27.84	Weiss
REG-MW-2A	MEW RGRP (South of 101)	9/15/2011	38.11	11.55	26.56	Weiss
RW-9A	MEW RGRP (South of 101)	3/24/2011	37.83	15.26	22.57	Weiss
RW-9A	MEW RGRP (South of 101)	9/15/2011	37.83	18.18	19.65	Weiss
14D02A	NASA (North of 101)	3/24/2011	10.15	4.43	5.72	NASA
14D02A	NASA (North of 101)	9/15/2011	10.15	7.32	2.83	NASA
14D09A	NASA (North of 101)	3/24/2011	15.81	7.67	8.14	NASA
14D09A	NASA (North of 101)	9/15/2011	15.81	9.57	6.24	NASA
14D13A	NASA (North of 101)	3/24/2011	13.19	5.22	7.97	NASA
14D13A	NASA (North of 101)	9/15/2011	13.19	7.30	5.89	NASA
14E14A	NASA (North of 101)	3/24/2011	21.64	10.07	11.57	NASA
14E14A	NASA (North of 101)	9/15/2011	21.64	11.15	10.49	NASA
15H05A	NASA (North of 101)	3/24/2011	18.69	4.82	13.87	NASA
15H05A	NASA (North of 101)	9/15/2011	18.69	5.72	12.97	NASA
R22A	Raytheon (South of 101)	3/24/2011	73.00	24.66	48.34	Raytheon
R22A	Raytheon (South of 101)	9/15/2011	73.00	25.13	47.87	Nec/Raytheon
R24A	Raytheon (South of 101)	3/24/2011	70.05	21.06	48.99	Raytheon
R24A	Raytheon (South of 101)	9/15/2011	70.05	NM	NM	Nec/Raytheon
R25A	Raytheon (South of 101)	3/24/2011	59.20	13.98	45.22	Raytheon
R25A	Raytheon (South of 101)	9/15/2011	59.20	14.36	44.84	Nec/Raytheon

Table I-1

Groundwater Elevation Data - RGRP Wells - January through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
R29A	Raytheon (South of 101)	3/24/2011	36.00	6.45	29.55	Raytheon
R29A	Raytheon (South of 101)	9/15/2011	36.00	7.50	28.50	Nec/Raytheon
R31A	Raytheon (South of 101)	3/24/2011	34.00	7.67	26.33	Raytheon
R31A	Raytheon (South of 101)	9/15/2011	34.00	9.22	24.78	Nec/Raytheon
R32A	Raytheon (South of 101)	3/24/2011	35.65	6.98	28.67	Raytheon
R32A	Raytheon (South of 101)	9/15/2011	35.65	8.51	27.14	Nec/Raytheon
R43A	Raytheon (South of 101)	3/24/2011	46.00	6.00	40.00	Raytheon
R43A	Raytheon (South of 101)	9/15/2011	46.00	6.69	39.31	Nec/Raytheon
R46A	Raytheon (South of 101)	3/24/2011	73.00	23.03	49.97	Raytheon
R46A	Raytheon (South of 101)	9/15/2011	73.00	24.37	48.63	Nec/Raytheon
R57A	Raytheon (South of 101)	3/24/2011	53.71	10.12	43.59	Raytheon
R57A	Raytheon (South of 101)	9/15/2011	53.71	10.65	43.06	Nec/Raytheon
R59A	Raytheon (South of 101)	3/24/2011	54.69	9.36	45.33	Raytheon
R59A	Raytheon (South of 101)	9/15/2011	54.69	10.10	44.59	Nec/Raytheon
SIL4A	Siltec (South of 101)	3/24/2011	44.15	10.54	33.61	Vishay/GeoMatrix
SIL4A	Siltec (South of 101)	9/15/2011	44.15	11.82	32.33	Vishay/GeoMatrix
SIL12A	Siltec (South of 101)	3/24/2011	43.25	10.18	33.07	Vishay/GeoMatrix
SIL12A	Siltec (South of 101)	9/15/2011	43.25	11.53	31.72	Vishay/GeoMatrix
W9-16	U.S. Navy (North of 101)	3/24/2011	22.42	5.09	17.33	Navy
W9-16	U.S. Navy (North of 101)	9/15/2011	22.42	6.05	16.37	Navy
W9-38	U.S. Navy (North of 101)	3/24/2011	22.59	5.89	16.70	Weiss
W9-38	U.S. Navy (North of 101)	9/15/2011	22.59	6.88	15.71	Weiss
W12-6	U.S. Navy (North of 101)	3/24/2011	7.08	4.40	2.68	Navy
W12-6	U.S. Navy (North of 101)	9/15/2011	7.08	7.19	-0.11	Navy
W14-3	U.S. Navy (North of 101)	3/24/2011	30.15	3.32	26.83	Navy
W14-3	U.S. Navy (North of 101)	9/15/2011	30.15	6.55	23.60	Navy
W60-2	U.S. Navy (North of 101)	3/24/2011	31.00	7.45	23.55	Navy
W60-2	U.S. Navy (North of 101)	9/15/2011	31.00	9.40	21.60	Navy
W89-1	U.S. Navy (North of 101)	3/24/2011	33.57	9.24	24.33	Navy
W89-1	U.S. Navy (North of 101)	9/15/2011	33.57	10.96	22.61	Navy
W89-2	U.S. Navy (North of 101)	3/24/2011	30.98	6.52	24.46	Navy
W89-2	U.S. Navy (North of 101)	9/15/2011	30.98	8.55	22.43	Navy
W89-5	U.S. Navy (North of 101)	3/24/2011	25.61	5.82	19.79	Navy
W89-5	U.S. Navy (North of 101)	9/15/2011	25.61	6.70	18.91	Navy
W89-7	U.S. Navy (North of 101)	3/24/2011	24.15	5.14	19.01	Navy
W89-7	U.S. Navy (North of 101)	9/15/2011	24.15	5.95	18.20	Navy
W89-8	U.S. Navy (North of 101)	3/24/2011	21.77	6.55	15.22	Navy
W89-8	U.S. Navy (North of 101)	9/15/2011	21.77	7.83	13.94	Navy
W89-9	U.S. Navy (North of 101)	3/24/2011	21.78	8.83	12.95	Navy
W89-9	U.S. Navy (North of 101)	9/15/2011	21.78	10.02	11.76	Navy
WT14-1	U.S. Navy (North of 101)	3/24/2011	24.80	3.69	21.11	Navy

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Groundwater Elevation Data - RGRP Wells - January through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
WT14-1	U.S. Navy (North of 101)	9/15/2011	24.80	6.22	18.58	Navy
WU4-1	U.S. Navy (North of 101)	3/24/2011	34.97	11.36	23.61	Navy
WU4-1	U.S. Navy (North of 101)	9/15/2011	34.97	12.94	22.03	Navy
WU4-3	U.S. Navy (North of 101)	3/24/2011	25.21	8.05	17.16	Navy
WU4-3	U.S. Navy (North of 101)	9/15/2011	25.21	8.00	17.21	Navy
WU4-16	U.S. Navy (North of 101)	3/24/2011	13.89	4.44	9.45	Navy
WU4-16	U.S. Navy (North of 101)	9/15/2011	13.89	6.08	7.81	Navy
WU4-18	U.S. Navy (North of 101)	3/24/2011	8.17	4.20	3.97	Navy
WU4-18	U.S. Navy (North of 101)	9/15/2011	8.17	7.04	1.13	Navy
A2/B1 Zone						
46B1	Fairchild (North of 101)	3/24/2011	22.13	4.33	17.80	Weiss
46B1	Fairchild (North of 101)	9/15/2011	22.13	5.91	16.22	Weiss
47B1	Fairchild (North of 101)	3/24/2011	21.51	3.86	17.65	Weiss
47B1	Fairchild (North of 101)	9/15/2011	21.51	5.41	16.10	Weiss
48B1	Fairchild (North of 101)	3/24/2011	28.07	5.84	22.23	Weiss
48B1	Fairchild (North of 101)	9/15/2011	28.07	7.89	20.18	Weiss
49B1	Fairchild (North of 101)	3/24/2011	27.89	NM	NM	Weiss
49B1	Fairchild (North of 101)	9/15/2011	27.89	6.38	21.51	Weiss
50B1	Fairchild (North of 101)	3/24/2011	27.79	5.96	21.83	Weiss
50B1	Fairchild (North of 101)	9/15/2011	27.79	7.09	20.70	Weiss
68B1	Fairchild (North of 101)	3/24/2011	29.85	NM	NM	Weiss
68B1	Fairchild (North of 101)	9/15/2011	29.85	6.39	23.46	Weiss
78B1	Fairchild (North of 101)	3/24/2011	20.64	8.75	11.89	Weiss
78B1	Fairchild (North of 101)	9/15/2011	20.64	12.60	8.04	Weiss
79B1	Fairchild (North of 101)	3/24/2011	17.08	7.00	10.08	Weiss
79B1	Fairchild (North of 101)	9/15/2011	17.08	7.68	9.40	Weiss
81B1	Fairchild (North of 101)	3/24/2011	9.20	7.12	2.08	Weiss
81B1	Fairchild (North of 101)	9/15/2011	9.20	9.51	-0.31	Weiss
83B1	Fairchild (North of 101)	3/24/2011	5.80	6.04	-0.24	Weiss
83B1	Fairchild (North of 101)	9/15/2011	5.80	7.79	-1.99	Weiss
87B1	Fairchild (North of 101)	3/24/2011	25.10	3.80	21.30	Weiss
87B1	Fairchild (North of 101)	9/15/2011	25.10	4.89	20.21	Weiss
139B1	Fairchild (North of 101)	3/24/2011	7.06	3.09	3.97	Weiss
139B1	Fairchild (North of 101)	9/15/2011	7.06	4.77	2.29	Weiss
154B1	Fairchild (North of 101)	3/24/2011	12.78	8.01	4.77	Weiss
154B1	Fairchild (North of 101)	9/15/2011	12.78	8.65	4.13	Weiss
155B1	Fairchild (North of 101)	3/24/2011	19.74	6.82	12.92	Weiss
155B1	Fairchild (North of 101)	9/15/2011	19.74	8.44	11.30	Weiss
8B1	Fairchild (South of 101)	3/24/2011	40.96	7.36	33.60	Weiss
8B1	Fairchild (South of 101)	9/15/2011	40.96	8.88	32.08	Weiss
13B1	Fairchild (South of 101)	3/24/2011	34.80	8.30	26.50	Weiss

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Groundwater Elevation Data - RGRP Wells - January through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
13B1	Fairchild (South of 101)	9/15/2011	34.80	11.45	23.35	Weiss
14B1	Fairchild (South of 101)	3/24/2011	35.68	5.33	30.35	Weiss
14B1	Fairchild (South of 101)	9/15/2011	35.68	7.02	28.66	Weiss
26B1	Fairchild (South of 101)	3/24/2011	52.61	8.82	43.79	Weiss
26B1	Fairchild (South of 101)	9/15/2011	52.61	11.53	41.08	Weiss
32B1	Fairchild (South of 101)	3/24/2011	38.03	12.26	25.77	Weiss
32B1	Fairchild (South of 101)	9/15/2011	38.03	14.45	23.58	Weiss
33B1	Fairchild (South of 101)	3/24/2011	46.30	10.79	35.51	Weiss
33B1	Fairchild (South of 101)	9/15/2011	46.30	11.88	34.42	Weiss
56B1	Fairchild (South of 101)	3/24/2011	42.14	8.45	33.69	Weiss
56B1	Fairchild (South of 101)	9/15/2011	42.14	9.58	32.56	Weiss
67B1	Fairchild (South of 101)	3/24/2011	36.93	7.25	29.68	Weiss
67B1	Fairchild (South of 101)	9/15/2011	36.93	8.97	27.96	Weiss
74B1	Fairchild (South of 101)	3/24/2011	51.84	8.55	43.29	Weiss
74B1	Fairchild (South of 101)	9/15/2011	51.84	5.70	46.14	Weiss
77B1	Fairchild (South of 101)	3/24/2011	40.96	11.15	29.81	Weiss
77B1	Fairchild (South of 101)	9/15/2011	40.96	13.30	27.66	Weiss
91B1	Fairchild (South of 101)	3/24/2011	48.44	12.87	35.57	Weiss
91B1	Fairchild (South of 101)	9/15/2011	48.44	14.44	34.00	Weiss
92B1	Fairchild (South of 101)	3/24/2011	46.99	12.09	34.90	Weiss
92B1	Fairchild (South of 101)	9/15/2011	46.99	14.50	32.49	Weiss
98B1	Fairchild (South of 101)	3/24/2011	54.10	11.78	42.32	Weiss
98B1	Fairchild (South of 101)	5/26/2011	54.1	12.58	41.52	Weiss
98B1	Fairchild (South of 101)	9/15/2011	54.10	13.13	40.97	Weiss
98B1	Fairchild (South of 101)	11/10/2011	54.1	13.49	40.61	Weiss
103B1	Fairchild (South of 101)	3/24/2011	55.20	12.65	42.55	Weiss
103B1	Fairchild (South of 101)	9/15/2011	55.20	12.80	42.40	Weiss
105B1	Fairchild (South of 101)	3/24/2011	40.88	7.86	33.02	Weiss
105B1	Fairchild (South of 101)	9/15/2011	40.88	9.34	31.54	Weiss
112B1	Fairchild (South of 101)	3/24/2011	46.00	10.30	35.70	Weiss
112B1	Fairchild (South of 101)	9/15/2011	46.00	10.98	35.02	Weiss
119B1	Fairchild (South of 101)	3/24/2011	42.96	9.57	33.39	Weiss
119B1	Fairchild (South of 101)	5/26/2011	42.96	10.48	32.48	Weiss
119B1	Fairchild (South of 101)	9/15/2011	42.96	10.89	32.07	Weiss
119B1	Fairchild (South of 101)	11/10/2011	42.96	11.15	31.81	Weiss
122B1	Fairchild (South of 101)	3/24/2011	59.53	14.86	44.67	Weiss
122B1	Fairchild (South of 101)	9/15/2011	59.53	15.87	43.66	Weiss
124B1	Fairchild (South of 101)	3/24/2011	46.91	11.05	35.86	Weiss
124B1	Fairchild (South of 101)	9/15/2011	46.91	12.40	34.51	Weiss
140B1	Fairchild (South of 101)	3/24/2011	48.91	NM	NM	Weiss
140B1	Fairchild (South of 101)	9/15/2011	48.91	NM	NM	Weiss

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Groundwater Elevation Data - RGRP Wells - January through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
143B1	Fairchild (South of 101)	3/24/2011	38.88	10.90	27.98	Weiss
143B1	Fairchild (South of 101)	9/15/2011	38.88	13.60	25.28	Weiss
RW-2(B1)	Fairchild (South of 101)	3/24/2011	48.18	10.89	37.29	Weiss
RW-2(B1)	Fairchild (South of 101)	9/15/2011	48.18	12.02	36.16	Weiss
RW-4(B1)	Fairchild (South of 101)	3/24/2011	42.61	13.81	28.80	Weiss
RW-4(B1)	Fairchild (South of 101)	9/15/2011	42.61	14.98	27.63	Weiss
I9B1	Intel (South of 101)	3/24/2011	70.92	16.09	54.83	Intel/Weiss
I9B1	Intel (South of 101)	9/15/2011	70.92	17.24	53.68	Intel/Weiss
IM5B(1)	Intel (South of 101)	3/24/2011	60.16	15.73	44.43	Intel/Weiss
IM5B(1)	Intel (South of 101)	9/15/2011	60.16	16.90	43.26	Intel/Weiss
IM9B(1)	Intel (South of 101)	3/24/2011	65.04	16.34	48.70	Intel/Weiss
IM9B(1)	Intel (South of 101)	9/15/2011	65.04	17.57	47.47	Intel/Weiss
REG-5B(1)	MEW RGRP (North of 101)	3/24/2011	33.20	13.88	19.32	Weiss
REG-5B(1)	MEW RGRP (North of 101)	9/15/2011	33.20	15.88	17.32	Weiss
REG-6B(1)	MEW RGRP (North of 101)	3/24/2011	24.65	30.00	-5.35	Weiss
REG-6B(1)	MEW RGRP (North of 101)	9/15/2011	24.65	33.00	-8.35	Weiss
REG-7B(1)	MEW RGRP (North of 101)	3/24/2011	24.32	11.08	13.24	Weiss
REG-7B(1)	MEW RGRP (North of 101)	9/15/2011	24.32	13.00	11.32	Weiss
REG-8B(1)	MEW RGRP (North of 101)	3/24/2011	20.03	37.35	-17.32	Weiss
REG-8B(1)	MEW RGRP (North of 101)	9/15/2011	20.03	41.30	-21.27	Weiss
REG-9B(1)	MEW RGRP (North of 101)	3/24/2011	13.60	19.03	-5.43	Weiss
REG-9B(1)	MEW RGRP (North of 101)	9/15/2011	13.60	21.08	-7.48	Weiss
REG-10B(1)	MEW RGRP (North of 101)	3/24/2011	19.64	6.71	12.93	Weiss
REG-10B(1)	MEW RGRP (North of 101)	9/15/2011	19.64	20.45	-0.81	Weiss
REG-12B(1)	MEW RGRP (North of 101)	3/24/2011	32.38	25.04	7.34	Weiss
REG-12B(1)	MEW RGRP (North of 101)	9/15/2011	32.38	25.74	6.64	Weiss
W89-13B1-R	MEW RGRP (North of 101)	3/24/2011	33.19	4.00	29.19	Weiss
W89-13B1-R	MEW RGRP (North of 101)	9/15/2011	33.19	5.24	27.95	Weiss
ME1B1	MEW RGRP (South of 101)	3/24/2011	58.00	8.17	49.83	Raytheon
ME1B1	MEW RGRP (South of 101)	9/15/2011	58.00	8.30	49.70	Nec/Raytheon
ME2B1	MEW RGRP (South of 101)	3/24/2011	36.57	5.45	31.12	Weiss
ME2B1	MEW RGRP (South of 101)	9/15/2011	36.57	6.75	29.82	Weiss
NEC8B1	MEW RGRP (South of 101)	3/24/2011	42.68	5.81	36.87	Weiss
NEC8B1	MEW RGRP (South of 101)	9/15/2011	42.68	6.98	35.70	Weiss
NEC14B1	MEW RGRP (South of 101)	3/24/2011	46.82	5.75	41.07	Weiss
NEC14B1	MEW RGRP (South of 101)	9/15/2011	46.82	6.60	40.22	Weiss
NEC18B1	MEW RGRP (South of 101)	3/24/2011	59.87	11.82	48.05	Weiss
NEC18B1	MEW RGRP (South of 101)	9/15/2011	59.87	12.20	47.67	Weiss
REG-1B(1)	MEW RGRP (South of 101)	3/24/2011	38.15	15.10	23.05	Weiss
REG-1B(1)	MEW RGRP (South of 101)	9/15/2011	38.15	17.77	20.38	Weiss
REG-2B(1)	MEW RGRP (South of 101)	3/24/2011	35.15	28.98	6.17	Weiss

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Groundwater Elevation Data - RGRP Wells - January through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
REG-2B(1)	MEW RGRP (South of 101)	9/15/2011	35.15	28.35	6.80	Weiss
REG-3B(1)	MEW RGRP (South of 101)	3/24/2011	34.17	NM	NM	Weiss
REG-3B(1)	MEW RGRP (South of 101)	9/15/2011	34.17	11.98	22.19	Weiss
REG-4B(1)	MEW RGRP (South of 101)	3/24/2011	37.70	18.14	19.56	Weiss
REG-4B(1)	MEW RGRP (South of 101)	9/15/2011	37.70	19.62	18.08	Weiss
REG-11B(1)	MEW RGRP (South of 101)	3/24/2011	35.65	9.18	26.47	Weiss
REG-11B(1)	MEW RGRP (South of 101)	9/15/2011	35.65	11.85	23.80	Weiss
REG-MW-1B(1)	MEW RGRP (South of 101)	3/24/2011	40.81	11.53	29.28	Weiss
REG-MW-1B(1)	MEW RGRP (South of 101)	9/15/2011	40.81	14.15	26.66	Weiss
REG-MW-2B(1)	MEW RGRP (South of 101)	3/24/2011	41.43	11.66	29.77	Weiss
REG-MW-2B(1)	MEW RGRP (South of 101)	9/15/2011	41.43	14.25	27.18	Weiss
RW-9(B1)R	MEW RGRP (South of 101)	3/24/2011	38.59	29.89	8.70	Weiss
RW-9(B1)R	MEW RGRP (South of 101)	9/15/2011	38.59	33.55	5.04	Weiss
R6B1	Raytheon (South of 101)	3/24/2011	46.00	6.72	39.28	Raytheon
R6B1	Raytheon (South of 101)	9/15/2011	46.00	7.65	38.35	Nec/Raytheon
R13B1	Raytheon (South of 101)	3/24/2011	35.00	4.17	30.83	Raytheon
R13B1	Raytheon (South of 101)	9/15/2011	35.00	5.81	29.19	Nec/Raytheon
R16B1	Raytheon (South of 101)	3/24/2011	47.00	5.64	41.36	Raytheon
R16B1	Raytheon (South of 101)	9/15/2011	47.00	6.33	40.67	Nec/Raytheon
R22B1	Raytheon (South of 101)	3/24/2011	62.73	12.58	50.15	Raytheon
R22B1	Raytheon (South of 101)	9/15/2011	62.73	12.73	50.00	Nec/Raytheon
R46B1	Raytheon (South of 101)	3/24/2011	58.00	11.55	46.45	Raytheon
R46B1	Raytheon (South of 101)	9/15/2011	58.00	11.88	46.12	Nec/Raytheon
RP22B	Raytheon (South of 101)	3/24/2011	64.07	15.13	48.94	Raytheon
RP22B	Raytheon (South of 101)	9/15/2011	64.07	15.51	48.56	Nec/Raytheon
RW-13B(1)	Silva (South of 101)	3/24/2011	53.20	7.70	45.50	Weiss
RW-13B(1)	Silva (South of 101)	9/15/2011	53.20	10.13	43.07	Weiss
W9-17	U.S. Navy (North of 101)	3/24/2011	19.31	3.60	15.71	Navy
W9-17	U.S. Navy (North of 101)	9/15/2011	19.31	4.60	14.71	Navy
W9-25	U.S. Navy (North of 101)	3/24/2011	15.26	5.26	10.00	Navy
W9-25	U.S. Navy (North of 101)	9/15/2011	15.26	6.58	8.68	Navy
W9-41	U.S. Navy (North of 101)	3/24/2011	22.56	6.11	16.45	Weiss
W9-41	U.S. Navy (North of 101)	9/15/2011	22.56	7.26	15.30	Weiss
W9SC-20	U.S. Navy (North of 101)	3/24/2011	22.20	5.51	16.69	Navy
W9SC-20	U.S. Navy (North of 101)	9/15/2011	22.20	6.71	15.49	Navy
W14-5	U.S. Navy (North of 101)	3/24/2011	29.94	3.43	26.51	Navy
W14-5	U.S. Navy (North of 101)	9/15/2011	29.94	5.80	24.14	Navy
W89-11	U.S. Navy (North of 101)	3/24/2011	33.26	8.29	24.97	Navy
W89-11	U.S. Navy (North of 101)	9/15/2011	33.26	9.90	23.36	Navy
W89-12	U.S. Navy (North of 101)	3/24/2011	31.23	5.87	25.36	Navy
W89-12	U.S. Navy (North of 101)	9/15/2011	31.23	7.53	23.70	Navy

Table I-1
Groundwater Elevation Data - RGRP Wells - January through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
W89-14	U.S. Navy (North of 101)	3/24/2011	25.58	5.12	20.46	Navy
W89-14	U.S. Navy (North of 101)	9/15/2011	25.58	5.60	19.98	Navy
WNB-14	U.S. Navy (North of 101)	3/24/2011	12.35	4.50	7.85	Navy
WNB-14	U.S. Navy (North of 101)	9/15/2011	12.35	6.44	5.91	Navy
WU4-2	U.S. Navy (North of 101)	3/24/2011	32.55	10.90	21.65	Navy
WU4-2	U.S. Navy (North of 101)	9/15/2011	32.55	NM	NM	Navy
WU4-4	U.S. Navy (North of 101)	3/24/2011	25.21	6.67	18.54	Navy
WU4-4	U.S. Navy (North of 101)	9/15/2011	25.21	9.40	15.81	Navy
WU4-5	U.S. Navy (North of 101)	3/24/2011	33.88	9.27	24.61	Navy
WU4-5	U.S. Navy (North of 101)	9/15/2011	33.88	10.90	22.98	Navy
WU4-6	U.S. Navy (North of 101)	3/24/2011	28.46	7.37	21.09	Weiss
WU4-6	U.S. Navy (North of 101)	9/15/2011	28.46	9.24	19.22	Weiss
WU4-7	U.S. Navy (North of 101)	3/24/2011	24.00	6.10	17.90	Navy
WU4-7	U.S. Navy (North of 101)	9/15/2011	24.00	7.94	16.06	Navy
WU4-12	U.S. Navy (North of 101)	3/24/2011	21.88	5.97	15.91	Navy
WU4-12	U.S. Navy (North of 101)	9/15/2011	21.88	7.24	14.64	Navy
WU4-13	U.S. Navy (North of 101)	3/24/2011	22.68	10.58	12.10	Navy
WU4-13	U.S. Navy (North of 101)	9/15/2011	22.68	11.00	11.68	Navy
WU4-19	U.S. Navy (North of 101)	3/24/2011	11.39	5.90	5.49	Navy
WU4-19	U.S. Navy (North of 101)	9/15/2011	11.39	8.47	2.92	Navy
B2 Zone						
17B2	Fairchild (North of 101)	3/24/2011	27.96	6.11	21.85	Weiss
17B2	Fairchild (North of 101)	9/15/2011	27.96	7.14	20.82	Weiss
51B2	Fairchild (North of 101)	3/24/2011	22.07	4.24	17.83	Weiss
51B2	Fairchild (North of 101)	9/15/2011	22.07	5.19	16.88	Weiss
54B2	Fairchild (North of 101)	3/24/2011	28.00	4.20	23.80	Weiss
54B2	Fairchild (North of 101)	9/15/2011	28.00	5.70	22.30	Weiss
82B2	Fairchild (North of 101)	3/24/2011	6.56	4.23	2.33	Weiss
82B2	Fairchild (North of 101)	9/15/2011	6.56	5.11	1.45	Weiss
123B2	Fairchild (North of 101)	3/24/2011	15.46	10.72	4.74	Weiss
123B2	Fairchild (North of 101)	9/15/2011	15.46	12.29	3.17	Weiss
6B2	Fairchild (South of 101)	3/24/2011	58.83	13.09	45.74	Weiss
6B2	Fairchild (South of 101)	9/15/2011	58.83	14.46	44.37	Weiss
15B2	Fairchild (South of 101)	3/24/2011	70.70	15.97	54.73	Weiss
15B2	Fairchild (South of 101)	9/15/2011	70.70	17.11	53.59	Weiss
16B2	Fairchild (South of 101)	3/24/2011	47.18	9.11	38.07	Weiss
16B2	Fairchild (South of 101)	9/15/2011	47.18	9.97	37.21	Weiss
36B2	Fairchild (South of 101)	3/24/2011	37.65	12.10	25.55	Weiss
36B2	Fairchild (South of 101)	9/15/2011	37.65	13.52	24.13	Weiss
37B2	Fairchild (South of 101)	3/24/2011	52.57	6.60	45.97	Weiss
37B2	Fairchild (South of 101)	9/15/2011	52.57	7.94	44.63	Weiss

Table I-1
Groundwater Elevation Data - RGRP Wells - January through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
40B2	Fairchild (South of 101)	3/24/2011	54.59	30.88	23.71	Weiss
40B2	Fairchild (South of 101)	9/15/2011	54.59	29.89	24.70	Weiss
43B2	Fairchild (South of 101)	3/24/2011	36.28	5.76	30.52	Weiss
43B2	Fairchild (South of 101)	9/15/2011	36.28	6.95	29.33	Weiss
62B2	Fairchild (South of 101)	3/24/2011	34.93	5.50	29.43	Weiss
62B2	Fairchild (South of 101)	9/15/2011	34.93	7.06	27.87	Weiss
75B2	Fairchild (South of 101)	3/24/2011	46.59	5.90	40.69	Weiss
75B2	Fairchild (South of 101)	9/15/2011	46.59	6.20	40.39	Weiss
76B2	Fairchild (South of 101)	3/24/2011	55.12	11.36	43.76	Weiss
76B2	Fairchild (South of 101)	9/15/2011	55.12	12.70	42.42	Weiss
89B2	Fairchild (South of 101)	3/24/2011	48.43	11.67	36.76	Weiss
89B2	Fairchild (South of 101)	9/15/2011	48.43	13.29	35.14	Weiss
113B2	Fairchild (South of 101)	3/24/2011	39.01	12.19	26.82	Weiss
113B2	Fairchild (South of 101)	9/15/2011	39.01	14.11	24.90	Weiss
125B2	Fairchild (South of 101)	3/24/2011	46.74	7.20	39.54	Weiss
125B2	Fairchild (South of 101)	9/15/2011	46.74	8.05	38.69	Weiss
129B2	Fairchild (South of 101)	3/24/2011	56.87	6.07	50.80	Weiss
129B2	Fairchild (South of 101)	9/15/2011	56.87	7.05	49.82	Weiss
132B2	Fairchild (South of 101)	3/24/2011	49.21	13.79	35.42	Weiss
132B2	Fairchild (South of 101)	9/15/2011	49.21	14.35	34.86	Weiss
134B2	Fairchild (South of 101)	3/24/2011	47.85	9.89	37.96	Weiss
134B2	Fairchild (South of 101)	9/15/2011	47.85	10.69	37.16	Weiss
38B2	MEW RGRP (South of 101)	3/24/2011	44.09	NM	NM	Weiss
38B2	MEW RGRP (South of 101)	9/15/2011	44.09	34.82	9.27	Weiss
NEC8B2	MEW RGRP (South of 101)	3/24/2011	42.50	-2.50	45.00	Weiss
NEC8B2	MEW RGRP (South of 101)	9/15/2011	42.50	-1.97	44.47	Weiss
NEC18B2	MEW RGRP (South of 101)	3/24/2011	59.87	9.68	50.19	Weiss
NEC18B2	MEW RGRP (South of 101)	9/15/2011	59.87	10.00	49.87	Weiss
REG-1B(2)	MEW RGRP (South of 101)	3/24/2011	38.20	NM	NM	Weiss
REG-1B(2)	MEW RGRP (South of 101)	9/15/2011	38.20	76.94	-38.74	Weiss
REG-3B(2)	MEW RGRP (South of 101)	3/24/2011	34.84	11.13	23.71	Weiss
REG-3B(2)	MEW RGRP (South of 101)	9/15/2011	34.84	11.64	23.20	Weiss
REG-MW-1B(2)	MEW RGRP (South of 101)	3/24/2011	40.89	8.80	32.09	Weiss
REG-MW-1B(2)	MEW RGRP (South of 101)	9/15/2011	40.89	11.10	29.79	Weiss
RW-9(B2)	MEW RGRP (South of 101)	3/24/2011	37.88	46.81	-8.93	Weiss
RW-9(B2)	MEW RGRP (South of 101)	9/15/2011	37.88	53.45	-15.57	Weiss
R13B2	Raytheon (South of 101)	3/24/2011	35.00	2.30	32.70	Raytheon
R13B2	Raytheon (South of 101)	9/15/2011	35.00	3.58	31.42	Nec/Raytheon
R30B2	Raytheon (South of 101)	3/24/2011	63.00	11.95	51.05	Raytheon
R30B2	Raytheon (South of 101)	9/15/2011	63.00	12.23	50.77	Nec/Raytheon
R40B1(B2)	Raytheon (South of 101)	3/24/2011	54.06	14.49	39.57	Raytheon

Table I-1
Groundwater Elevation Data - RGRP Wells - January through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
R40B1(B2)	Raytheon (South of 101)	9/15/2011	54.06	15.96	38.10	Nec/Raytheon
R41B2	Raytheon (South of 101)	3/24/2011	57.00	7.97	49.03	Raytheon
R41B2	Raytheon (South of 101)	9/15/2011	57.00	8.09	48.91	Nec/Raytheon
R50B2	Raytheon (South of 101)	3/24/2011	60.00	4.21	55.79	Raytheon
R50B2	Raytheon (South of 101)	9/15/2011	60.00	3.80	56.20	Nec/Raytheon
R52B2	Raytheon (South of 101)	3/24/2011	64.24	12.58	51.66	Raytheon
R52B2	Raytheon (South of 101)	9/15/2011	64.24	12.63	51.61	Nec/Raytheon
R55B2	Raytheon (South of 101)	3/24/2011	64.21	9.23	54.98	Raytheon
R55B2	Raytheon (South of 101)	9/15/2011	64.21	9.04	55.17	Nec/Raytheon
B3 Zone						
28B3	Fairchild (South of 101)	3/24/2011	46.85	-8.50	55.35	Weiss
28B3	Fairchild (South of 101)	9/15/2011	46.85	-7.49	54.34	Weiss
30B3	Fairchild (South of 101)	3/24/2011	58.18	3.00	55.18	Weiss
30B3	Fairchild (South of 101)	9/15/2011	58.18	3.98	54.20	Weiss
44B3	Fairchild (South of 101)	3/24/2011	37.62	2.42	35.20	Weiss
44B3	Fairchild (South of 101)	9/15/2011	37.62	3.95	33.67	Weiss
133B3	Fairchild (South of 101)	3/24/2011	49.26	-2.25	51.51	Weiss
133B3	Fairchild (South of 101)	9/15/2011	49.26	-1.63	50.89	Weiss
65B3	MEW RGRP (South of 101)	3/24/2011	43.36	1.42	41.94	Weiss
65B3	MEW RGRP (South of 101)	9/15/2011	43.36	2.33	41.03	Weiss
R5B3	Raytheon (South of 101)	3/24/2011	50.20	-3.92	54.12	Raytheon
R5B3	Raytheon (South of 101)	9/15/2011	50.20	-3.05	53.25	Nec/Raytheon
R9B3	Raytheon (South of 101)	3/24/2011	69.64	3.36	66.28	Raytheon
R9B3	Raytheon (South of 101)	9/15/2011	69.64	3.60	66.04	Nec/Raytheon
R27B3	Raytheon (South of 101)	3/24/2011	51.37	-2.92	54.29	Raytheon
R27B3	Raytheon (South of 101)	9/15/2011	51.37	-2.41	53.78	Nec/Raytheon
R54B3	Raytheon (South of 101)	3/24/2011	64.52	-0.68	65.20	Raytheon
R54B3	Raytheon (South of 101)	9/15/2011	64.52	-0.40	64.92	Nec/Raytheon
R56B3	Raytheon (South of 101)	3/24/2011	64.13	3.11	61.02	Raytheon
R56B3	Raytheon (South of 101)	9/15/2011	64.13	2.42	61.71	Nec/Raytheon
R61B3	Raytheon (South of 101)	3/24/2011	58.41	-3.12	61.53	Raytheon
R61B3	Raytheon (South of 101)	9/15/2011	58.41	-2.53	60.94	Nec/Raytheon
C Zone						
6C	Fairchild (South of 101)	3/24/2011	38.65	-30.00	68.65	Weiss
6C	Fairchild (South of 101)	9/15/2011	38.65	NM	NM	Weiss
8C	Fairchild (South of 101)	3/24/2011	55.03	-10.88	65.91	Weiss
8C	Fairchild (South of 101)	9/15/2011	55.03	-9.96	64.99	Weiss
9C	Fairchild (South of 101)	3/24/2011	60.21	-6.17	66.38	Weiss
9C	Fairchild (South of 101)	9/15/2011	60.21	-4.67	64.88	Weiss
10C	Fairchild (South of 101)	3/24/2011	59.44	-7.63	67.07	Weiss
10C	Fairchild (South of 101)	9/15/2011	59.44	-8.29	67.73	Weiss

Table I-1
Groundwater Elevation Data - RGRP Wells - January through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well Name	Owner	Measurement Date	TOC Elevation (ft msl)	Depth to Water (feet)	Groundwater Elevation (ft msl)	Measured By
11C	Fairchild (South of 101)	3/24/2011	49.21	-17.42	66.63	Weiss
11C	Fairchild (South of 101)	9/15/2011	49.21	-15.86	65.07	Weiss
DW2-234	Fairchild (South of 101)	3/24/2011	59.79	-6.17	65.96	Weiss
DW2-234	Fairchild (South of 101)	9/15/2011	59.79	-4.92	64.71	Weiss
DW3-219	MEW RGRP (South of 101)	3/24/2011	48.67	-19.63	68.30	Weiss
DW3-219	MEW RGRP (South of 101)	9/15/2011	48.67	-18.63	67.30	Weiss
DW1-230	Raytheon (South of 101)	3/24/2011	62.38	-4.71	67.09	Weiss
DW1-230	Raytheon (South of 101)	9/15/2011	62.38	-0.08	62.46	Weiss
R4C	Raytheon (South of 101)	3/24/2011	72.00	4.45	67.55	Raytheon
R4C	Raytheon (South of 101)	9/15/2011	72.00	5.26	66.74	Nec/Raytheon
RW-1C	Silva (South of 101)	3/24/2011	53.20	-11.54	64.74	Weiss
RW-1C	Silva (South of 101)	9/15/2011	53.20	-11.38	64.58	Weiss
Deep Zone						
DW3-551	Fairchild (South of 101)	3/24/2011	47.14	-10.29	57.43	Weiss
DW3-551	Fairchild (South of 101)	9/15/2011	47.14	-5.75	52.89	Weiss
DW3-244	MEW RGRP (South of 101)	3/24/2011	48.29	-23.04	71.33	Weiss
DW3-244	MEW RGRP (South of 101)	9/15/2011	48.29	-22.54	70.83	Weiss
DW3-334	MEW RGRP (South of 101)	3/24/2011	48.69	-23.04	71.73	Weiss
DW3-334	MEW RGRP (South of 101)	9/15/2011	48.69	-21.92	70.61	Weiss
DW3-364	MEW RGRP (South of 101)	3/24/2011	48.39	-23.25	71.64	Weiss
DW3-364	MEW RGRP (South of 101)	9/15/2011	48.39	-19.00	67.39	Weiss
DW3-505R	MEW RGRP (South of 101)	3/24/2011	48.92	-4.45	53.37	Weiss
DW3-505R	MEW RGRP (South of 101)	9/15/2011	48.92	-9.25	58.17	Weiss

Notes:
TOC = Top of Casing
ft msl = Feet Mean Sea Level
NM = Not Measured

APPENDIX J

Analytical Results – VOCs – RGRP Wells
Five Year Summary
January 2007 through December 2011

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												Sampled By
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	
A/A1 Zone															
65A	Fairchild (North of 101)	12/3/2007	<7.1	**5.0**	<3.6	**6.4**	**160**	<3.6	**10**	<140	<3.6	<3.6	**580**	<3.6	Weiss
65A	Fairchild (North of 101)	12/4/2008	<2.5	**4.3**	<1.3	**6.4**	**160**	**1.8**	**9.1**	<50	<1.3	**3.3**	**510**	<1.3	Weiss
65A	Fairchild (North of 101)	12/8/2009	<5.0	**3.4**	<2.5	**5.1**	**130**	<2.5	<10	<100	<2.5	**3.0**	**470**	<2.5	Weiss
65A	Fairchild (North of 101)	11/18/2010	<2.5	**4.3**	<2.5	**7.1**	**150**	<2.5	<10	<100	<2.5	**3.1**	**410**	<2.5	Weiss/Geosyntec
65A	Fairchild (North of 101)	10/3/2011	<6.3	<3.1	<3.1	**4.1**	**140**	<3.1	<13	<13	<3.1	<3.1	**420**	<3.1	Weiss
72A	Fairchild (North of 101)	12/3/2007	<1.0	**1.7**	<0.5	**0.9**	**2.5**	<0.5	<0.5	<20	**6.6**	<0.5	**13**	<0.5	Weiss
72A	Fairchild (North of 101)	12/8/2008	<1.0	**1.6**	<0.5	**0.8**	**2.6**	<0.5	**1.1**	<20	**5.4**	<0.5	**13**	<0.5	Weiss
72A	Fairchild (North of 101)	12/3/2009	<1.0	**1.5**	<0.5	**0.6**	**2.4**	<0.5	<2.0	<20	**3.8**	<0.5	**9.6**	<0.5	Weiss
72A	Fairchild (North of 101)	11/18/2010	<0.5	**1.7**	<0.5	**1.0**	**2.4**	<0.5	<2.0	<20	**2.6**	<0.5	**12**	<0.5	Weiss/Geosyntec
72A	Fairchild (North of 101)	10/4/2011	<1.0	**1.2**	<0.5	<0.5	**2.1**	<0.5	<2.0	<2.0	**3.0**	<0.5	**9.1**	<0.5	Weiss
73A	Fairchild (North of 101)	12/3/2007	<7.1	<3.6	<3.6	**5.8**	**140**	<3.6	<3.6	<140	<3.6	<3.6	**540**	<3.6	Weiss
73A	Fairchild (North of 101)	12/5/2008	<6.3	**3.5**	<3.1	**5.8**	**170**	**3.5**	**3.3**	<130	<3.1	<3.1	**510**	<3.1	Weiss
73A	Fairchild (North of 101)	12/8/2009	<5.0	**4.0**	<2.5	**7.1**	**250**	**7.9**	<10	<100	<2.5	**2.8**	**470**	<2.5	Weiss
73A	Fairchild (North of 101)	11/18/2010	<3.1	**4.3**	<3.1	**7.4**	**150**	**3.2**	<13	<130	<3.1	**3.5**	**440**	<3.1	Weiss/Geosyntec
73A	Fairchild (North of 101)	10/5/2011	<6.3	<3.1	<3.1	**3.6**	**220**	<3.1	<13	<13	<3.1	<3.1	**320**	<3.1	Weiss
74A	Fairchild (North of 101)	12/3/2007	<1.0	**3.0**	<0.5	**3.8**	**7.9**	<0.5	**1.1**	<20	<0.5	**1.5**	**52**	<0.5	Weiss
74A	Fairchild (North of 101)	12/8/2008	<1.0	**3.0**	<0.5	**3.9**	**7.9**	<0.5	**1.8**	<20	<0.5	**1.4**	**50**	<0.5	Weiss
74A	Fairchild (North of 101)	12/3/2009	<1.0	**3.0**	<0.5	**3.3**	**8.1**	<0.5	<2.0	<20	<0.5	**1.3**	**41**	<0.5	Weiss
74A	Fairchild (North of 101)	11/17/2010	<0.5	**2.6**	<0.5	**2.7**	**7.6**	<0.5	<2.0	<10	<0.5	**1.2**	**51**	<0.5	Geosyntec
74A	Fairchild (North of 101)	9/30/2011	<1.0	**2.2**	<0.5	**2.1**	**5.7**	<0.5	<2.0	<2.0	<0.5	**1.0**	**38**	<0.5	Weiss
75A	Fairchild (North of 101)	12/4/2007	<3.3	**4.1**	<1.7	**4.9**	**250**	**3.8**	<1.7	<67	<1.7	<1.7	**14**	<1.7	Weiss
75A	Fairchild (North of 101)	12/3/2008	<2.5	**3.8**	<1.3	**4.3**	**240**	**3.2**	<1.3	<50	<1.3	<1.3	**11**	<1.3	Weiss
75A	Fairchild (North of 101)	12/8/2009	<2.0	**2.4**	<1.0	**1.7**	**160**	**4.7**	<4.0	<40	<1.0	<1.0	**6.1**	<1.0	Weiss
75A	Fairchild (North of 101)	11/17/2010	<1.3	**3.3**	<1.3	**3.2**	**240**	**2.0**	<5.0	<25	<1.3	<1.3	**8.9**	<1.3	Geosyntec
75A	Fairchild (North of 101)	9/28/2011	<1.0	**3.1**	<0.5	**3.5**	**250**	**1.7**	<2.0	<2.0	<0.5	<0.5	**6.1**	**0.6**	Weiss
81A	Fairchild (North of 101)	12/4/2007	<33	**43**	<17	**43**	**1900**	**30**	<17	<670	<17	<17	**76**	<17	Weiss
81A	Fairchild (North of 101)	12/5/2008	<20	**35**	<10	**39**	**1500**	<10	<10	<400	<10	<10	**42**	<10	Weiss
81A	Fairchild (North of 101)	12/8/2009	<10	**38**	<5.0	**45**	**1800**	**14**	<20	<200	<5.0	<5.0	**49**	<5.0	Weiss
81A	Fairchild (North of 101)	11/16/2010	<10	**30**	<10	**43**	**1500**	**21**	<40	<400	<10	<10	**39**	<10	Geosyntec
81A	Fairchild (North of 101)	10/3/2011	<33	**27**	<17	**32**	**1600**	<17	<67	<67	<17	<17	**29**	<17	Weiss
82A	Fairchild (North of 101)	12/4/2007	<7.1	**7.2**	<3.6	**9.9**	**260**	**4.6**	**4.2**	<140	<3.6	<3.6	**560**	<3.6	Weiss
82A	Fairchild (North of 101)	12/5/2008	<8.3	**7.6**	<4.2	<4.2	**300**	**31**	<4.2	<170	<4.2	<4.2	**500**	<4.2	Weiss
82A	Fairchild (North of 101)	12/8/2009	<5.0	**8.3**	<2.5	**8.2**	**400**	**25**	<10	<100	<2.5	<2.5	**480**	<2.5	Weiss
82A	Fairchild (North of 101)	12/13/2010	<5.0	**6.6**	<2.5	**6.6**	**350**	**3.1**	<10	<10	<2.5	<2.5	**240**	<2.5	Weiss
82A	Fairchild (North of 101)	10/5/2011	<4.0	**5.0**	<2.0	**4.8**	**270**	**3.5**	<8.0	<8.0	<2.0	<2.0	**230**	<2.0	Weiss
88A	Fairchild (North of 101)	12/3/2007	<1.0	<0.5	**1**	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**11**	<0.5	Weiss
88A	Fairchild (North of 101)	12/2/2008	<1.0	<0.5	**1.1**	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**13**	<0.5	Weiss
88A	Fairchild (North of 101)	12/3/2009	<1.0	<0.5	**1.1**	<0.5	**0.6**	<0.5	<2.0	<20	<0.5	<0.5	**12**	<0.5	Weiss
88A	Fairchild (North of 101)	12/6/2010	<1.0	<0.5	**0.8**	<0.5	**0.6**	<0.5	<2.0	<2.0	<0.5	<0.5	**10**	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
			Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
88A	Fairchild (North of 101)	9/30/2011	<1.0	<0.5	**0.8**	<0.5	**0.6**	<0.5	<2.0	<2.0	<0.5	<0.5	**11**	<0.5	Weiss
89A	Fairchild (North of 101)	9/7/2007	<0.50	**6.4**	<0.50	**7.1**	**250**	**2.6**	**3.5**	<0.50	<0.50	<0.50	**290**	**4.2**	NASA
89A	Fairchild (North of 101)	12/1/2008	<1.0	**6.1**	<0.5	**4.8**	**150**	**3.0**	**3.3**	<20	<0.5	<0.5	**170**	**0.7**	Weiss
89A D	Fairchild (North of 101)	12/1/2008	<2.0	**5.4**	<1.0	**4.2**	**150**	**3.7**	**4.4**	<40	<1.0	<1.0	**190**	**1.5**	Weiss
89A	Fairchild (North of 101)	12/4/2009	<2.0	**5.5**	<1.0	**6.3**	**220**	**2.3**	<4.0	<40	<1.0	<1.0	**170**	<1.0	Weiss
89A D	Fairchild (North of 101)	12/4/2009	<2.0	**5.9**	<1.0	**6.7**	**230**	**2.7**	<4.0	<40	<1.0	<1.0	**170**	<1.0	Weiss
89A	Fairchild (North of 101)	12/9/2010	<2.5	**7.5**	<1.3	**9.1**	**190**	**3.3**	<5.0	<5.0	<1.3	<1.3	**200**	<1.3	Weiss
89A D	Fairchild (North of 101)	12/9/2010	<2.5	**7.5**	<1.3	**9.5**	**200**	**3.2**	<5.0	<5.0	<1.3	<1.3	**210**	<1.3	Weiss
89A	Fairchild (North of 101)	9/30/2011	<1.0	**5.0**	<0.5	**5.8**	**190**	**2.1**	**2.2**	<2.0	<0.5	<0.5	**120**	**0.8**	Weiss
92A	Fairchild (North of 101)	12/3/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**1.3**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
92A	Fairchild (North of 101)	12/3/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**1.0**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
92A	Fairchild (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
92A	Fairchild (North of 101)	12/3/2010	<1.0	<0.5	<0.5	**0.6**	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
92A	Fairchild (North of 101)	9/27/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
93A	Fairchild (North of 101)	12/3/2007	<1.0	**2.2**	<0.5	<0.5	**12**	**1.0**	<0.5	<20	<0.5	<0.5	**2.6**	<0.5	Weiss
93A	Fairchild (North of 101)	12/9/2008	<1.0	**2.3**	<0.5	<0.5	**11**	**1.2**	<0.5	<20	<0.5	<0.5	**2.8**	<0.5	Weiss
93A	Fairchild (North of 101)	11/30/2009	<1.0	**2.4**	<0.5	<0.5	**13**	**1.1**	<2.0	<20	<0.5	<0.5	**2.5**	<0.5	Weiss
93A	Fairchild (North of 101)	12/28/2010	<1.0	**2.0**	<0.5	<0.5	**9.9**	**0.8**	<2.0	<2.0	<0.5	<0.5	**2.1**	<0.5	Weiss
93A	Fairchild (North of 101)	10/12/2011	<0.50	**1.6**	<0.50	<0.50	**9.1**	**0.62**	<0.50	<5.0	<0.50	<0.50	**2.0**	<0.50	Weiss
95A	Fairchild (North of 101)	3/23/2007	<0.50	**1.2**	<0.50	<0.50	**7.6**	**1.5**	<0.50	<0.50	**2.6**	<0.50	**32**	<0.50	NASA
95A	Fairchild (North of 101)	9/18/2007	<0.50	**1.6**	<0.50	<0.50	**8.6**	**1.4**	<0.50	<0.50	**2.4**	<0.50	**37**	**0.50**	NASA
95A	Fairchild (North of 101)	12/3/2007	<1.0	**1.1**	<0.5	<0.5	**7.7**	**1.1**	<0.5	<20	**2.7**	<0.5	**30**	<0.5	Weiss
95A	Fairchild (North of 101)	3/18/2008	<0.50	**1.1**	<0.50	<0.50	**7.1**	**1.1**	<0.50	<0.50	**2.4**	<0.50	**32**	<0.50	NASA
95A	Fairchild (North of 101)	9/24/2008	<0.50	**1.6**	<0.50	**0.64**	**10**	**1.5**	<0.50	<0.50	**3.0**	<0.50	**36**	**0.77**	NASA
95A	Fairchild (North of 101)	12/3/2008	<1.0	**1.1**	<0.5	<0.5	**9.2**	**1.6**	<0.5	<20	**2.2**	<0.5	**27**	**0.8**	Weiss
95A	Fairchild (North of 101)	9/22/2009	<0.50	**1.2**	<0.50	<0.50	**8.6**	**1.3**	<0.50	<0.50	**2.2**	<0.50	**30**	<0.50	NASA
95A	Fairchild (North of 101)	12/3/2009	<1.0	**1.1**	<0.5	<0.5	**9.3**	**1.3**	<2.0	<20	**2.4**	<0.5	**28**	<0.5	Weiss
95A	Fairchild (North of 101)	3/16/2010	<0.50	**0.88**	<0.50	<0.50	**7.6**	**1.1**	<0.50	<0.50	**2.6**	<0.50	**28**	<0.50	NASA
95A	Fairchild (North of 101)	9/22/2010	<0.50	**0.93**	<0.50	<0.50	**6.4**	**0.92**	<0.50	<0.50	**2.3**	<0.50	**34**	<0.50	NASA
95A D	Fairchild (North of 101)	9/22/2010	<0.50	**1.1**	<0.50	<0.50	**7.0**	**1.1**	<0.50	<0.50	**2.6**	<0.50	**38**	<0.50	NASA
95A	Fairchild (North of 101)	12/15/2010	<1.0	**0.9**	<0.5	<0.5	**7.4**	**0.9**	<2.0	<2.0	**1.4**	<0.5	**23**	<0.5	Weiss
95A	Fairchild (North of 101)	3/15/2011	<0.50	**1.9**	<0.50	<0.50	**6.6**	**1.8**	<0.50	<0.50	**3.0**	<0.50	**36**	<0.50	NASA
95A	Fairchild (North of 101)	9/19/2011	<0.50	**0.92**	<0.50	<0.50	**5.7**	**1.0**	<0.50	<0.50	**2.3**	<0.50	**31**	<0.50	NASA
95A	Fairchild (North of 101)	9/27/2011	<1.0	**0.9**	<0.5	<0.5	**6.4**	**0.9**	<2.0	<2.0	**1.9**	<0.5	**22**	<0.5	Weiss
1A	Fairchild (South of 101)	11/8/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**4.2**	<0.5	Weiss
1A	Fairchild (South of 101)	11/11/2008	<1.0	**0.7**	<0.5	<0.5	**48**	**1.1**	**1**	<20	<0.5	<0.5	**140**	<0.5	Weiss
1A	Fairchild (South of 101)	11/11/2009	<1.0	**0.6**	<0.5	**0.5**	**40**	**1.2**	<2.0	<20	<0.5	<0.5	**110**	<0.5	Weiss
1A	Fairchild (South of 101)	11/15/2010	<0.5	**0.5**	<0.5	<0.5	**38**	**1.0**	<2.0	<20	<0.5	<0.5	**120**	<0.5	Weiss/Geosyntec
1A	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	**33**	**0.9**	<2.0	<2.0	<0.5	<0.5	**110**	<0.5	Weiss
1A D	Fairchild (South of 101)	9/26/2011	<1.4	<0.7	<0.7	<0.7	**27**	**1.1**	<2.9	<2.9	<0.7	<0.7	**130**	<0.7	Weiss
16A	Fairchild (South of 101)	11/21/2007	<1.0	<0.5	<0.5	<0.5	**2.2**	<0.5	**0.8**	<20	<0.5	<0.5	**56**	<0.5	Weiss

Table J-1

Analytical Results - VOCs - RGRP Wells

Five Year Summary, January 2007 through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												Sampled By
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	
16A	Fairchild (South of 101)	11/6/2008	**0.77**	<0.50	<0.50	<0.50	**3.0**	<0.50	**0.82**	<0.50	<0.50	<0.50	**47**	<0.50	Weiss
16A	Fairchild (South of 101)	11/2/2009	<1.0	<0.5	<0.5	<0.5	**2.9**	<0.5	<2.0	<20	<0.5	<0.5	**64**	<0.5	Weiss
16A	Fairchild (South of 101)	11/3/2010	<1.0	<0.5	<0.5	<0.5	**2.6**	<0.5	<2.0	<2.0	<0.5	<0.5	**56**	<0.5	Weiss
16A	Fairchild (South of 101)	9/27/2011	<1.0	<0.5	<0.5	<0.5	**1.6**	<0.5	<2.0	<2.0	<0.5	<0.5	**50**	<0.5	Weiss
20A	Fairchild (South of 101)	11/12/2007	<1.0	**0.9**	<0.5	**0.6**	<0.5	<0.5	**1.5**	<20	<0.5	**2.0**	<0.5	<0.5	Weiss
20A	Fairchild (South of 101)	11/6/2008	<0.50	**0.55**	<0.50	**0.63**	<0.50	<0.50	**1.2**	<0.50	<0.50	**1.4**	<0.50	<0.50	Weiss
20A	Fairchild (South of 101)	11/6/2009	<1.0	**0.6**	<0.5	**0.7**	<0.5	<0.5	<2.0	<20	<0.5	**1.5**	<0.5	<0.5	Weiss
20A	Fairchild (South of 101)	11/5/2010	<1.0	**0.6**	<0.5	**0.9**	<0.5	<0.5	<2.0	<2.0	<0.5	**1.3**	<0.5	<0.5	Weiss
20A	Fairchild (South of 101)	9/23/2011	<1.0	**0.5**	<0.5	**0.5**	<0.5	<0.5	<2.0	<2.0	<0.5	**1.2**	<0.5	<0.5	Weiss
21A	Fairchild (South of 101)	11/8/2007	<1.0	<0.5	<0.5	<0.5	**5.7**	<0.5	**2.7**	<20	<0.5	**0.7**	**79**	<0.5	Weiss
21A	Fairchild (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	**8.7**	<0.5	**2.5**	<20	<0.5	**0.8**	**92**	<0.5	Weiss
21A	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	**7.1**	<0.5	<2.0	<20	<0.5	**0.6**	**94**	<0.5	Weiss
21A	Fairchild (South of 101)	11/22/2010	<1.0	<0.5	<0.5	<0.5	**6.6**	<0.5	<2.0	<2.0	<0.5	**0.6**	**94**	<0.5	Weiss
21A	Fairchild (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	**5.6**	<0.5	<2.0	<2.0	<0.5	<0.5	**76**	<0.5	Weiss
23A	Fairchild (South of 101)	11/2/2007	<1.0	**4.6**	<0.5	**7.1**	**45**	**0.6**	**5.8**	<20	<0.5	<0.5	**99**	<0.5	Weiss
23A	Fairchild (South of 101)	11/6/2008	<0.50	**6.6**	<0.50	**10**	**54**	<0.50	**5.1**	<0.50	<0.50	<0.50	**96**	<0.50	Weiss
23A	Fairchild (South of 101)	11/16/2009	<1.0	**1.2**	<0.5	**1.7**	**13**	<0.5	**3.3**	<20	<0.5	<0.5	**30**	<0.5	Weiss
23A	Fairchild (South of 101)	11/11/2010	<1.0	<0.5	<0.5	<0.5	**0.7**	<0.5	**2.7**	<2.0	<0.5	<0.5	**3.0**	<0.5	Weiss
23A	Fairchild (South of 101)	9/2/2011	<1.0	<0.5	<0.5	<0.5	**0.5**	<0.5	**2.6**	<2.0	<0.5	<0.5	**1.7**	<0.5	Weiss
26A	Fairchild (South of 101)	11/9/2007	<1.0	**2.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
26A	Fairchild (South of 101)	11/7/2008	<1.0	**1.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.5**	<0.5	Weiss
26A	Fairchild (South of 101)	11/6/2009	<1.0	**2.3**	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
26A	Fairchild (South of 101)	11/4/2010	<1.0	**2.6**	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
26A	Fairchild (South of 101)	9/26/2011	<1.0	**2.6**	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
29A	Fairchild (South of 101)	11/9/2007	<1.0	**4.3**	<0.5	**8.4**	<0.5	<0.5	**3.6**	<20	**0.8**	**48**	**1.9**	<0.5	Weiss
29A	Fairchild (South of 101)	11/11/2008	**1.2**	**6.2**	<0.5	**11**	<0.5	<0.5	**4.0**	<20	<0.5	**57**	**1.3**	<0.5	Weiss
29A	Fairchild (South of 101)	11/10/2009	<1.0	**3.7**	<0.5	**9.0**	<0.5	<0.5	<2.0	<20	**0.6**	**30**	**1.4**	<0.5	Weiss
29A	Fairchild (South of 101)	11/9/2010	<1.0	**4.2**	<0.5	**8.1**	<0.5	<0.5	<2.0	<2.0	**0.8**	**31**	**1.6**	<0.5	Weiss
29A	Fairchild (South of 101)	9/22/2011	<1.0	**5.7**	<0.5	**8.1**	<0.5	<0.5	**2.0**	<2.0	**0.5**	**33**	**1.1**	<0.5	Weiss
41A	Fairchild (South of 101)	11/16/2010	<2.5	<1.3	<1.3	<1.3	**59**	**1.3**	<5.0	<5.0	<1.3	<1.3	**240**	**2.9**	Weiss
41A	Fairchild (South of 101)	9/29/2011	<14	<7.1	<7.1	<7.1	**130**	<7.1	<29	<29	<7.1	<7.1	**760**	<7.1	Weiss
45A	Fairchild (South of 101)	11/13/2007	<1.0	**4.7**	<0.5	**0.8**	**0.6**	<0.5	**1.3**	<20	<0.5	**15**	**3.9**	<0.5	Weiss
45A	Fairchild (South of 101)	11/6/2008	<0.50	**0.52**	<0.50	<0.50	**13**	<0.50	**0.82**	<0.50	**1.3**	**0.87**	**130**	<0.50	Weiss
45A	Fairchild (South of 101)	11/23/2009	<1.0	**4.0**	<0.5	**1.1**	**1.0**	<0.5	<2.0	<20	<0.5	**11**	**6.0**	<0.5	Weiss
45A	Fairchild (South of 101)	11/12/2010	<1.0	**3.5**	<0.5	**0.7**	**1.2**	<0.5	<2.0	<2.0	<0.5	**7.7**	**9.1**	<0.5	Weiss
45A	Fairchild (South of 101)	9/20/2011	<1.0	**4.2**	<0.5	**0.8**	**1.4**	<0.5	<2.0	<2.0	<0.5	**9.0**	**7.4**	<0.5	Weiss
59A	Fairchild (South of 101)	11/21/2007	<1.0	**14**	<0.5	**9.1**	**8.1**	<0.5	<0.5	<20	**0.5**	**8.1**	**37**	**0.5**	Weiss
61A	Fairchild (South of 101)	11/21/2007	<1.0	**1.6**	<0.5	**2.3**	**0.7**	<0.5	**0.8**	<20	<0.5	**1.6**	**19**	<0.5	Weiss
61A	Fairchild (South of 101)	11/14/2008	<1.0	**0.6**	<0.5	**0.8**	<0.5	<0.5	<0.5	<20	<0.5	**1.2**	**3.5**	<0.5	Weiss
61A	Fairchild (South of 101)	11/2/2009	<1.0	<0.5	<0.5	**1.0**	<0.5	<0.5	<2.0	<20	<0.5	**1.1**	**3.6**	<0.5	Weiss

Table J-1

Analytical Results - VOCs - RGRP Wells

Five Year Summary, January 2007 through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
61A	Fairchild (South of 101)	11/15/2010	<1.0	0.6	<0.5	1.2	<0.5	<0.5	<2.0	<2.0	<0.5	1.5	3.4	<0.5	Weiss
61A	Fairchild (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	4.8	<0.5	Weiss
62A	Fairchild (South of 101)	11/12/2007	<130	<63	<63	<63	7000	<63	<63	<2500	<63	<63	71	<63	Weiss
62A D	Fairchild (South of 101)	11/12/2007	<83	<42	<42	46	8000	47	<42	<1700	<42	<42	80	<42	Weiss
62A	Fairchild (South of 101)	11/6/2008	<250	<250	<250	<250	6000	<250	<250	<250	<250	<250	<250	<250	Weiss
62A	Fairchild (South of 101)	11/17/2009	<5.0	12	<2.5	30	4500	73	<10	<100	<2.5	<2.5	<25	3.1	Weiss
62A	Fairchild (South of 101)	11/23/2010	<50	<25	<25	38	4900	47	<100	<100	<25	<25	41	<25	Weiss
62A	Fairchild (South of 101)	9/22/2011	<63	<31	<31	<31	4200	120	<130	<130	<31	<31	<31	<31	Weiss
77A	Fairchild (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
77A	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
77A	Fairchild (South of 101)	11/4/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
77A	Fairchild (South of 101)	11/5/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
77A	Fairchild (South of 101)	9/16/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
78A	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
78A	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
78A	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
78A	Fairchild (South of 101)	11/9/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss/Geosyntec
78A	Fairchild (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
79A	Fairchild (South of 101)	11/7/2007	<1.0	1.0	<0.5	1.1	1.4	<0.5	1.2	<20	<0.5	0.6	35	<0.5	Weiss
79A	Fairchild (South of 101)	11/10/2008	<1.0	1	<0.5	1	1.2	<0.5	1.7	<20	<0.5	0.6	37	<0.5	Weiss
79A	Fairchild (South of 101)	11/10/2009	<1.0	1.1	<0.5	0.8	1.1	<0.5	<2.0	<20	<0.5	0.6	36	<0.5	Weiss
79A	Fairchild (South of 101)	11/15/2010	<0.5	1.0	<0.5	0.9	1.5	<0.5	<2.0	<20	<0.5	0.5	54	<0.5	Weiss/Geosyntec
79A	Fairchild (South of 101)	9/22/2011	<1.0	1.0	<0.5	1.0	1.9	0.6	<2.0	<2.0	<0.5	<0.5	32	<0.5	Weiss
99A	Fairchild (South of 101)	11/8/2007	<4.0	3.9	<2.0	5.2	140	2.9	41	<80	<2.0	9.5	360	<2.0	Weiss
99A	Fairchild (South of 101)	11/11/2008	<3.3	4.2	<1.7	6.6	150	<1.7	44	<67	<1.7	7.7	350	<1.7	Weiss
99A	Fairchild (South of 101)	11/23/2009	<4.0	3.2	<2.0	5.1	140	2.8	27	<80	<2.0	5.3	300	<2.0	Weiss
99A	Fairchild (South of 101)	11/23/2010	<2.5	4.6	<1.3	6.6	160	2.0	31	<5.0	<1.3	6.1	320	<1.3	Weiss
99A D	Fairchild (South of 101)	11/23/2010	<1.0	5.2	<0.5	8.2	140	1.9	38	<2.0	0.5	7.0	290	0.7	Weiss
99A	Fairchild (South of 101)	9/21/2011	<3.3	4.5	<1.7	5.8	180	2.2	23	<6.7	<1.7	5.6	300	<1.7	Weiss
109A	Fairchild (South of 101)	11/12/2007	<3.3	4.0	<1.7	3.6	51	<1.7	4.4	<67	<1.7	2.0	210	<1.7	Weiss
109A	Fairchild (South of 101)	11/6/2008	0.56	1.4	<0.50	1.8	22	<0.50	3.6	<0.50	1.5	1.9	170	<0.50	Weiss
109A	Fairchild (South of 101)	11/23/2009	<1.0	1.3	<0.5	1.7	22	<0.5	3.0	<20	1.0	1.6	110	<0.5	Weiss
109A	Fairchild (South of 101)	11/12/2010	<2.5	22	<2.5	11	390	12	<10	<100	<2.5	<2.5	81	<2.5	Weiss/Geosyntec
109A	Fairchild (South of 101)	9/21/2011	<2.0	<1.0	<1.0	<1.0	14	<1.0	<4.0	<4.0	<1.0	<1.0	120	<1.0	Weiss
126A	Fairchild (South of 101)	11/17/2010	<2.0	5.9	<1.0	4.2	110	1.3	<4.0	<4.0	<1.0	<1.0	130	1.4	Weiss
134A	Fairchild (South of 101)	11/12/2007	<1.0	2.9	<0.5	3.0	3.5	<0.5	20	<20	<0.5	11	54	<0.5	Weiss
134A	Fairchild (South of 101)	12/11/2008	<1.0	3.2	<0.5	3.7	5.5	<0.5	27	<20	<0.5	13	52	<0.5	Weiss
134A	Fairchild (South of 101)	11/3/2009	<1.0	3.1	<0.5	4.7	9.0	<0.5	25	<20	<0.5	11	57	<0.5	Weiss
134A	Fairchild (South of 101)	11/10/2010	<1.0	2.7	<0.5	3.6	9.8	<0.5	17	<2.0	<0.5	9.0	49	<0.5	Weiss
134A	Fairchild (South of 101)	9/27/2011	<1.0	1.9	<0.5	2.7	7.8	<0.5	11	<2.0	<0.5	4.7	47	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
138A	Fairchild (South of 101)	11/17/2010	<20	12	<10	23	1900	20	<40	<40	<10	<10	120	130	Weiss
138A	Fairchild (South of 101)	9/29/2011	<20	<10	<10	10	1200	13	<40	<40	<10	<10	190	32	Weiss
139A	Fairchild (South of 101)	11/9/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
139A	Fairchild (South of 101)	11/17/2010	<1.0	2.8	<0.5	2.6	11	0.7	<2.0	<2.0	<0.5	0.5	54	<0.5	Weiss
139A D	Fairchild (South of 101)	11/17/2010	<1.0	2.9	<0.5	2.5	11	0.6	<2.0	<2.0	<0.5	0.5	54	<0.5	Weiss
141A	Fairchild (South of 101)	11/17/2010	<1.0	<0.5	<0.5	0.7	<0.5	<0.5	<2.0	<2.0	<0.5	1.4	41	<0.5	Weiss
142A	Fairchild (South of 101)	11/9/2007	<2.5	<1.3	<1.3	<1.3	7.5	<1.3	2.5	<50	11	<1.3	160	<1.3	Weiss
142A	Fairchild (South of 101)	11/14/2008	<1.3	<0.6	<0.6	<0.6	6.0	<0.6	1.2	<25	12	<0.6	130	<0.6	Weiss
142A	Fairchild (South of 101)	11/11/2009	<1.0	<0.5	<0.5	<0.5	8.1	<0.5	<2.0	<20	14	<0.5	100	<0.5	Weiss
142A	Fairchild (South of 101)	11/10/2010	<1.0	<0.5	<0.5	<0.5	4.3	<0.5	<2.0	<2.0	14	<0.5	110	<0.5	Weiss
142A	Fairchild (South of 101)	9/23/2011	<1.0	0.7	<0.5	<0.5	4.6	<0.5	<2.0	<2.0	13	<0.5	97	<0.5	Weiss
144A	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
144A	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
144A	Fairchild (South of 101)	11/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	0.5	<0.5	<0.5	Weiss
144A	Fairchild (South of 101)	11/5/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
144A	Fairchild (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
153A	Fairchild (South of 101)	11/14/2007	<1.0	<0.5	<0.5	1.1	1.5	<0.5	1.4	<20	<0.5	1.1	20	<0.5	Weiss
153A	Fairchild (South of 101)	11/7/2008	<1.0	<0.5	<0.5	0.7	1.2	<0.5	0.7	<20	<0.5	1	15	<0.5	Weiss
153A D	Fairchild (South of 101)	11/7/2008	<1.0	<0.5	<0.5	0.8	1.1	<0.5	0.7	<20	<0.5	1	16	<0.5	Weiss
153A	Fairchild (South of 101)	11/10/2009	<1.0	<0.5	<0.5	0.7	1.0	<0.5	<2.0	<20	<0.5	0.7	12	<0.5	Weiss
153A D	Fairchild (South of 101)	11/10/2009	<1.0	<0.5	<0.5	0.8	0.9	<0.5	<2.0	<20	<0.5	0.7	13	<0.5	Weiss
153A	Fairchild (South of 101)	11/9/2010	<1.0	<0.5	<0.5	0.8	1.2	<0.5	<2.0	<2.0	<0.5	0.9	15	<0.5	Weiss
153A D	Fairchild (South of 101)	11/9/2010	<1.0	<0.5	<0.5	0.8	1.3	<0.5	<2.0	<2.0	<0.5	0.9	14	<0.5	Weiss
153A	Fairchild (South of 101)	9/22/2011	<1.0	<0.5	<0.5	0.7	1.4	<0.5	<2.0	<2.0	<0.5	0.8	14	<0.5	Weiss
159A	Fairchild (South of 101)	11/12/2007	<3.3	<1.7	<1.7	<1.7	5.3	<1.7	2.1	<67	<1.7	<1.7	180	<1.7	Weiss
159A	Fairchild (South of 101)	11/17/2010	<5.0	<2.5	<2.5	<2.5	7.9	<2.5	<10	<10	<2.5	<2.5	370	<2.5	Weiss
159A	Fairchild (South of 101)	9/28/2011	<8.3	<4.2	<4.2	<4.2	9.3	<4.2	<17	<17	<4.2	<4.2	480	<4.2	Weiss
162A	Fairchild (South of 101)	11/13/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
162A	Fairchild (South of 101)	11/5/2008	<1.0	3.4	<0.5	0.8	3.0	<0.5	<0.5	<20	<0.5	<0.5	4.1	<0.5	Weiss
162A	Fairchild (South of 101)	11/10/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
162A	Fairchild (South of 101)	11/18/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
162A	Fairchild (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
173A	Fairchild (South of 101)	12/11/2008	<1.0	2.1	<0.5	1.1	38	<0.5	<0.5	<20	<0.5	<0.5	41	2.5	Weiss
173A	Fairchild (South of 101)	11/12/2009	<1.0	2.6	<0.5	1.6	45	<0.5	<2.0	<20	<0.5	<0.5	43	2.4	Weiss
173A	Fairchild (South of 101)	11/11/2010	<1.0	2.1	<0.5	1.0	41	<0.5	<2.0	<2.0	<0.5	<0.5	41	1.9	Weiss
173A	Fairchild (South of 101)	9/1/2011	<1.0	1.6	<0.5	1.1	41	<0.5	<2.0	<2.0	<0.5	<0.5	39	1.4	Weiss
IM9A	Intel (South of 101)	11/26/2007	<1.0	1.3	<0.5	<0.5	1.6	<0.5	<0.5	<20	<0.5	2.1	75	<0.5	Intel/Weiss
IM9A	Intel (South of 101)	12/10/2008	<1.0	1.1	<0.5	<0.5	1.5	<0.5	0.6	<20	<0.5	2.0	60	<0.5	Intel/Weiss
IM9A	Intel (South of 101)	12/18/2009	<1.0	1.4	<0.5	<0.5	2.5	<0.5	<2.0	<20	<0.5	1.3	61	<0.5	Intel/Weiss
IM9A	Intel (South of 101)	12/17/2010	<1.0	1.1	<0.5	<0.5	1.4	<0.5	<2.0	<2.0	<0.5	1.5	53	<0.5	Intel/Weiss

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Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
IM9A	Intel (South of 101)	10/19/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	12	<0.5	Intel/Weiss
REG-2A	MEW RGRP (North of 101)	12/4/2007	<7.1	3.8	<3.6	4.3	220	<3.6	<3.6	<140	<3.6	<3.6	410	<3.6	Weiss
REG-2A	MEW RGRP (North of 101)	12/2/2008	<4.0	3.1	<2.0	3.7	170	2.1	2.4	<80	<2.0	<2.0	350	<2.0	Weiss
REG-2A	MEW RGRP (North of 101)	12/1/2009	<3.3	3.4	<1.7	3.1	200	7.3	<6.7	<67	1.8	<1.7	310	<1.7	Weiss
REG-2A	MEW RGRP (North of 101)	12/10/2010	<3.3	2.7	<1.7	2.9	150	3.8	<6.7	<6.7	<1.7	<1.7	330	<1.7	Weiss
REG-2A	MEW RGRP (North of 101)	9/22/2011	<5.0	3.1	<2.5	3.6	180	3.3	<10	<10	<2.5	<2.5	320	<2.5	Weiss
REG-3A	MEW RGRP (North of 101)	12/4/2007	<10	6.3	<5.0	9.6	220	<5.0	9.7	<200	<5.0	<5.0	490	<5.0	Weiss
REG-3A	MEW RGRP (North of 101)	12/4/2008	<2.5	5.8	<1.3	7.1	240	3.4	8.8	<50	<1.3	2.1	390	<1.3	Weiss
REG-3A	MEW RGRP (North of 101)	12/1/2009	<5.0	6.6	<2.5	7.0	280	13	<10	<100	<2.5	<2.5	370	<2.5	Weiss
REG-3A	MEW RGRP (North of 101)	12/10/2010	<4.0	3.9	<2.0	5.0	160	2.2	<8.0	<8.0	<2.0	<2.0	270	<2.0	Weiss
REG-3A	MEW RGRP (North of 101)	10/5/2011	<5.0	3.8	<2.5	4.7	180	<2.5	<10	<10	<2.5	<2.5	290	<2.5	Weiss
REG-4A	MEW RGRP (North of 101)	12/4/2007	<25	19	<13	23	520	<13	81	<500	<13	<13	1300	<13	Weiss
REG-4A	MEW RGRP (North of 101)	12/4/2008	<6.3	13	<3.1	13	390	4.0	56	<130	<3.1	4.8	820	<3.1	Weiss
REG-4A	MEW RGRP (North of 101)	12/1/2009	<13	14	<6.3	16	460	9.3	42	<250	<6.3	<6.3	770	<6.3	Weiss
REG-4A	MEW RGRP (North of 101)	12/13/2010	<13	10	<6.3	13	340	<6.3	<25	<25	<6.3	<6.3	790	<6.3	Weiss
REG-4A	MEW RGRP (North of 101)	10/5/2011	<10	9.3	<5.0	10	350	<5.0	<20	<20	<5.0	<5.0	660	<5.0	Weiss
REG-4A D	MEW RGRP (North of 101)	10/5/2011	<10	9.2	<5.0	11	350	<5.0	<20	<20	<5.0	<5.0	660	<5.0	Weiss
REG-5A	MEW RGRP (North of 101)	12/4/2007	<10	12	<5.0	12	410	5.9	6.0	<200	<5.0	<5.0	640	<5.0	Weiss
REG-5A	MEW RGRP (North of 101)	12/2/2008	<13	12	<6.3	8.7	400	17	<6.3	<250	6.7	<6.3	750	<6.3	Weiss
REG-5A	MEW RGRP (North of 101)	12/1/2009	<6.3	10	<3.1	8.9	350	15	<13	<130	6.3	<3.1	600	<3.1	Weiss
REG-5A	MEW RGRP (North of 101)	12/16/2010	<8.3	8.5	<4.2	8.5	320	8.5	<17	<17	4.6	<4.2	520	<4.2	Weiss
REG-5A	MEW RGRP (North of 101)	9/22/2011	<7.1	6.6	<3.6	6.6	290	6.6	<14	<14	3.8	<3.6	450	<3.6	Weiss
REG-6A	MEW RGRP (North of 101)	12/3/2007	<5.0	8.9	<2.5	5.3	400	6.1	2.9	<100	<2.5	<2.5	61	21	Weiss
REG-6A	MEW RGRP (North of 101)	12/3/2008	<3.3	7.4	<1.7	6.3	310	4.6	3.0	<67	<1.7	<1.7	42	12	Weiss
REG-6A	MEW RGRP (North of 101)	12/4/2009	<3.3	8.4	<1.7	7.3	410	4.1	<6.7	<67	<1.7	<1.7	37	12	Weiss
REG-6A	MEW RGRP (North of 101)	12/15/2010	<5.0	6.8	<2.5	5.0	310	3.5	<10	<10	<2.5	<2.5	32	9.6	Weiss
REG-6A	MEW RGRP (North of 101)	9/28/2011	<4.0	7.0	<2.0	4.0	330	4.1	<8.0	<8.0	<2.0	<2.0	32	7.6	Weiss
REG-7A	MEW RGRP (North of 101)	12/4/2007	<1.0	7.2	<0.5	8.5	230	2.2	3.2	<20	0.6	<0.5	300	3.2	Weiss
REG-7A	MEW RGRP (North of 101)	12/2/2008	<3.3	5.8	<1.7	4.9	200	3.4	6.8	<67	<1.7	<1.7	300	2.7	Weiss
REG-7A	MEW RGRP (North of 101)	12/4/2009	<2.5	5.6	<1.3	6.0	200	2.6	<5.0	<50	<1.3	<1.3	250	1.6	Weiss
REG-7A	MEW RGRP (North of 101)	12/15/2010	<3.3	4.6	<1.7	6.9	170	2.0	<6.7	<6.7	<1.7	<1.7	240	1.8	Weiss
REG-7A	MEW RGRP (North of 101)	10/5/2011	<4.0	4.0	<2.0	4.2	160	<2.0	<8.0	<8.0	<2.0	<2.0	180	<2.0	Weiss
REG-8A	MEW RGRP (North of 101)	12/4/2007	<1.0	4.0	<0.5	7.1	430	3.6	2.4	<20	<0.5	<0.5	190	18	Weiss
REG-8A	MEW RGRP (North of 101)	12/4/2008	<1.0	2.5	<0.5	4.0	230	2.6	0.8	<20	<0.5	<0.5	210	<0.5	Weiss
REG-8A	MEW RGRP (North of 101)	12/1/2009	<2.0	1.9	<1.0	2.7	210	3.5	<4.0	<40	<1.0	<1.0	160	<1.0	Weiss
REG-8A D	MEW RGRP (North of 101)	12/1/2009	<2.0	2.0	<1.0	3.2	220	3.0	<4.0	<40	<1.0	<1.0	160	<1.0	Weiss
REG-8A	MEW RGRP (North of 101)	12/10/2010	<3.3	2.0	<1.7	3.3	220	2.9	<6.7	<6.7	<1.7	<1.7	150	<1.7	Weiss
REG-8A D	MEW RGRP (North of 101)	12/10/2010	<2.5	2.0	<1.3	3.0	230	2.9	<5.0	<5.0	<1.3	<1.3	150	<1.3	Weiss
REG-8A	MEW RGRP (North of 101)	9/22/2011	<2.5	1.9	<1.3	2.7	210	3.5	<5.0	<5.0	<1.3	<1.3	160	<1.3	Weiss
REG-9A	MEW RGRP (North of 101)	12/4/2007	<1.0	1.0	<0.5	2.0	54	<0.5	1.2	<20	<0.5	<0.5	110	<0.5	Weiss
REG-9A	MEW RGRP (North of 101)	12/2/2008	<1.0	0.9	<0.5	1.5	49	0.6	2.3	<20	<0.5	<0.5	120	0.8	Weiss

Table J-1

Analytical Results - VOCs - RGRP Wells

Five Year Summary, January 2007 through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												Sampled By
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	
REG-9A	MEW RGRP (North of 101)	12/1/2009	<1.0	**1.0**	<0.5	**2.0**	**57**	**0.7**	<2.0	<20	<0.5	<0.5	**71**	**0.7**	Weiss
REG-9A	MEW RGRP (North of 101)	12/10/2010	<1.0	**0.8**	<0.5	**1.4**	**49**	<0.5	<2.0	<2.0	<0.5	<0.5	**79**	**0.9**	Weiss
REG-9A	MEW RGRP (North of 101)	10/4/2011	<1.4	<0.7	<0.7	**0.9**	**37**	<0.7	<2.9	<2.9	<0.7	<0.7	**73**	<0.7	Weiss
W89-03A-R	MEW RGRP (North of 101)	11/24/2008	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	Navy
W89-03A-R	MEW RGRP (North of 101)	12/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-03A-R	MEW RGRP (North of 101)	12/8/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W89-03A-R	MEW RGRP (North of 101)	9/28/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W89-04A-R	MEW RGRP (North of 101)	11/24/2008	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	Navy
W89-04A-R	MEW RGRP (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-04A-R	MEW RGRP (North of 101)	12/8/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W89-04A-R	MEW RGRP (North of 101)	9/28/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
REG-1A	MEW RGRP (South of 101)	11/13/2007	<1.0	**0.8**	<0.5	**1.2**	**8.7**	<0.5	**1.1**	<20	**0.5**	**0.8**	**91**	<0.5	Weiss
REG-1A	MEW RGRP (South of 101)	11/5/2008	<1.0	**0.8**	<0.5	**1.1**	**10**	<0.5	**0.8**	<20	**0.6**	**0.7**	**79**	<0.5	Weiss
REG-1A	MEW RGRP (South of 101)	11/10/2009	<1.0	**0.8**	<0.5	**1.2**	**12**	<0.5	<2.0	<20	**0.6**	**0.5**	**57**	<0.5	Weiss
REG-1A	MEW RGRP (South of 101)	11/18/2010	<1.0	**0.9**	<0.5	**1.4**	**9.9**	<0.5	<2.0	<2.0	<0.5	**0.5**	**61**	<0.5	Weiss
REG-1A	MEW RGRP (South of 101)	9/8/2011	<1.0	**0.7**	<0.5	**0.9**	**11**	<0.5	<2.0	<2.0	<0.5	<0.5	**53**	<0.5	Weiss
REG-10A	MEW RGRP (South of 101)	11/13/2007	<1.0	**3.1**	<0.5	**6.4**	**120**	**11**	<0.5	<20	<0.5	<0.5	**64**	**1.4**	Weiss
REG-10A	MEW RGRP (South of 101)	11/5/2008	<1.0	**4.9**	<0.5	**7.1**	**70**	**3.5**	<0.5	<20	<0.5	**0.5**	**77**	<0.7	Weiss
REG-10A	MEW RGRP (South of 101)	11/11/2009	<1.0	**5.0**	<0.5	**6.6**	**71**	**5.3**	<2.0	<20	<0.5	<0.5	**71**	<0.5	Weiss
REG-10A	MEW RGRP (South of 101)	11/18/2010	<1.0	**5.9**	<0.5	**6.6**	**62**	**3.5**	<2.0	<2.0	<0.5	<0.5	**68**	<0.5	Weiss
REG-10A	MEW RGRP (South of 101)	9/8/2011	<1.0	**4.2**	<0.5	**4.4**	**56**	**3.4**	<2.0	<2.0	<0.5	<0.5	**61**	<0.5	Weiss
REG-11A	MEW RGRP (South of 101)	11/14/2007	<2.0	<1.0	<1.0	<1.0	**14**	<1.0	<1.0	<40	<1.0	<1.0	**110**	<1.0	Weiss
REG-11A	MEW RGRP (South of 101)	11/5/2008	<2.5	**2.8**	<1.3	**6.0**	**51**	<1.3	**1.5**	<50	<1.3	<1.3	**200**	<1.3	Weiss
REG-11A	MEW RGRP (South of 101)	11/11/2009	<2.0	**3.9**	<1.0	**3.9**	**63**	**4.0**	<4.0	<40	<1.0	<1.0	**150**	<1.0	Weiss
REG-11A	MEW RGRP (South of 101)	11/22/2010	<2.0	**4.4**	<1.0	**5.9**	**63**	**1.1**	<4.0	<4.0	<1.0	<1.0	**160**	<1.0	Weiss
REG-11A	MEW RGRP (South of 101)	9/8/2011	<2.5	**4.1**	<1.3	**4.3**	**75**	**1.6**	<5.0	<5.0	<1.3	<1.3	**160**	<1.3	Weiss
REG-12A	MEW RGRP (South of 101)	11/14/2007	<2.0	<1.0	<1.0	<1.0	**12**	<1.0	**1.7**	<40	<1.0	**1.1**	**140**	<1.0	Weiss
REG-12A	MEW RGRP (South of 101)	11/5/2008	<1.7	<0.8	<0.8	<0.8	**8.5**	<0.8	**1.0**	<33	<0.8	**1.1**	**140**	<0.8	Weiss
REG-12A	MEW RGRP (South of 101)	11/11/2009	<1.0	**0.6**	<0.5	**0.9**	**13**	<0.5	<2.0	<20	**1**	**1.2**	**110**	<0.5	Weiss
REG-12A	MEW RGRP (South of 101)	11/18/2010	<1.0	**0.6**	<0.5	**0.9**	**11**	<0.5	<2.0	<2.0	**0.8**	**1.2**	**110**	<0.5	Weiss
REG-12A	MEW RGRP (South of 101)	9/9/2011	<2.0	<1.0	<1.0	<1.0	**9.7**	<1.0	<4.0	<4.0	<1.0	<1.0	**95**	<1.0	Weiss
REG-MW-1A	MEW RGRP (South of 101)	11/13/2007	<1.0	<0.5	<0.5	<0.5	**11**	<0.5	**1.5**	<20	<0.5	**0.9**	**140**	<0.5	Weiss
REG-MW-1A	MEW RGRP (South of 101)	11/7/2008	<2.5	<1.3	<1.3	<1.3	**11**	<1.3	<1.3	<50	<1.3	<1.3	**98**	<1.3	Weiss
REG-MW-1A	MEW RGRP (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	**10**	<0.5	<2.0	<20	<0.5	<0.5	**12**	<0.5	Weiss
REG-MW-1A	MEW RGRP (South of 101)	11/12/2010	<2.0	<1.0	<1.0	<1.0	**24**	<1.0	<4.0	<4.0	<1.0	<1.0	**150**	<1.0	Weiss
REG-MW-1A	MEW RGRP (South of 101)	9/22/2011	<2.5	<1.3	<1.3	<1.3	**27**	<1.3	<5.0	<5.0	<1.3	<1.3	**160**	<1.3	Weiss
REG-MW-2A	MEW RGRP (South of 101)	11/9/2007	<50	<25	<25	<25	**2700**	**40**	<25	<1000	<25	<25	**670**	**31**	Weiss
REG-MW-2A	MEW RGRP (South of 101)	11/13/2008	<6.3	**8.4**	<3.1	**12**	**850**	**12**	**9.6**	<130	<3.1	<3.1	**900**	**11**	Weiss
REG-MW-2A	MEW RGRP (South of 101)	11/16/2009	<6.3	**11**	<3.1	**18**	**4300**	**59**	<13	<130	<3.1	<3.1	**110**	**53**	Weiss
REG-MW-2A	MEW RGRP (South of 101)	11/22/2010	<10	**8.1**	<5.0	**13**	**880**	**12**	<20	<20	<5.0	<5.0	**940**	**25**	Weiss
REG-MW-2A	MEW RGRP (South of 101)	10/6/2011	<13	**8.2**	<6.3	**7.3**	**1200**	**18**	<25	<25	<6.3	<6.3	**1100**	**27**	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
RW-9A	MEW RGRP (South of 101)	8/8/2007	<7.1	<3.6	<3.6	<3.6	**350**	**4.9**	**4.8**	<140	<3.6	<3.6	**520**	<3.6	NorthGate
RW-9A	MEW RGRP (South of 101)	11/16/2007	<10	**6.2**	<5.0	**7.7**	**720**	**16**	**12**	<200	<5.0	<5.0	**850**	<5.0	Weiss
RW-9A	MEW RGRP (South of 101)	11/15/2008	<13	<6.3	<6.3	**6.4**	**880**	**10**	**8.3**	<250	<6.3	<6.3	**410**	<6.3	Weiss
RW-9A	MEW RGRP (South of 101)	11/17/2009	<20	<10	<10	**18**	**2700**	**18**	<40	<400	<10	<10	**470**	**12**	Weiss
RW-9A	MEW RGRP (South of 101)	11/22/2010	<3.3	**3.3**	<1.7	**4.2**	**250**	**3.9**	<6.7	<6.7	<1.7	<1.7	**440**	<1.7	Weiss
RW-9A	MEW RGRP (South of 101)	10/6/2011	<5.0	**3.2**	<2.5	<2.5	**340**	**4.7**	<10	<10	<2.5	<2.5	**340**	<2.5	Weiss
14D02A	NASA (North of 101)	12/11/2007	<0.50	**0.69**	<0.50	<0.50	**1.9**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
14D02A	NASA (North of 101)	12/23/2008	<0.50	<0.50	<0.50	<0.50	**1.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.7**	NASA
14D02A	NASA (North of 101)	12/14/2009	<0.50	<0.50	<0.50	<0.50	**1.9**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
14D02A	NASA (North of 101)	12/16/2010	<0.50	**0.93**	<0.50	<0.50	**1.7**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
14D02A	NASA (North of 101)	9/22/2011	<0.50	**0.70**	<0.50	<0.50	**0.74**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
14D09A	NASA (North of 101)	12/11/2007	<0.50	**2.1**	<0.50	**2.9**	**16**	<0.50	**1.2**	<0.50	<0.50	<0.50	**40**	**0.58**	NASA
14D09A	NASA (North of 101)	12/23/2008	<0.50	**1.6**	<0.50	**3.3**	**15**	<0.50	**1.1**	<0.50	<0.50	<0.50	**43**	**1.2**	NASA
14D09A D	NASA (North of 101)	12/23/2008	<0.50	**1.5**	<0.50	**3.0**	**14**	<0.50	**1.1**	<0.50	<0.50	<0.50	**42**	**1.4**	NASA
14D09A	NASA (North of 101)	12/15/2009	<0.50	**2.1**	<0.50	**2.8**	**20**	<0.50	**0.90**	<0.50	<0.50	<0.50	**49**	<0.50	NASA
14D09A	NASA (North of 101)	12/14/2010	<0.50	**2.3**	<0.50	**3.3**	**23**	**0.61**	**1.4**	<0.50	<0.50	<0.50	**37**	**0.98**	NASA
14D09A	NASA (North of 101)	9/22/2011	<0.50	**1.7**	<0.50	**1.9**	**20**	<0.50	<0.50	<0.50	<0.50	<0.50	**34**	**0.79**	NASA
14D13A	NASA (North of 101)	12/11/2007	<0.50	**0.82**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.4**	<0.50	NASA
14D13A	NASA (North of 101)	12/23/2008	<0.50	**0.60**	<0.50	<0.50	**0.60**	<0.50	<0.50	<0.50	<0.50	<0.50	**1.9**	<0.50	NASA
14D13A	NASA (North of 101)	12/15/2009	<0.50	**1.1**	<0.50	<0.50	**0.95**	<0.50	<0.50	<0.50	<0.50	<0.50	**2.4**	<0.50	NASA
14D13A	NASA (North of 101)	12/16/2010	<0.50	**0.81**	<0.50	<0.50	**7.8**	<0.50	<0.50	<0.50	<0.50	<0.50	**2.6**	<0.50	NASA
14D13A	NASA (North of 101)	9/22/2011	<0.50	**1.1**	<0.50	<0.50	**2.1**	<0.50	<0.50	<0.50	<0.50	<0.50	**2.5**	<0.50	NASA
14E14A	NASA (North of 101)	8/30/2007	<0.50	<0.50	<0.50	<0.50	**3.1**	<0.50	<0.50	<0.50	<0.50	<0.50	**1.6**	<0.50	NASA
14E14A	NASA (North of 101)	12/29/2008	<0.50	<0.50	<0.50	**1.4**	**2.6**	<0.50	<0.50	<0.50	<0.50	<0.50	**1.2**	<0.50	NASA
14E14A	NASA (North of 101)	12/15/2009	<0.50	<0.50	<0.50	<0.50	**6.0**	<0.50	<0.50	<0.50	<0.50	<0.50	**3.5**	<0.50	NASA
14E14A	NASA (North of 101)	12/13/2010	<0.50	<0.50	<0.50	<0.50	**6.2**	<0.50	<0.50	<0.50	<0.50	<0.50	**3.1**	<0.50	NASA
14E14A	NASA (North of 101)	9/23/2011	<0.50	<0.50	<0.50	<0.50	**5.9**	<0.50	<0.50	<0.50	<0.50	<0.50	**3.3**	<0.50	NASA
15H05A	NASA (North of 101)	12/13/2007	<0.50	<0.50	<0.50	<0.50	**0.55**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
15H05A	NASA (North of 101)	12/29/2008	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
15H05A	NASA (North of 101)	12/16/2009	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
15H05A	NASA (North of 101)	12/13/2010	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
15H05A	NASA (North of 101)	9/21/2011	<0.50	<0.50	<0.50	<0.50	**0.64**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NASA
R22A	Raytheon (South of 101)	12/4/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R22A	Raytheon (South of 101)	11/12/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R22A	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R22A	Raytheon (South of 101)	12/14/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R22A	Raytheon (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R24A	Raytheon (South of 101)	3/30/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	**0.5**	**15**	<0.5	Weiss for Raytheon
R24A	Raytheon (South of 101)	12/7/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	**0.7**	**12**	<0.5	Raytheon/Locus
R24A	Raytheon (South of 101)	12/17/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	**0.8**	**16**	<0.5	Locus for Raytheon
R24A	Raytheon (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**13**	<0.5	Raytheon/Locus

Table J-1

Analytical Results - VOCs - RGRP Wells

Five Year Summary, January 2007 through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
R25A	Raytheon (South of 101)	12/4/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9**	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R25A	Raytheon (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**1**	<20	<0.5	<0.5	<0.5	<0.5	Raytheon by Locus
R25A	Raytheon (South of 101)	12/5/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R25A	Raytheon (South of 101)	12/16/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R25A	Raytheon (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R29A	Raytheon (South of 101)	12/4/2007	<1.0	**3.1**	<0.5	**1.7**	<0.5	<0.5	**0.8**	<20	<0.5	**0.9**	<0.5	<0.5	Raytheon/Locus
R29A	Raytheon (South of 101)	11/11/2008	<1.0	**2.3**	<0.5	**1.7**	<0.5	<0.5	**0.6**	<20	<0.5	**0.6**	<0.5	<0.5	Raytheon by Locus
R29A	Raytheon (South of 101)	12/7/2009	<1.0	**2.5**	<0.5	**1.1**	<0.5	<0.5	<2.0	<20	<0.5	**0.5**	<0.5	<0.5	Raytheon/Locus
R29A	Raytheon (South of 101)	12/16/2010	<1.0	**2.3**	<0.5	**1.6**	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R29A	Raytheon (South of 101)	9/26/2011	<1.0	**2.3**	<0.5	**1.2**	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R31A	Raytheon (South of 101)	12/5/2007	<1.4	**4.8**	<0.7	**5.3**	**110**	**27**	<0.7	<29	<0.7	<0.7	**71**	<0.7	Raytheon/Locus
R31A D	Raytheon (South of 101)	12/5/2007	<1.7	**5.5**	<0.8	**6.1**	**110**	**27**	<0.8	<33	<0.8	<0.8	**74**	<0.8	Raytheon/Locus
R31A	Raytheon (South of 101)	11/12/2008	<1.0	**6.2**	<0.5	**10**	**69**	**9.7**	<0.5	<20	<0.5	<0.5	**82**	<0.5	Raytheon
R31A D	Raytheon (South of 101)	11/12/2008	<1.0	**7.2**	<0.5	**11**	**73**	**8.6**	<0.5	<20	<0.5	<0.5	**87**	<0.5	Raytheon
R31A	Raytheon (South of 101)	12/10/2009	<1.0	**11**	<0.5	**12**	**69**	**1.0**	<2.0	<20	<0.5	<0.5	**92**	<0.5	Raytheon/Locus
R31A	Raytheon (South of 101)	12/17/2010	<1.0	**9.6**	<0.5	**14**	**56**	**1.1**	<2.0	<2.0	<0.5	<0.5	**79**	<0.5	Locus for Raytheon
R31A D	Raytheon (South of 101)	12/17/2010	<1.0	**9.6**	<0.5	**13**	**55**	**1.2**	<2.0	<2.0	<0.5	<0.5	**79**	<0.5	Locus for Raytheon
R31A	Raytheon (South of 101)	9/29/2011	<1.0	**9.0**	<0.5	**12**	**68**	**1.2**	<2.0	<2.0	<0.5	<0.5	**92**	<0.5	Raytheon/Locus
R31A D	Raytheon (South of 101)	9/29/2011	<1.0	**7.0**	<0.5	**9.2**	**51**	**0.9**	<2.0	<2.0	<0.5	<0.5	**71**	<0.5	Raytheon/Locus
R32A	Raytheon (South of 101)	12/5/2007	<1.4	**1.6**	<0.7	**1.2**	**27**	<0.7	<0.7	<29	<0.7	<0.7	**79**	<0.7	Raytheon/Locus
R32A	Raytheon (South of 101)	11/12/2008	<1.0	**1.1**	<0.5	**1.2**	**21**	<0.5	<0.5	<20	<0.5	<0.5	**84**	<0.5	Raytheon
R32A	Raytheon (South of 101)	12/10/2009	<1.0	**1.5**	<0.5	**1.0**	**25**	**0.7**	<2.0	<20	<0.5	<0.5	**81**	<0.5	Raytheon/Locus
R32A	Raytheon (South of 101)	12/14/2010	<1.0	**1.3**	<0.5	**0.9**	**27**	**0.7**	<2.0	<2.0	<0.5	<0.5	**71**	<0.5	Locus for Raytheon
R32A	Raytheon (South of 101)	9/29/2011	<1.0	**1.3**	<0.5	**0.9**	**30**	**0.9**	<2.0	<2.0	<0.5	<0.5	**70**	<0.5	Raytheon/Locus
R43A	Raytheon (South of 101)	11/12/2008	<1.0	**11**	<0.5	**2.3**	<0.5	<0.5	<0.5	<20	<0.5	**0.5**	**2.6**	<0.5	Raytheon
R43A	Raytheon (South of 101)	12/7/2009	<1.0	**9.3**	<0.5	**1.9**	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**2.4**	<0.5	Raytheon/Locus
R43A	Raytheon (South of 101)	12/17/2010	<1.0	**13**	<0.5	**3.3**	<0.5	<0.5	<2.0	<2.0	<0.5	**0.6**	**2.6**	<0.5	Locus for Raytheon
R43A	Raytheon (South of 101)	9/29/2011	<1.0	**11**	<0.5	**2.3**	**0.7**	<0.5	<2.0	<2.0	<0.5	<0.5	**2.3**	<0.5	Raytheon/Locus
R46A	Raytheon (South of 101)	12/5/2007	<1.0	**1.1**	<0.5	<0.5	**3.5**	<0.5	<0.5	<20	<0.5	**1.4**	**9.1**	<0.5	Raytheon/Locus
R46A	Raytheon (South of 101)	11/11/2008	<1.0	**1.3**	<0.5	<0.5	**3.1**	<0.5	<0.5	<20	<0.5	**1.2**	**9.3**	<0.5	Raytheon by Locus
R46A	Raytheon (South of 101)	12/7/2009	<1.0	**1.4**	<0.5	<0.5	**2.3**	<0.5	<2.0	<20	<0.5	**1.2**	**7.5**	<0.5	Raytheon/Locus
R46A	Raytheon (South of 101)	12/17/2010	<1.0	**1.7**	<0.5	<0.5	**2.0**	<0.5	<2.0	<2.0	<0.5	**1.5**	**8.6**	<0.5	Locus for Raytheon
R46A	Raytheon (South of 101)	9/26/2011	<1.0	**1.0**	<0.5	<0.5	**2.6**	<0.5	<2.0	<2.0	<0.5	**0.8**	**10**	<0.5	Raytheon/Locus
R57A	Raytheon (South of 101)	12/5/2007	<1.0	<0.5	<0.5	<0.5	**2.0**	<0.5	<0.5	<20	<0.5	<0.5	**24**	<0.5	Raytheon/Locus
R57A	Raytheon (South of 101)	11/12/2008	<1.0	<0.5	<0.5	<0.5	**1.7**	<0.5	**1.4**	<20	<0.5	<0.5	**22**	<0.5	Raytheon
R57A	Raytheon (South of 101)	12/7/2009	<1.0	<0.5	<0.5	<0.5	**2.2**	<0.5	<2.0	<20	<0.5	<0.5	**16**	<0.5	Raytheon/Locus
R57A	Raytheon (South of 101)	12/14/2010	<1.0	<0.5	<0.5	<0.5	**2.2**	<0.5	<2.0	<2.0	<0.5	<0.5	**15**	<0.5	Locus for Raytheon
R57A	Raytheon (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	**1.3**	<0.5	<2.0	<2.0	<0.5	<0.5	**20**	<0.5	Raytheon/Locus
R59A	Raytheon (South of 101)	12/5/2007	<2.0	<1.0	<1.0	<1.0	**1.5**	<1.0	**1.2**	<40	<1.0	**2.1**	**120**	<1.0	Raytheon/Locus
R59A	Raytheon (South of 101)	11/12/2008	<1.0	<0.5	<0.5	**0.9**	**1.2**	<0.5	**1**	<20	**0.5**	**1.8**	**99**	<0.5	Raytheon
R59A	Raytheon (South of 101)	12/10/2009	<1.0	<0.5	<0.5	**0.6**	<0.5	<0.5	<2.0	<20	<0.5	**1.8**	**95**	<0.5	Raytheon/Locus

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
R59A	Raytheon (South of 101)	12/17/2010	<1.0	<0.5	<0.5	**0.9**	<0.5	<0.5	<2.0	<2.0	<0.5	**2.0**	**95**	<0.5	Locus for Raytheon
R59A	Raytheon (South of 101)	9/29/2011	<1.0	<0.5	<0.5	**0.5**	**0.7**	<0.5	<2.0	<2.0	<0.5	**1.1**	**81**	<0.5	Raytheon/Locus
SIL4A	Siltec (South of 101)	12/10/2007	<1.4	<0.7	<0.7	<0.7	**8.4**	<0.7	**0.8**	<29	**0.9**	**0.8**	**100**	<0.7	Weiss
SIL4A	Siltec (South of 101)	11/12/2008	<2.0	<1.0	<1.0	<1.0	**12**	<1.0	<1.0	<40	**1.2**	<1.0	**110**	<1.0	Weiss
SIL4A	Siltec (South of 101)	12/4/2008	<1.0	**0.6**	<0.5	<0.5	**11**	<0.5	**2.2**	<20	**1.2**	**1.2**	**100**	<0.5	Vishay by Geomatrix
SIL4A	Siltec (South of 101)	11/23/2009	<1.0	**0.5**	<0.5	**0.5**	**14**	<0.5	<2.0	<20	**1.3**	**1.0**	**73**	<0.5	Weiss
SIL4A	Siltec (South of 101)	12/3/2009	<1.0	**0.5**	<0.5	**0.5**	**13**	<0.5	<2.0	<20	**1.4**	**0.9**	**69**	<0.5	Vishay/AMEC Geomatrix
SIL4A	Siltec (South of 101)	11/22/2010	<1.0	<0.5	<0.5	<0.5	**10**	<0.5	<2.0	<2.0	**0.9**	**0.7**	**92**	<0.5	Weiss
SIL4A	Siltec (South of 101)	12/16/2010	<0.5	<0.5	<0.5	<0.5	**4.4**	<0.5	<2.0	<20	<0.5	**0.7**	**51**	<0.5	Vishay
SIL4A	Siltec (South of 101)	9/21/2011	<1.4	<0.7	<0.7	<0.7	**8.0**	<0.7	<2.9	<2.9	**0.8**	<0.7	**68**	<0.7	Weiss
SIL4A	Siltec (South of 101)	10/7/2011	<1.0	<0.5	<0.5	<0.5	**7.2**	<0.5	<2.0	<20	**0.7**	**0.6**	**78**	<0.5	Vishay/AMEC
SIL12A	Siltec (South of 101)	12/10/2007	<5.0	**9.9**	<2.5	**17**	**350**	**64**	**26**	<100	<2.5	**9.2**	**390**	<2.5	Weiss
SIL12A D	Siltec (South of 101)	12/10/2007	<5.0	**9.3**	<2.5	**15**	**310**	**54**	**28**	<100	<2.5	**9.9**	**410**	<2.5	Weiss
SIL12A	Siltec (South of 101)	11/12/2008	<6.3	**7.3**	<3.1	**13**	**190**	**16**	**35**	<130	**9.5**	**11**	**410**	<3.1	Weiss
SIL12A	Siltec (South of 101)	12/4/2008	<2.5	**6.5**	<1.3	**7.2**	**150**	**3.6**	**31**	<50	<1.3	**9.7**	**350**	<1.3	Vishay by Geomatrix
SIL12A D	Siltec (South of 101)	12/4/2008	<2.5	**6.6**	<1.3	**7.0**	**150**	**4.2**	**30**	<50	<1.3	**10**	**350**	<1.3	Vishay by Geomatrix
SIL12A	Siltec (South of 101)	11/23/2009	<4.0	**6.5**	<2.0	**6.1**	**150**	**7.5**	**27**	<80	<2.0	**8.6**	**360**	<2.0	Weiss
SIL12A	Siltec (South of 101)	12/3/2009	<4.0	**7.4**	<2.0	**8.7**	**170**	**3.7**	**32**	<80	<2.0	**8.7**	**310**	<2.0	Vishay/AMEC Geomatrix
SIL12A D	Siltec (South of 101)	12/3/2009	<4.0	**7.0**	<2.0	**8.4**	**170**	**4.6**	**32**	<80	<2.0	**8.3**	**390**	<2.0	Vishay/AMEC Geomatrix
SIL12A	Siltec (South of 101)	12/2/2010	<3.3	**6.7**	<1.7	**8.4**	**200**	**18**	**17**	<6.7	<1.7	**6.6**	**310**	<1.7	Weiss
SIL12A	Siltec (South of 101)	12/16/2010	<2.5	**5.3**	<2.5	**6.1**	**130**	<2.5	**20**	<100	<2.5	**7.3**	**350**	<2.5	Vishay
SIL12A D	Siltec (South of 101)	12/16/2010	<2.5	**5.5**	<2.5	**6.4**	**140**	<2.5	**20**	<100	<2.5	**7.4**	**350**	<2.5	Vishay
SIL12A	Siltec (South of 101)	9/21/2011	<5.0	**6.0**	<2.5	**7.0**	**160**	**2.9**	**21**	<10	<2.5	**6.7**	**360**	<2.5	Weiss
SIL12A	Siltec (South of 101)	10/7/2011	<5.0	**6.4**	<2.5	**4.8**	**180**	<2.5	**21**	<100	<2.5	**7.4**	**380**	<2.5	Vishay/AMEC
SIL12A D	Siltec (South of 101)	10/7/2011	<5.0	**6.1**	<2.5	**4.7**	**160**	<2.5	**20**	<100	<2.5	**7.0**	**360**	<2.5	Vishay/AMEC
W9-16	U.S. Navy (North of 101)	4/24/2008	<1.0	**6.2**	<0.5	<0.5	**22**	**0.9**	<0.5	<20	<0.5	<0.5	**0.7**	**5.9**	Weiss
W9-16	U.S. Navy (North of 101)	12/2/2008	**3.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W9-16	U.S. Navy (North of 101)	12/3/2009	<1.0	**2.2**	<0.5	<0.5	**2.0**	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W9-16	U.S. Navy (North of 101)	12/8/2010	<1.0	**7.2**	<0.5	<0.5	**4.2**	**1.7**	<2.0	<2.0	<0.5	<0.5	<0.5	**48**	Weiss
W9-16	U.S. Navy (North of 101)	10/4/2011	<1.0	**4.6**	<0.5	<0.5	**3.4**	**0.6**	<2.0	<2.0	<0.5	<0.5	**2.0**	**6.4**	Weiss
W9-38	U.S. Navy (North of 101)	4/23/2008	<10	**11**	<5.0	**12**	**340**	**12**	**11**	<200	<5.0	<5.0	**760**	<5.0	Weiss for Navy
W9-38	U.S. Navy (North of 101)	12/4/2008	<6.3	**9.9**	<3.1	**11**	**320**	**4.0**	**7.3**	<130	**3.6**	<3.1	**790**	<3.1	Weiss
W9-38	U.S. Navy (North of 101)	12/8/2009	<6.3	**11**	<3.1	**13**	**370**	**20**	**13**	<130	<3.1	<3.1	**820**	<3.1	Weiss
W9-38	U.S. Navy (North of 101)	11/19/2010	<4.2	**10**	<4.2	**14**	**350**	**7.6**	<17	<170	<4.2	<4.2	**670**	<4.2	Weiss/Geosyntec
W9-38	U.S. Navy (North of 101)	10/5/2011	<8.3	**8.0**	<4.2	**7.2**	**290**	<4.2	<17	<17	<4.2	<4.2	**440**	<4.2	Weiss
W12-6	U.S. Navy (North of 101)	4/24/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W12-6	U.S. Navy (North of 101)	12/9/2008	<1.0	**1.1**	<0.5	<0.5	**1.6**	<0.5	**2.9**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W12-6	U.S. Navy (North of 101)	12/3/2009	<1.0	**0.6**	<0.5	<0.5	**0.8**	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W12-6	U.S. Navy (North of 101)	12/3/2010	<1.0	**0.6**	<0.5	<0.5	**0.6**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W12-6	U.S. Navy (North of 101)	9/27/2011	<1.0	**0.6**	<0.5	<0.5	**0.7**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W14-3	U.S. Navy (North of 101)	4/24/2008	<1.0	**1.2**	<0.5	**0.7**	**2.2**	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
W14-3	U.S. Navy (North of 101)	12/8/2008	<1.0	**1.1**	<0.5	**0.8**	**1.9**	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W14-3	U.S. Navy (North of 101)	12/2/2009	<1.0	**1.1**	<0.5	**0.7**	**2.3**	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W14-3	U.S. Navy (North of 101)	12/9/2010	<1.0	**1.0**	<0.5	**0.6**	**2.3**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W14-3	U.S. Navy (North of 101)	9/27/2011	<1.0	**1.0**	<0.5	**0.5**	**2.4**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W60-2	U.S. Navy (North of 101)	4/24/2008	<2.0	**1.9**	<1.0	**3.4**	**10**	<1.0	<1.0	<40	<1.0	<1.0	**110**	<1.0	Weiss
W60-2	U.S. Navy (North of 101)	12/8/2008	<1.0	**2.2**	<0.5	**4.3**	**13**	<0.5	**1.5**	<20	<0.5	**1.0**	**120**	<0.5	Weiss
W60-2	U.S. Navy (North of 101)	12/4/2009	<1.0	**2.1**	<0.5	**3.9**	**11**	<0.5	<2.0	<20	<0.5	**0.7**	**89**	<0.5	Weiss
W60-2	U.S. Navy (North of 101)	12/10/2010	<1.0	**2.0**	<0.5	**3.3**	**11**	<0.5	<2.0	<2.0	<0.5	**0.5**	**83**	<0.5	Weiss
W60-2	U.S. Navy (North of 101)	9/30/2011	<1.0	**2.0**	<0.5	**2.7**	**9.4**	<0.5	<2.0	<2.0	<0.5	<0.5	**86**	<0.5	Weiss
W89-1	U.S. Navy (North of 101)	4/23/2008	<1.0	**0.6**	<0.5	**0.8**	**4.7**	<0.5	<0.5	<20	<0.5	**0.6**	**85**	<0.5	Weiss for Navy
W89-1	U.S. Navy (North of 101)	12/3/2008	<1.0	**0.7**	<0.5	**0.5**	**4.8**	<0.5	<1.0	<20	<0.5	**0.8**	**94**	<0.5	Weiss
W89-1	U.S. Navy (North of 101)	12/4/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.1**	<0.5	Weiss
W89-1	U.S. Navy (North of 101)	12/8/2010	<1.0	**0.7**	<0.5	**0.9**	**6.8**	<0.5	<2.0	<2.0	<0.5	<0.5	**65**	<0.5	Weiss
W89-1	U.S. Navy (North of 101)	10/4/2011	<1.0	**0.5**	<0.5	<0.5	**8.2**	<0.5	<2.0	<2.0	<0.5	<0.5	**77**	<0.5	Weiss
W89-2	U.S. Navy (North of 101)	4/22/2008	<1.0	**1.8**	<0.5	<0.5	**28**	<0.5	<0.5	<20	<0.5	<0.5	**5.4**	**3.1**	Weiss
W89-2	U.S. Navy (North of 101)	12/3/2008	<1.0	**4.1**	<0.5	**0.8**	**99**	**2.2**	**0.6**	<20	<0.5	<0.5	**10**	**51**	Weiss
W89-2	U.S. Navy (North of 101)	12/8/2009	<1.0	**1.1**	<0.5	<0.5	**5.8**	<0.5	<2.0	<20	<0.5	<0.5	<0.5	**8.5**	Weiss
W89-2	U.S. Navy (North of 101)	12/9/2010	<1.4	**2.3**	<0.7	**1.3**	**95**	**1.9**	<2.9	<2.9	<0.7	<0.7	**22**	**11**	Weiss
W89-2	U.S. Navy (North of 101)	9/28/2011	<1.0	**2.0**	<0.5	**1.6**	**97**	**2.1**	<2.0	<2.0	<0.5	<0.5	**39**	**2.8**	Weiss
W89-5	U.S. Navy (North of 101)	4/22/2008	<1.0	<0.5	<0.5	<0.5	**4.4**	<0.5	<0.5	<20	<0.5	<0.5	**25**	<0.5	Weiss
W89-5	U.S. Navy (North of 101)	12/2/2008	<1.0	<0.5	<0.5	<0.5	**3.8**	<0.5	<0.5	<20	<0.5	<0.5	**25**	<0.5	Weiss
W89-5	U.S. Navy (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	**3.9**	<0.5	<2.0	<20	<0.5	<0.5	**26**	<0.5	Weiss
W89-5	U.S. Navy (North of 101)	11/16/2010	<0.5	<0.5	<0.5	<0.5	**4.1**	<0.5	<2.0	<20	<0.5	<0.5	**16**	**0.7**	Geosyntec
W89-5	U.S. Navy (North of 101)	10/4/2011	<1.0	<0.5	<0.5	<0.5	**3.1**	<0.5	<2.0	<2.0	<0.5	<0.5	**9.7**	<0.5	Weiss
W89-7	U.S. Navy (North of 101)	4/23/2008	**1.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss for Navy
W89-7	U.S. Navy (North of 101)	4/23/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss for Navy
W89-7	U.S. Navy (North of 101)	12/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-7 D	U.S. Navy (North of 101)	12/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-7	U.S. Navy (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-7 D	U.S. Navy (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-7	U.S. Navy (North of 101)	11/22/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.7**	<0.5	Weiss/Geosyntec
W89-7 D	U.S. Navy (North of 101)	11/22/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**2.7**	<0.5	Weiss/Geosyntec
W89-7	U.S. Navy (North of 101)	9/28/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W89-8	U.S. Navy (North of 101)	4/23/2008	<1.0	**1.1**	<0.5	<0.5	**1.5**	<0.5	<0.5	<20	<0.5	<0.5	**1.1**	**3.2**	Weiss for Navy
W89-8	U.S. Navy (North of 101)	12/2/2008	<1.0	**0.6**	<0.5	<0.5	**1.1**	<0.5	<0.5	<20	<0.5	<0.5	<0.5	**2.8**	Weiss
W89-8	U.S. Navy (North of 101)	12/3/2009	<1.0	**0.9**	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-8	U.S. Navy (North of 101)	12/10/2010	<1.0	**3.4**	<0.5	<0.5	**12**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	**9.9**	Weiss
W89-8	U.S. Navy (North of 101)	10/5/2011	<1.0	**3.8**	<0.5	<0.5	**12**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	**11**	Weiss
W89-9	U.S. Navy (North of 101)	4/23/2008	<2.5	**3.4**	<1.3	**1.9**	**180**	**2.3**	<1.3	<50	<1.3	<1.3	**27**	**24**	Weiss for Navy
W89-9	U.S. Navy (North of 101)	12/1/2008	<1.0	**3.7**	<0.5	**2.6**	**150**	**2.7**	**2.2**	<20	<0.5	<0.5	**84**	**28**	Weiss
W89-9	U.S. Navy (North of 101)	12/4/2009	<2.0	**3.2**	<1.0	**3.5**	**240**	**2.6**	<4.0	<40	<1.0	<1.0	**100**	**15**	Weiss

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Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
W89-9	U.S. Navy (North of 101)	11/19/2010	<1.0	3.0	<1.0	4.0	190	2.5	<4.0	<40	<1.0	<1.0	110	7.2	Weiss/Geosyntec
W89-9	U.S. Navy (North of 101)	9/30/2011	<1.0	2.7	<0.5	2.9	180	1.7	<2.0	<2.0	<0.5	<0.5	130	12	Weiss
WT14-1	U.S. Navy (North of 101)	4/24/2008	<1.0	2.5	<0.5	1.3	<0.5	<0.5	1.4	<20	<0.5	2.8	<0.5	<0.5	Weiss
WT14-1	U.S. Navy (North of 101)	12/8/2008	<1.0	2.4	<0.5	1.3	<0.5	<0.5	1.7	<20	<0.5	2.6	<0.5	<0.5	Weiss
WT14-1	U.S. Navy (North of 101)	12/4/2009	<1.0	2.1	<0.5	1.3	<0.5	<0.5	<2.0	<20	<0.5	2.2	<0.5	<0.5	Weiss
WT14-1	U.S. Navy (North of 101)	12/9/2010	<1.0	2.4	<0.5	1.8	<0.5	<0.5	<2.0	<2.0	<0.5	2.2	<0.5	<0.5	Weiss
WT14-1	U.S. Navy (North of 101)	9/30/2011	<1.0	1.6	<0.5	1.1	<0.5	<0.5	<2.0	<2.0	<0.5	1.8	<0.5	<0.5	Weiss
WT14-1 D	U.S. Navy (North of 101)	9/30/2011	<1.0	1.6	<0.5	1.0	<0.5	<0.5	<2.0	<2.0	<0.5	1.6	<0.5	<0.5	Weiss
WU4-1	U.S. Navy (North of 101)	4/22/2008	<1.0	12	<0.5	21	730	7.9	8.4	<20	1.1	1.5	860	4.3	Weiss
WU4-1	U.S. Navy (North of 101)	12/2/2008	<10	8.8	<5.0	9.2	550	30	5.0	<200	<5.0	<5.0	790	<5.0	Weiss
WU4-1	U.S. Navy (North of 101)	12/8/2009	<7.1	6.3	<3.6	10	440	7.6	<14	<140	<3.6	<3.6	630	<3.6	Weiss
WU4-1	U.S. Navy (North of 101)	11/18/2010	<4.2	8.7	<4.2	14	770	15	<17	<170	<4.2	<4.2	590	<4.2	Weiss/Geosyntec
WU4-1	U.S. Navy (North of 101)	10/4/2011	<10	6.9	<5.0	9.9	770	5.6	<20	<20	<5.0	<5.0	540	<5.0	Weiss
WU4-3	U.S. Navy (North of 101)	11/19/2007	0.1	5	<0.5	7	100	0.8	14	0.2	1	0.5	880	0.3	Navy
WU4-3	U.S. Navy (North of 101)	11/24/2008	<2.0	4.4	<1.0	7.0	130	0.61	10	<2.0	0.53	0.41	530	<1.0	Navy
WU4-3	U.S. Navy (North of 101)	11/20/2009	<5.0	12	<2.5	30	660	3.5	62	<5.0	1.2	1.7	1400	13	Navy
WU4-3	U.S. Navy (North of 101)	11/19/2010	<50	<10	<5.0	<10	210	<20	<50	<10	<10	<50	490	<5.0	Navy
WU4-3 D	U.S. Navy (North of 101)	11/19/2010	<50	<10	<5.0	<10	220	<20	<50	<10	<10	<50	530	<5.0	Navy
WU4-3	U.S. Navy (North of 101)	9/16/2011	<10	1.7	<1.0	2.8	95	0.45	4.8	<2.0	0.23	<10	240	<1.0	Navy
WU4-16	U.S. Navy (North of 101)	4/24/2008	<1.0	3.4	<0.5	1.3	18	<0.5	<0.5	<20	<0.5	<0.5	1.1	1.3	Weiss
WU4-16	U.S. Navy (North of 101)	12/3/2008	<1.0	3.4	<0.5	1.2	15	<0.5	<0.5	<20	<0.5	<0.5	0.8	2.4	Weiss
WU4-16	U.S. Navy (North of 101)	12/3/2009	<1.0	3.9	<0.5	1.7	24	<0.5	<2.0	<20	<0.5	<0.5	1.1	4.3	Weiss
WU4-16	U.S. Navy (North of 101)	12/16/2010	<1.0	3.5	<0.5	0.6	6.8	<0.5	<2.0	<2.0	<0.5	<0.5	0.6	3.0	Weiss
WU4-16	U.S. Navy (North of 101)	9/27/2011	<1.0	2.7	<0.5	0.5	5.6	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	3.1	Weiss
WU4-18	U.S. Navy (North of 101)	4/24/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
WU4-18	U.S. Navy (North of 101)	12/3/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
WU4-18	U.S. Navy (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
WU4-18	U.S. Navy (North of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
WU4-18	U.S. Navy (North of 101)	9/27/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
A2/B1 Zone															
4B1	Fairchild (North of 101)	12/8/2009	<7.1	<3.6	<3.6	5.3	570	<3.6	<14	<140	<3.6	<3.6	11	<3.6	Weiss
4B1	Fairchild (North of 101)	12/10/2010	<7.1	<3.6	<3.6	5.6	630	7.1	<14	<14	<3.6	<3.6	9.5	<3.6	Weiss
4B1	Fairchild (North of 101)	10/3/2011	<10	<5.0	<5.0	5.5	780	<5.0	<20	<20	<5.0	<5.0	7.6	<5.0	Weiss
46B1	Fairchild (North of 101)	12/4/2007	<14	8.5	<7.1	15	230	<7.1	14	<290	<7.1	<7.1	940	<7.1	Weiss
46B1	Fairchild (North of 101)	12/5/2008	<14	<7.1	<7.1	<7.1	170	18	12	<290	<7.1	<7.1	840	<7.1	Weiss
46B1	Fairchild (North of 101)	12/8/2009	<6.3	9.2	<3.1	13	270	11	15	<130	<3.1	<3.1	780	<3.1	Weiss
46B1	Fairchild (North of 101)	12/13/2010	<5.0	5.3	<2.5	9.2	160	<2.5	<10	<10	<2.5	<2.5	560	<2.5	Weiss
46B1	Fairchild (North of 101)	10/3/2011	<10	7.4	<5.0	11	180	<5.0	<20	<20	<5.0	<5.0	580	<5.0	Weiss
47B1	Fairchild (North of 101)	11/19/2007	<0.5	3	<0.5	2	9	<2	0.6	<2	<2	0.1	1	0.2	Navy
47B1	Fairchild (North of 101)	12/3/2007	<1.0	2.6	<0.5	2.4	8.2	<0.5	0.8	<20	<0.5	<0.5	2.0	<0.5	Weiss

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47B1	Fairchild (North of 101)	12/5/2008	<1.0	**3.0**	<0.5	**2.5**	**11**	<0.5	**1**	<20	<0.5	<0.5	**4.4**	<0.5	Weiss
47B1	Fairchild (North of 101)	12/3/2009	<1.0	**3.7**	<0.5	**3.0**	**13**	<0.5	<2.0	<20	<0.5	<0.5	**2.1**	<0.5	Weiss
47B1	Fairchild (North of 101)	12/9/2010	<1.0	**4.6**	<0.5	**4.4**	**12**	<0.5	<2.0	<2.0	<0.5	<0.5	**2.3**	<0.5	Weiss
47B1	Fairchild (North of 101)	10/5/2011	<1.0	**0.9**	<0.5	**2.7**	**3.4**	<0.5	<2.0	<2.0	<0.5	<0.5	**3.4**	<0.5	Weiss
48B1	Fairchild (North of 101)	12/3/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
48B1	Fairchild (North of 101)	12/8/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
48B1	Fairchild (North of 101)	12/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
48B1	Fairchild (North of 101)	12/2/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
48B1	Fairchild (North of 101)	9/30/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
49B1	Fairchild (North of 101)	12/3/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
49B1	Fairchild (North of 101)	12/8/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
49B1	Fairchild (North of 101)	12/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
49B1	Fairchild (North of 101)	12/8/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
49B1	Fairchild (North of 101)	10/3/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
50B1	Fairchild (North of 101)	12/4/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
50B1	Fairchild (North of 101)	12/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.7**	<0.5	Weiss
50B1	Fairchild (North of 101)	12/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
50B1	Fairchild (North of 101)	12/8/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
50B1	Fairchild (North of 101)	10/5/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
68B1	Fairchild (North of 101)	12/4/2007	<14	<7.1	<7.1	**7.6**	**77**	<7.1	**8.4**	<290	<7.1	<7.1	**1200**	<7.1	Weiss
68B1	Fairchild (North of 101)	12/3/2008	<6.3	<3.1	<3.1	<3.1	**29**	<3.1	<3.1	<130	<3.1	<3.1	**430**	<3.1	Weiss
68B1	Fairchild (North of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	**3.9**	<0.5	<2.0	<20	<0.5	<0.5	**87**	<0.5	Weiss
68B1	Fairchild (North of 101)	11/17/2010	<5.0	<5.0	<5.0	**5.7**	**120**	<5.0	<20	<100	<5.0	<5.0	**970**	**31**	Geosyntec
68B1	Fairchild (North of 101)	9/28/2011	<7.1	<3.6	<3.6	<3.6	**43**	<3.6	<14	<14	<3.6	<3.6	**260**	<3.6	Weiss
78B1	Fairchild (North of 101)	12/3/2007	<2.0	<1.0	<1.0	**1.7**	**1.5**	<1.0	**5.0**	<40	<1.0	<1.0	**130**	<1.0	Weiss
78B1	Fairchild (North of 101)	12/2/2008	<1.7	**1**	<0.8	**2.3**	**1.6**	<0.8	**6.7**	<33	<0.8	**0.9**	**140**	<0.8	Weiss
78B1	Fairchild (North of 101)	12/4/2009	<1.0	**1.1**	<0.5	**3.5**	**2.2**	<0.5	**5.6**	<20	<0.5	**0.8**	**140**	<0.5	Weiss
78B1	Fairchild (North of 101)	12/6/2010	<1.0	**0.9**	<0.5	**2.6**	**2.0**	<0.5	**3.7**	<2.0	<0.5	**0.6**	**120**	<0.5	Weiss
78B1	Fairchild (North of 101)	9/30/2011	<1.0	**1.0**	<0.5	**2.4**	**2.1**	<0.5	**3.3**	<2.0	<0.5	<0.5	**130**	<0.5	Weiss
79B1	Fairchild (North of 101)	11/19/2007	<0.5	**2**	<0.5	**0.2**	**0.5**	<2	**3**	**0.2**	<2	<2	**0.5**	<0.5	Navy
79B1	Fairchild (North of 101)	12/4/2007	<1.0	**4.7**	<0.5	**1.6**	**2.0**	<0.5	**7.7**	<20	<0.5	<0.5	**0.7**	<0.5	Weiss
79B1	Fairchild (North of 101)	12/1/2008	<1.0	**1.5**	<0.5	<0.5	<0.5	<0.5	**3.2**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
79B1	Fairchild (North of 101)	12/3/2009	<1.0	**4.3**	<0.5	**2.0**	**1.8**	<0.5	**8.4**	<20	<0.5	<0.5	**0.9**	<0.5	Weiss
79B1	Fairchild (North of 101)	12/9/2010	<1.0	**7.4**	<0.5	**6.9**	**2.5**	<0.5	**13**	<2.0	<0.5	<0.5	**3.3**	<0.5	Weiss
79B1	Fairchild (North of 101)	9/30/2011	<1.0	**4.8**	<0.5	**5.2**	**2.8**	<0.5	**8.7**	<2.0	<0.5	<0.5	**7.8**	<0.5	Weiss
81B1	Fairchild (North of 101)	12/3/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
81B1	Fairchild (North of 101)	12/9/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
81B1	Fairchild (North of 101)	11/30/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
81B1	Fairchild (North of 101)	12/28/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
81B1	Fairchild (North of 101)	10/12/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	Weiss
83B1	Fairchild (North of 101)	12/3/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss

Table J-1

Analytical Results - VOCs - RGRP Wells

Five Year Summary, January 2007 through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
83B1	Fairchild (North of 101)	12/9/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
83B1	Fairchild (North of 101)	11/30/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
83B1	Fairchild (North of 101)	12/28/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
83B1	Fairchild (North of 101)	10/12/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	Weiss
87B1	Fairchild (North of 101)	12/4/2007	<1.0	<0.5	<0.5	<0.5	**1.2**	<0.5	**1.4**	<20	<0.5	<0.5	**62**	<0.5	Weiss
87B1	Fairchild (North of 101)	12/9/2008	<1.0	<0.5	<0.5	<0.5	**0.8**	<0.5	**2.4**	<20	<0.5	<0.5	**66**	<0.5	Weiss
87B1	Fairchild (North of 101)	12/7/2009	<1.0	<0.5	<0.5	<0.5	**1.1**	<0.5	**2.3**	<20	<0.5	<0.5	**56**	<0.5	Weiss
87B1	Fairchild (North of 101)	12/10/2010	<1.0	<0.5	<0.5	<0.5	**0.6**	**0.8**	<2.0	<2.0	<0.5	<0.5	**5.4**	<0.5	Weiss
87B1	Fairchild (North of 101)	10/12/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	**5.4**	<0.50	Weiss
139B1	Fairchild (North of 101)	12/3/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**35**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
139B1	Fairchild (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**18**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
139B1	Fairchild (North of 101)	11/22/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	**35**	<20	<0.5	<0.5	**0.7**	<0.5	Weiss/Geosyntec
139B1	Fairchild (North of 101)	9/27/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**49**	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
154B1	Fairchild (North of 101)	12/3/2008	<4.0	**7.5**	<2.0	**16**	**270**	<2.0	**21**	<80	<2.0	<2.0	**400**	**24**	Weiss
154B1	Fairchild (North of 101)	12/4/2009	<4.0	**10**	<2.0	**11**	**520**	**3.0**	**14**	<80	<2.0	<2.0	**92**	**54**	Weiss
154B1	Fairchild (North of 101)	12/15/2010	<13	**13**	<6.3	**25**	**950**	<6.3	<25	<25	<6.3	<6.3	**63**	**65**	Weiss
154B1	Fairchild (North of 101)	9/27/2011	<7.1	**15**	<3.6	**20**	**950**	**5.4**	**17**	<14	<3.6	<3.6	**26**	**55**	Weiss
155B1	Fairchild (North of 101)	12/3/2007	<1.0	**1.4**	<0.5	**2.8**	**0.9**	<0.5	**6.6**	<20	<0.5	**1.1**	**68**	<0.5	Weiss
155B1	Fairchild (North of 101)	12/2/2008	<1.0	**1.2**	<0.5	**2.7**	**0.9**	<0.5	**8.3**	<20	<0.5	**1.4**	**98**	<0.5	Weiss
155B1	Fairchild (North of 101)	12/4/2009	<1.0	**1.0**	<0.5	**2.9**	**0.9**	<0.5	**6.8**	<20	<0.5	**1.2**	**77**	<0.5	Weiss
155B1	Fairchild (North of 101)	12/6/2010	<1.0	**0.8**	<0.5	**2.3**	**0.9**	<0.5	**4.9**	<2.0	<0.5	**0.8**	**60**	<0.5	Weiss
155B1	Fairchild (North of 101)	9/30/2011	<1.0	**1.0**	<0.5	**2.0**	**1.0**	<0.5	**3.9**	<2.0	<0.5	**0.6**	**55**	<0.5	Weiss
8B1	Fairchild (South of 101)	11/13/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
8B1	Fairchild (South of 101)	11/6/2008	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	Weiss
8B1	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
8B1	Fairchild (South of 101)	11/11/2010	<1.0	<0.5	<0.5	<0.5	**1.7**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
8B1	Fairchild (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
13B1	Fairchild (South of 101)	11/12/2007	<4.0	<2.0	<2.0	**4.8**	**20**	<2.0	**3.1**	<80	<2.0	<2.0	**280**	<2.0	Weiss
13B1	Fairchild (South of 101)	11/6/2008	<0.50	**1.5**	<0.50	**5.3**	**23**	<0.50	**2.0**	<0.50	<0.50	**0.87**	**320**	<0.50	Weiss
13B1	Fairchild (South of 101)	11/11/2009	<1.7	**2.0**	<0.8	**4.6**	**17**	<0.8	<3.3	<33	<0.8	<0.8	**190**	<0.8	Weiss
13B1	Fairchild (South of 101)	11/12/2010	<2.0	<2.0	<2.0	<2.0	**14**	<2.0	<8.0	<80	<2.0	<2.0	**230**	<2.0	Weiss/Geosyntec
13B1	Fairchild (South of 101)	9/26/2011	<3.3	<1.7	<1.7	**2.2**	**16**	<1.7	<6.7	<6.7	<1.7	<1.7	**240**	<1.7	Weiss
14B1	Fairchild (South of 101)	11/13/2007	<1.0	<0.5	<0.5	**1.6**	**8.5**	<0.5	**0.8**	<20	<0.5	**1**	**79**	<0.5	Weiss
14B1	Fairchild (South of 101)	11/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**4.0**	<0.5	Weiss
14B1	Fairchild (South of 101)	11/10/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**4.1**	<0.5	Weiss
14B1	Fairchild (South of 101)	11/18/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**3.6**	<0.5	Weiss
14B1	Fairchild (South of 101)	9/22/2011	<1.0	<0.5	<0.5	**1.4**	**8.1**	<0.5	<2.0	<2.0	<0.5	**0.7**	**92**	<0.5	Weiss
26B1	Fairchild (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
26B1	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
26B1	Fairchild (South of 101)	11/6/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
26B1	Fairchild (South of 101)	11/5/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
26B1	Fairchild (South of 101)	9/16/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
32B1	Fairchild (South of 101)	11/14/2007	<25	<13	<13	<13	**32**	<13	**26**	<500	<13	<13	**1500**	<13	Weiss
32B1	Fairchild (South of 101)	11/6/2008	<0.50	<0.50	<0.50	**1.1**	**7.1**	<0.50	**1.3**	<0.50	<0.50	<0.50	**440**	<0.50	Weiss
32B1	Fairchild (South of 101)	11/14/2009	<1.0	<0.5	<0.5	**0.9**	**5.7**	<0.5	<2.0	<20	<0.5	<0.5	**430**	<0.5	Weiss
32B1	Fairchild (South of 101)	11/22/2010	<1.0	<0.5	<0.5	**1.5**	**4.8**	<0.5	<2.0	<2.0	<0.5	<0.5	**370**	<0.5	Weiss
32B1	Fairchild (South of 101)	9/26/2011	<13	<6.3	<6.3	<6.3	**150**	**13**	**38**	<25	<6.3	<6.3	**1200**	<6.3	Weiss
33B1	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	**0.6**	**4.5**	<0.5	**1.1**	<20	<0.5	**0.7**	**37**	<0.5	Weiss
33B1	Fairchild (South of 101)	11/13/2008	<2.5	<1.3	<1.3	<1.3	**6.8**	<1.3	<1.3	<50	<1.3	<1.3	<1.3	<1.3	Weiss
33B1 D	Fairchild (South of 101)	11/13/2008	<3.3	<1.7	<1.7	<1.7	**7.9**	<1.7	<1.7	<67	<1.7	<1.7	<1.7	<1.7	Weiss
33B1	Fairchild (South of 101)	11/18/2009	<20	<10	<10	<10	<10	<10	<40	<400	<10	<10	<10	<10	Weiss
33B1 D	Fairchild (South of 101)	11/18/2009	<63	<31	<31	<31	<31	<31	<130	<1300	<31	<31	<31	<31	Weiss
33B1	Fairchild (South of 101)	11/10/2010	<1.0	<0.5	<0.5	<0.5	**1.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**24**	<0.5	Weiss
33B1 D	Fairchild (South of 101)	11/10/2010	<1.0	<0.5	<0.5	<0.5	**1.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**29**	<0.5	Weiss
33B1	Fairchild (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	**2.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**5.6**	<0.5	Weiss
56B1	Fairchild (South of 101)	11/13/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.8**	<0.5	Weiss
56B1	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
56B1	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
56B1	Fairchild (South of 101)	11/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
56B1	Fairchild (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
67B1	Fairchild (South of 101)	11/27/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9**	<20	<0.5	<0.5	**9.5**	<0.5	Weiss
67B1	Fairchild (South of 101)	11/12/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**1.1**	<20	<0.5	**0.5**	**14**	<0.5	Weiss
67B1	Fairchild (South of 101)	11/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**14**	<0.5	Weiss
67B1	Fairchild (South of 101)	11/15/2010	<1.0	<0.5	<0.5	**0.6**	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**13**	<0.5	Weiss
67B1	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**14**	<0.5	Weiss
74B1	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	**0.7**	<0.5	<0.5	<20	<0.5	<0.5	**1**	<0.5	Weiss
74B1	Fairchild (South of 101)	11/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.3**	<0.5	Weiss
74B1	Fairchild (South of 101)	11/6/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
74B1	Fairchild (South of 101)	11/5/2010	<1.0	<0.5	<0.5	<0.5	**0.6**	<0.5	<2.0	<2.0	<0.5	<0.5	**1.0**	<0.5	Weiss
74B1	Fairchild (South of 101)	9/23/2011	<1.0	<0.5	<0.5	<0.5	**0.7**	<0.5	<2.0	<2.0	<0.5	<0.5	**0.9**	<0.5	Weiss
77B1	Fairchild (South of 101)	11/14/2007	<40	<20	<20	<20	**400**	<20	**41**	<800	<20	<20	**2500**	<20	Weiss
77B1	Fairchild (South of 101)	11/6/2008	<0.50	**6.9**	<0.50	**8.8**	**580**	**17**	**2.6**	<0.50	**0.51**	<0.50	**850**	**0.53**	Weiss
77B1	Fairchild (South of 101)	11/16/2009	<10	**6.9**	<5.0	**9.6**	**650**	<5.0	<20	<200	<5.0	<5.0	**500**	<5.0	Weiss
77B1	Fairchild (South of 101)	11/12/2010	<5.0	**6.5**	<5.0	**8.5**	**590**	**5.2**	<20	<200	<5.0	<5.0	**480**	<5.0	Weiss/Geosyntec
77B1	Fairchild (South of 101)	9/23/2011	<25	<13	<13	<13	**320**	<13	<50	<50	<13	<13	**1300**	<13	Weiss
77B1 D	Fairchild (South of 101)	9/23/2011	<20	<10	<10	**11**	**320**	<10	<40	<40	<10	<10	**1600**	<10	Weiss
91B1	Fairchild (South of 101)	11/8/2007	<1.4	**2.7**	<0.7	**1.3**	**62**	**1.7**	**1.0**	<29	<0.7	<0.7	**120**	<0.7	Weiss
91B1	Fairchild (South of 101)	11/11/2008	<1.0	**3.5**	<0.5	**2.7**	**74**	**0.9**	**1.7**	<20	<0.5	**0.6**	**120**	<0.5	Weiss
91B1	Fairchild (South of 101)	11/23/2009	<1.0	**1.1**	<0.5	<0.5	**23**	<0.5	<2.0	<20	<0.5	<0.5	**30**	<0.5	Weiss
91B1	Fairchild (South of 101)	11/22/2010	<1.0	**2.3**	<0.5	**1.4**	**52**	**0.7**	<2.0	<2.0	<0.5	<0.5	**68**	<0.5	Weiss
91B1	Fairchild (South of 101)	9/21/2011	<2.0	**2.1**	<1.0	**1.4**	**52**	**1.4**	<4.0	<4.0	<1.0	<1.0	**98**	<1.0	Weiss
92B1	Fairchild (South of 101)	11/8/2007	<2.0	<1.0	<1.0	<1.0	**3.8**	<1.0	<1.0	<40	<1.0	<1.0	**94**	<1.0	Weiss

Table J-1

Analytical Results - VOCs - RGRP Wells

Five Year Summary, January 2007 through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
92B1	Fairchild (South of 101)	11/18/2008	<2.0	<1.0	<1.0	<1.0	**4.8**	<1.0	**1.2**	<40	<1.0	<1.0	**98**	<1.0	Weiss
92B1	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	**3.3**	<0.5	<2.0	<20	<0.5	<0.5	**91**	<0.5	Weiss
92B1	Fairchild (South of 101)	11/22/2010	<1.0	<0.5	<0.5	<0.5	**3.7**	<0.5	<2.0	<2.0	<0.5	<0.5	**90**	<0.5	Weiss
92B1	Fairchild (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	**3.9**	<0.5	<2.0	<2.0	<0.5	<0.5	**98**	<0.5	Weiss
92B1 D	Fairchild (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	**3.8**	<0.5	<2.0	<2.0	<0.5	<0.5	**93**	<0.5	Weiss
98B1	Fairchild (South of 101)	11/8/2007	<1.0	**1.2**	<0.5	**0.9**	**42**	<0.5	<0.5	<20	<0.5	<0.5	**72**	<0.5	Weiss
98B1	Fairchild (South of 101)	11/11/2008	<1.0	**1.2**	<0.5	**1.0**	**43**	<0.5	**0.6**	<20	<0.5	<0.5	**81**	<0.5	Weiss
98B1	Fairchild (South of 101)	11/11/2009	<1.0	**1.0**	<0.5	**1.0**	**38**	<0.5	<2.0	<20	<0.5	<0.5	**49**	<0.5	Weiss
98B1	Fairchild (South of 101)	11/9/2010	<1.0	**1.0**	<0.5	**0.7**	**36**	<0.5	<2.0	<2.0	<0.5	<0.5	**62**	<0.5	Weiss
98B1	Fairchild (South of 101)	9/22/2011	<1.0	**1.0**	<0.5	**0.8**	**37**	<0.5	<2.0	<2.0	<0.5	<0.5	**57**	<0.5	Weiss
103B1	Fairchild (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	**44**	<0.5	<0.5	<20	<0.5	<0.5	**5.2**	**1**	Weiss
103B1	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**8.9**	<0.5	Weiss
103B1	Fairchild (South of 101)	11/10/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**5.7**	<0.5	Weiss
103B1	Fairchild (South of 101)	11/9/2010	<1.0	<0.5	<0.5	<0.5	**2.4**	<0.5	<2.0	<2.0	<0.5	<0.5	**77**	<0.5	Weiss
103B1	Fairchild (South of 101)	9/9/2011	<1.4	<0.7	<0.7	<0.7	**2.1**	<0.7	<2.9	<2.9	<0.7	<0.7	**92**	<0.7	Weiss
105B1	Fairchild (South of 101)	11/12/2007	<4.0	**4.0**	<2.0	**9.5**	**26**	<2.0	**2.9**	<80	<2.0	<2.0	**330**	<2.0	Weiss
105B1	Fairchild (South of 101)	11/6/2008	<0.50	**3.9**	<0.50	**9.9**	**28**	<0.50	**1.2**	<0.50	<0.50	**1.8**	**320**	<0.50	Weiss
105B1	Fairchild (South of 101)	11/24/2009	<3.3	**2.1**	<1.7	**3.7**	**14**	<1.7	<6.7	<67	<1.7	<1.7	**310**	<1.7	Weiss
105B1	Fairchild (South of 101)	11/23/2010	<2.5	**3.4**	<1.3	**8.5**	**16**	<1.3	<5.0	<5.0	<1.3	**1.6**	**270**	<1.3	Weiss
105B1	Fairchild (South of 101)	9/22/2011	<4.0	**2.5**	<2.0	**5.2**	**18**	<2.0	<8.0	<8.0	<2.0	<2.0	**300**	<2.0	Weiss
112B1	Fairchild (South of 101)	11/9/2007	<2.0	<1.0	<1.0	<1.0	**5.8**	<1.0	<1.0	<40	<1.0	<1.0	**130**	<1.0	Weiss
112B1	Fairchild (South of 101)	11/12/2008	<1.7	<0.8	<0.8	<0.8	**6.6**	<0.8	<0.8	<33	<0.8	<0.8	**120**	<0.8	Weiss
112B1	Fairchild (South of 101)	11/11/2009	<1.0	<0.5	<0.5	**0.9**	**7.5**	<0.5	<2.0	<20	<0.5	**0.6**	**97**	<0.5	Weiss
112B1	Fairchild (South of 101)	11/9/2010	<0.7	<0.7	<0.7	<0.7	**5.5**	<0.7	<2.9	<29	<0.7	<0.7	**120**	<0.7	Weiss/Geosyntec
112B1	Fairchild (South of 101)	9/26/2011	<2.0	**1.0**	<1.0	**1.7**	**14**	<1.0	<4.0	<4.0	<1.0	<1.0	**150**	<1.0	Weiss
119B1	Fairchild (South of 101)	11/8/2007	<13	<6.3	<6.3	<6.3	**93**	<6.3	<6.3	<250	<6.3	<6.3	**640**	<6.3	Weiss
119B1	Fairchild (South of 101)	11/11/2008	<6.3	<3.1	<3.1	**3.2**	**84**	<3.1	**5.2**	<130	<3.1	<3.1	**620**	<3.1	Weiss
119B1	Fairchild (South of 101)	11/23/2009	<6.3	<3.1	<3.1	<3.1	**50**	<3.1	<13	<130	<3.1	<3.1	**380**	<3.1	Weiss
119B1 D	Fairchild (South of 101)	11/23/2009	<5.0	<2.5	<2.5	<2.5	**71**	**3.2**	<10	<100	<2.5	<2.5	**390**	<2.5	Weiss
119B1	Fairchild (South of 101)	11/23/2010	<5.0	**2.8**	<2.5	**4.5**	**59**	<2.5	<10	<10	<2.5	<2.5	**460**	<2.5	Weiss
119B1	Fairchild (South of 101)	10/6/2011	<8.3	<4.2	<4.2	<4.2	**59**	<4.2	<17	<17	<4.2	<4.2	**390**	<4.2	Weiss
122B1	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
122B1	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
122B1	Fairchild (South of 101)	11/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
122B1	Fairchild (South of 101)	11/23/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**10**	<0.5	Weiss/Geosyntec
122B1 D	Fairchild (South of 101)	11/23/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**12**	<0.5	Weiss/Geosyntec
122B1	Fairchild (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
124B1	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
124B1	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9**	<20	<0.5	<0.5	<0.5	<0.5	Weiss
124B1	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
124B1	Fairchild (South of 101)	11/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
124B1	Fairchild (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
140B1	Fairchild (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.8**	<20	<0.5	<0.5	**7.0**	<0.5	Weiss
140B1	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<20	<0.5	<0.5	**4.9**	<0.5	Weiss
140B1	Fairchild (South of 101)	11/10/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**4.7**	<0.5	Weiss
140B1	Fairchild (South of 101)	11/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**4.9**	<0.5	Weiss
140B1	Fairchild (South of 101)	9/30/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**4.2**	<0.5	Weiss
143B1	Fairchild (South of 101)	11/13/2007	<40	<20	<20	<20	**120**	<20	**310**	<800	<20	<20	**2600**	<20	Weiss
143B1	Fairchild (South of 101)	11/6/2008	<0.50	**4.4**	<0.50	**12**	**290**	**2.0**	**200**	<0.50	**2.3**	**1.7**	**5400**	<0.50	Weiss
143B1	Fairchild (South of 101)	11/16/2009	<7.1	**5.7**	<3.6	**16**	**260**	**5.3**	**140**	<140	**4.0**	<3.6	**4000**	<3.6	Weiss
143B1	Fairchild (South of 101)	11/22/2010	<33	<17	<17	<17	**83**	<17	<67	<67	<17	<17	**2800**	<17	Weiss
143B1	Fairchild (South of 101)	9/23/2011	<25	<13	<13	<13	**290**	<13	**76**	<50	<13	<13	**1300**	<13	Weiss
RW-2(B1)	Fairchild (South of 101)	11/14/2007	<5.0	<2.5	<2.5	**5.0**	**34**	<2.5	**100**	<100	<2.5	**56**	**360**	<2.5	Weiss
RW-2(B1)	Fairchild (South of 101)	11/11/2008	<3.3	**1.7**	<1.7	**3.3**	**31**	<1.7	**69**	<67	<1.7	**31**	**330**	<1.7	Weiss
RW-2(B1)	Fairchild (South of 101)	11/23/2009	<3.3	<1.7	<1.7	**3.0**	**29**	<1.7	**56**	<67	<1.7	**27**	**220**	<1.7	Weiss
RW-2(B1)	Fairchild (South of 101)	12/2/2010	<2.0	**1.4**	<1.0	**2.4**	**27**	<1.0	**46**	<4.0	<1.0	**25**	**270**	<1.0	Weiss
RW-2(B1)	Fairchild (South of 101)	10/6/2011	<3.3	<1.7	<1.7	**1.9**	**21**	<1.7	**30**	<6.7	<1.7	**15**	**190**	<1.7	Weiss
RW-4(B1)	Fairchild (South of 101)	8/8/2007	<33	<17	<17	<17	**230**	**110**	**9.2**	<670	<17	<17	**2200**	<17	NorthGate
RW-4(B1)	Fairchild (South of 101)	11/27/2007	<40	<20	<20	<20	**330**	<20	<20	<800	<20	<20	**2100**	<20	Weiss
RW-4(B1)	Fairchild (South of 101)	11/18/2008	<33	<17	<17	<17	**840**	<17	<17	<670	<17	<17	**2000**	<17	Weiss
RW-4(B1)	Fairchild (South of 101)	11/6/2009	<1.0	**1.6**	<0.5	**8.4**	**390**	**8.8**	<2.0	<20	<0.5	<0.5	**2600**	**1.6**	Weiss
RW-4(B1)	Fairchild (South of 101)	11/17/2010	<20	<10	<10	<10	**140**	**57**	<40	<40	<10	<10	**1400**	<10	Weiss
RW-4(B1)	Fairchild (South of 101)	9/15/2011	<10	<5.0	<5.0	<5.0	**270**	**90**	<20	<20	<5.0	<5.0	**1500**	<5.0	Weiss
I9B1	Intel (South of 101)	11/26/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**2.0**	<0.5	Intel/Weiss
I9B1	Intel (South of 101)	12/9/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.6**	<0.5	Intel/Weiss
I9B1	Intel (South of 101)	12/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.8**	<0.5	Intel/Weiss
I9B1	Intel (South of 101)	11/19/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**3.0**	<0.5	Weiss/Geosyntec
I9B1	Intel (South of 101)	10/18/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**1.8**	<0.5	Intel/Weiss
IM5B(1)	Intel (South of 101)	11/26/2007	<1.0	**1.7**	<0.5	**0.8**	**110**	**17**	<0.5	<20	<0.5	<0.5	**97**	**5.6**	Intel/Weiss
IM5B(1)	Intel (South of 101)	5/20/2008	<2.5	**1.3**	<1.3	<1.3	**130**	**14**	<1.3	<50	<1.3	<1.3	**57**	**3.0**	Intel/Weiss
IM5B(1)	Intel (South of 101)	12/10/2008	<1.0	**1.5**	<0.5	**0.6**	**100**	**15**	<0.5	<20	<0.5	<0.5	**62**	**5.0**	Intel/Weiss
IM5B(1)	Intel (South of 101)	12/21/2009	<1.4	**1.4**	<0.7	<0.7	**140**	**20**	<2.9	<29	<0.7	<0.7	**50**	**3.1**	Intel/Weiss
IM5B(1)	Intel (South of 101)	11/19/2010	<1.0	**1.3**	<1.0	**1.0**	**140**	**16**	<4.0	<40	<1.0	<1.0	**37**	**3.9**	Weiss/Geosyntec
IM5B(1)	Intel (South of 101)	10/17/2011	<2.0	**1.1**	<1.0	<1.0	**95**	**15**	<4.0	<4.0	<1.0	<1.0	**36**	**2.5**	Intel/Weiss
IM9B(1)	Intel (South of 101)	11/26/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**5.8**	<0.5	Intel/Weiss
IM9B(1)	Intel (South of 101)	12/10/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**4.6**	<0.5	Intel/Weiss
IM9B(1)	Intel (South of 101)	12/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**4.8**	<0.5	Intel/Weiss
IM9B(1)	Intel (South of 101)	12/16/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**3.8**	<0.5	Intel/Weiss
IM9B(1)	Intel (South of 101)	10/18/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**3.0**	<0.5	Intel/Weiss
REG-5B(1)	MEW RGRP (North of 101)	12/4/2007	<14	<7.1	<7.1	**11**	**410**	**8.6**	**8.7**	<290	<7.1	<7.1	**1000**	<7.1	Weiss
REG-5B(1)	MEW RGRP (North of 101)	12/2/2008	<17	<8.3	<8.3	<8.3	**350**	**9.6**	<8.3	<330	<8.3	<8.3	**1000**	<8.3	Weiss
REG-5B(1)	MEW RGRP (North of 101)	12/1/2009	<10	**5.6**	<5.0	**7.8**	**330**	**14**	<20	<200	<5.0	<5.0	**950**	<5.0	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	**1,1-DCA**	**1,2-DCA**	**1,1-DCE**	**cis-1,2-DCE**	**trans-1,2-DCE**	**Freon 113**	**Methylene Chloride**	**PCE**	**1,1,1-TCA**	**TCE**	**Vinyl Chloride**	**Sampled By**
REG-5B(1)	MEW RGRP (North of 101)	12/16/2010	<13	<6.3	<6.3	**8.0**	**310**	**9.0**	<25	<25	<6.3	<6.3	**900**	<6.3	Weiss
REG-5B(1)	MEW RGRP (North of 101)	9/22/2011	<13	<6.3	<6.3	**7.3**	**290**	**12**	<25	<25	<6.3	<6.3	**860**	<6.3	Weiss
REG-6B(1)	MEW RGRP (North of 101)	12/4/2007	<40	<20	<20	**41**	**500**	<20	**90**	<800	<20	<20	**3700**	<20	Weiss
REG-6B(1)	MEW RGRP (North of 101)	12/4/2008	<20	**16**	<10	**28**	**420**	<10	**100**	<400	<10	<10	**2800**	<10	Weiss
REG-6B(1)	MEW RGRP (North of 101)	12/8/2009	<25	**18**	<13	**37**	**590**	<13	**67**	<500	<13	<13	**2200**	<13	Weiss
REG-6B(1)	MEW RGRP (North of 101)	12/13/2010	<40	<20	<20	<20	**420**	<20	<80	<80	<20	<20	**3100**	<20	Weiss
REG-6B(1)	MEW RGRP (North of 101)	10/5/2011	<40	<20	<20	**25**	**420**	<20	<80	<80	<20	<20	**2500**	<20	Weiss
REG-7B(1)	MEW RGRP (North of 101)	12/4/2007	<20	<10	<10	**17**	**140**	<10	**17**	<400	<10	<10	**1000**	<10	Weiss
REG-7B(1)	MEW RGRP (North of 101)	12/4/2008	<6.3	**4.9**	<3.1	**14**	**120**	<3.1	**14**	<130	<3.1	<3.1	**880**	<3.1	Weiss
REG-7B(1)	MEW RGRP (North of 101)	12/1/2009	<13	**6.4**	<6.3	**16**	**130**	<6.3	<25	<250	<6.3	<6.3	**760**	<6.3	Weiss
REG-7B(1)	MEW RGRP (North of 101)	12/10/2010	<10	<5.0	<5.0	**11**	**120**	<5.0	<20	<20	<5.0	<5.0	**750**	<5.0	Weiss
REG-7B(1)	MEW RGRP (North of 101)	10/5/2011	<14	<7.1	<7.1	**15**	**100**	<7.1	<29	<29	<7.1	<7.1	**730**	<7.1	Weiss
REG-8B(1)	MEW RGRP (North of 101)	12/4/2007	<1.0	**7.6**	<0.5	**16**	**85**	**1.4**	**17**	<20	**0.5**	**0.7**	**860**	**0.6**	Weiss
REG-8B(1)	MEW RGRP (North of 101)	12/2/2008	<7.1	**6.1**	<3.6	<3.6	**52**	**5.7**	**21**	<140	<3.6	<3.6	**640**	<3.6	Weiss
REG-8B(1)	MEW RGRP (North of 101)	12/1/2009	<10	**6.4**	<5.0	**12**	**79**	<5.0	<20	<200	<5.0	<5.0	**630**	<5.0	Weiss
REG-8B(1)	MEW RGRP (North of 101)	12/10/2010	<5.0	**3.8**	<2.5	**6.2**	**55**	<2.5	<10	<10	<2.5	<2.5	**460**	<2.5	Weiss
REG-8B(1)	MEW RGRP (North of 101)	10/6/2011	<10	**5.4**	<5.0	**8.0**	**57**	<5.0	<20	<20	<5.0	<5.0	**750**	<5.0	Weiss
REG-9B(1)	MEW RGRP (North of 101)	12/3/2007	<6.3	**15**	<3.1	**20**	**510**	<3.1	**19**	<130	<3.1	<3.1	**460**	**20**	Weiss
REG-9B(1)	MEW RGRP (North of 101)	12/3/2008	<3.3	**15**	<1.7	**18**	**410**	**4.3**	**23**	<67	**2.9**	<1.7	**320**	**21**	Weiss
REG-9B(1)	MEW RGRP (North of 101)	12/4/2009	<4.0	**13**	<2.0	**21**	**480**	**2.2**	**16**	<80	**2.6**	<2.0	**320**	**13**	Weiss
REG-9B(1)	MEW RGRP (North of 101)	12/15/2010	<5.0	**10**	<2.5	**17**	**390**	<2.5	<10	<10	<2.5	<2.5	**240**	**13**	Weiss
REG-9B(1)	MEW RGRP (North of 101)	9/28/2011	<5.0	**10**	<2.5	**12**	**420**	<2.5	<10	<10	<2.5	<2.5	**230**	**9.7**	Weiss
REG-10B(1)	MEW RGRP (North of 101)	12/3/2007	<1.0	<0.5	<0.5	**1.5**	**1.0**	<0.5	**3.7**	<20	<0.5	**0.5**	**70**	<0.5	Weiss
REG-10B(1)	MEW RGRP (North of 101)	12/2/2008	<1.0	**0.5**	<0.5	**1.2**	**1**	<0.5	**4.7**	<20	<0.5	**0.7**	**74**	<0.5	Weiss
REG-10B(1)	MEW RGRP (North of 101)	12/3/2009	<1.0	**0.6**	<0.5	**1.6**	**1.3**	<0.5	**3.7**	<20	<0.5	**0.6**	**77**	<0.5	Weiss
REG-10B(1)	MEW RGRP (North of 101)	12/6/2010	<1.0	<0.5	<0.5	**1.3**	**1.2**	<0.5	**2.8**	<2.0	<0.5	**0.5**	**61**	<0.5	Weiss
REG-10B(1)	MEW RGRP (North of 101)	10/5/2011	<1.0	<0.5	<0.5	**1.0**	**0.9**	<0.5	**2.7**	<2.0	<0.5	<0.5	**62**	<0.5	Weiss
REG-12B(1)	MEW RGRP (North of 101)	12/4/2007	<33	<17	<17	<17	**87**	<17	**36**	<670	<17	<17	**2600**	<17	Weiss
REG-12B(1)	MEW RGRP (North of 101)	12/2/2008	<33	<17	<17	**20**	**110**	<17	**35**	<670	<17	<17	**2500**	<17	Weiss
REG-12B(1)	MEW RGRP (North of 101)	12/1/2009	<25	<13	<13	**18**	**140**	<13	<50	<500	<13	<13	**2100**	<13	Weiss
REG-12B(1)	MEW RGRP (North of 101)	12/16/2010	<20	<10	<10	**13**	**140**	<10	<40	<40	<10	<10	**1500**	<10	Weiss
REG-12B(1)	MEW RGRP (North of 101)	9/22/2011	<33	<17	<17	**19**	**200**	<17	<67	<67	<17	<17	**2100**	<17	Weiss
W89-13B1-R	MEW RGRP (North of 101)	11/24/2008	<1.0	<0.50	<0.50	**1.5**	<0.50	<0.50	**3.0**	<5.0	<0.50	**0.62**	**10**	<0.50	Navy
W89-13B1-R D	MEW RGRP (North of 101)	11/24/2008	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	Navy
W89-13B1-R	MEW RGRP (North of 101)	12/7/2009	<1.0	<0.5	<0.5	**2.0**	**0.5**	<0.5	**3.2**	<20	<0.5	**0.8**	**10**	<0.5	Weiss
W89-13B1-R	MEW RGRP (North of 101)	12/9/2010	<1.0	<0.5	<0.5	**2.0**	<0.5	<0.5	**2.0**	<2.0	<0.5	**0.7**	**9.4**	<0.5	Weiss
W89-13B1-R	MEW RGRP (North of 101)	9/28/2011	<1.0	<0.5	<0.5	**1.2**	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**10**	<0.5	Weiss
ME1B1	MEW RGRP (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	**2.4**	<0.5	<0.5	<20	<0.5	<0.5	**5.5**	<0.5	Weiss
ME1B1	MEW RGRP (South of 101)	11/6/2008	<0.50	<0.50	<0.50	<0.50	**0.93**	<0.50	<0.50	<0.50	<0.50	<0.50	**2.2**	<0.50	Weiss
ME1B1	MEW RGRP (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	**1.9**	<0.5	<2.0	<20	<0.5	<0.5	**2.6**	<0.5	Weiss
ME1B1	MEW RGRP (South of 101)	11/9/2010	<1.0	<0.5	<0.5	<0.5	**1.7**	<0.5	<2.0	<2.0	<0.5	<0.5	**3.1**	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
ME1B1	MEW RGRP (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	**2.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**4.4**	<0.5	Weiss
ME2B1	MEW RGRP (South of 101)	11/13/2007	<1.0	<0.5	<0.5	**4.8**	**0.6**	<0.5	**4.2**	<20	<0.5	**0.7**	**23**	<0.5	Weiss
ME2B1	MEW RGRP (South of 101)	11/10/2008	<1.0	<0.5	<0.5	**3.8**	**0.6**	<0.5	**4.7**	<20	<0.5	**0.6**	**24**	<0.5	Weiss
ME2B1	MEW RGRP (South of 101)	11/10/2009	<1.0	<0.5	<0.5	**3.3**	**0.6**	<0.5	**2.9**	<20	<0.5	<0.5	**14**	<0.5	Weiss
ME2B1	MEW RGRP (South of 101)	11/11/2010	<0.5	<0.5	<0.5	**2.9**	<0.5	<0.5	**3.0**	<20	<0.5	<0.5	**19**	<0.5	Geosyntec
ME2B1 D	MEW RGRP (South of 101)	11/11/2010	<0.5	<0.5	<0.5	**3.2**	<0.5	<0.5	**2.8**	<20	<0.5	<0.5	**19**	<0.5	Geosyntec
ME2B1	MEW RGRP (South of 101)	9/26/2011	<1.0	<0.5	<0.5	**2.8**	<0.5	<0.5	**2.8**	<2.0	<0.5	<0.5	**19**	<0.5	Weiss
ME2B1 D	MEW RGRP (South of 101)	9/26/2011	<1.0	<0.5	<0.5	**2.8**	<0.5	<0.5	**2.7**	<2.0	<0.5	<0.5	**19**	<0.5	Weiss
NEC8B1	MEW RGRP (South of 101)	11/13/2007	<1.0	<0.5	<0.5	<0.5	**2.0**	<0.5	<0.5	<20	<0.5	<0.5	**7.8**	<0.5	Weiss
NEC8B1	MEW RGRP (South of 101)	11/5/2008	<1.0	<0.5	<0.5	<0.5	**2.0**	<0.5	<0.5	<20	<0.5	<0.5	**8.3**	<0.5	Weiss
NEC8B1	MEW RGRP (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	**2.1**	<0.5	<2.0	<20	<0.5	<0.5	**15**	<0.5	Weiss
NEC8B1	MEW RGRP (South of 101)	11/12/2010	<1.0	<0.5	<0.5	<0.5	**4.2**	<0.5	<2.0	<2.0	<0.5	<0.5	**41**	<0.5	Weiss
NEC8B1	MEW RGRP (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	**3.2**	<0.5	<2.0	<2.0	<0.5	<0.5	**30**	<0.5	Weiss
NEC14B1	MEW RGRP (South of 101)	11/13/2007	<2.0	<1.0	<1.0	<1.0	**5.1**	<1.0	<1.0	<40	<1.0	<1.0	**140**	<1.0	Weiss
NEC14B1	MEW RGRP (South of 101)	11/5/2008	<1.0	<0.5	<0.5	<0.5	**6.2**	<0.5	<1.3	<20	<0.5	<0.5	**120**	<0.5	Weiss
NEC14B1	MEW RGRP (South of 101)	11/11/2009	<1.0	<0.5	<0.5	<0.5	**6.1**	<0.5	<2.0	<20	<0.5	<0.5	**84**	<0.5	Weiss
NEC14B1	MEW RGRP (South of 101)	11/9/2010	<1.4	<0.7	<0.7	<0.7	**4.3**	<0.7	<2.9	<2.9	<0.7	<0.7	**110**	<0.7	Weiss
NEC14B1	MEW RGRP (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	**5.2**	<0.5	<2.0	<2.0	<0.5	<0.5	**99**	<0.5	Weiss
NEC18B1	MEW RGRP (South of 101)	11/14/2007	**1.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.7**	<0.5	Weiss
NEC18B1	MEW RGRP (South of 101)	11/5/2008	**1.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**2.7**	<0.5	Weiss
NEC18B1	MEW RGRP (South of 101)	11/10/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.3**	<0.5	Weiss
NEC18B1	MEW RGRP (South of 101)	11/5/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.5**	<0.5	Weiss
NEC18B1	MEW RGRP (South of 101)	9/23/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**9.1**	<0.5	Weiss
REG-1B(1)	MEW RGRP (South of 101)	11/14/2007	<50	<25	<25	<25	**73**	<25	**300**	<1000	<25	<25	**3700**	<25	Weiss
REG-1B(1) D	MEW RGRP (South of 101)	11/14/2007	<71	<36	<36	<36	**76**	<36	**230**	<1400	<36	<36	**3700**	<36	Weiss
REG-1B(1)	MEW RGRP (South of 101)	11/5/2008	<50	<25	<25	<25	**140**	<25	**260**	<1000	<25	<25	**3600**	<25	Weiss
REG-1B(1) D	MEW RGRP (South of 101)	11/5/2008	<50	<25	<25	<25	**140**	<25	**240**	<1000	<25	<25	**3600**	<25	Weiss
REG-1B(1)	MEW RGRP (South of 101)	11/14/2009	<33	<17	<17	<17	**110**	<17	**150**	<670	<17	<17	**2500**	<17	Weiss
REG-1B(1) D	MEW RGRP (South of 101)	11/14/2009	<4.0	**2.6**	<2.0	**5.9**	**110**	**5.9**	**170**	<80	**3.5**	**2.1**	**2300**	<2.0	Weiss
REG-1B(1)	MEW RGRP (South of 101)	11/22/2010	<50	<25	<25	<25	**93**	<25	**280**	<100	<25	<25	**3100**	<25	Weiss
REG-1B(1) D	MEW RGRP (South of 101)	11/22/2010	<33	<17	<17	<17	**93**	<17	**280**	<67	<17	<17	**3100**	<17	Weiss
REG-1B(1)	MEW RGRP (South of 101)	9/8/2011	<63	<31	<31	<31	**130**	<31	**240**	<130	<31	<31	**3600**	<31	Weiss
REG-2B(1)	MEW RGRP (South of 101)	11/14/2007	<1.4	<0.7	<0.7	<0.7	**25**	<0.7	<0.7	<29	<0.7	<0.7	**93**	<0.7	Weiss
REG-2B(1)	MEW RGRP (South of 101)	11/5/2008	<1.0	<0.5	<0.5	**1.5**	**28**	<0.5	<0.5	<20	<0.5	**0.5**	**100**	<0.5	Weiss
REG-2B(1)	MEW RGRP (South of 101)	11/10/2009	<1.0	**0.7**	<0.5	**1.6**	**55**	<0.5	<2.0	<20	<0.5	<0.5	**97**	<0.5	Weiss
REG-2B(1)	MEW RGRP (South of 101)	11/18/2010	<1.0	**0.6**	<0.5	**1.7**	**36**	<0.5	<2.0	<2.0	<0.5	<0.5	**83**	<0.5	Weiss
REG-2B(1)	MEW RGRP (South of 101)	9/8/2011	<1.0	<0.5	<0.5	**0.9**	**27**	**0.6**	<2.0	<2.0	<0.5	<0.5	**87**	<0.5	Weiss
REG-3B(1)	MEW RGRP (South of 101)	11/20/2007	<10	<5.0	<5.0	<5.0	**33**	<5.0	**8.2**	<200	<5.0	<5.0	**890**	<5.0	Weiss
REG-3B(1)	MEW RGRP (South of 101)	11/10/2008	<20	<10	<10	<10	**22**	<10	**16**	<400	<10	<10	**1300**	<10	Weiss
REG-3B(1)	MEW RGRP (South of 101)	11/14/2009	<2.0	**1.3**	<1.0	**3.0**	**19**	**2.5**	**9.0**	<40	<1.0	**3.0**	**1000**	<1.0	Weiss
REG-3B(1)	MEW RGRP (South of 101)	11/18/2010	<10	<5.0	<5.0	**6.7**	**14**	<5.0	<20	<20	<5.0	<5.0	**1100**	<5.0	Weiss

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Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
REG-3B(1)	MEW RGRP (South of 101)	10/6/2011	<13	<6.3	<6.3	<6.3	**12**	<6.3	<25	<25	<6.3	<6.3	**1100**	<6.3	Weiss
REG-4B(1)	MEW RGRP (South of 101)	11/14/2007	<1.4	<0.7	<0.7	**0.8**	**6.8**	<0.7	<0.7	<29	<0.7	<0.7	**99**	<0.7	Weiss
REG-4B(1)	MEW RGRP (South of 101)	11/17/2008	<1.0	<0.5	<0.5	**1.5**	**8.8**	<0.5	**1.1**	<20	<0.5	**0.7**	**80**	<0.5	Weiss
REG-4B(1)	MEW RGRP (South of 101)	11/10/2009	<1.0	<0.5	<0.5	**0.7**	**5.2**	<0.5	<2.0	<20	<0.5	<0.5	**86**	<0.5	Weiss
REG-4B(1)	MEW RGRP (South of 101)	11/10/2010	<1.0	<0.5	<0.5	**0.8**	**5.3**	<0.5	<2.0	<2.0	<0.5	<0.5	**91**	<0.5	Weiss
REG-4B(1)	MEW RGRP (South of 101)	9/26/2011	<1.0	<0.5	<0.5	**0.9**	**6.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**98**	<0.5	Weiss
REG-11B(1)	MEW RGRP (South of 101)	11/14/2007	<5.0	<2.5	<2.5	<2.5	**9.5**	<2.5	<2.5	<100	<2.5	<2.5	**280**	<2.5	Weiss
REG-11B(1)	MEW RGRP (South of 101)	11/5/2008	<4.0	<2.0	<2.0	**2.4**	**13**	<2.0	<2.0	<80	<2.0	<2.0	**270**	<2.0	Weiss
REG-11B(1)	MEW RGRP (South of 101)	11/11/2009	<1.0	**0.8**	<0.5	**3.5**	**13**	<0.5	<2.0	<20	<0.5	**0.8**	**190**	<0.5	Weiss
REG-11B(1)	MEW RGRP (South of 101)	11/22/2010	<1.7	<0.8	<0.8	**2.8**	**9.7**	<0.8	<3.3	<3.3	<0.8	<0.8	**210**	<0.8	Weiss
REG-11B(1)	MEW RGRP (South of 101)	9/8/2011	<4.0	<2.0	<2.0	<2.0	**9.7**	<2.0	<8.0	<8.0	<2.0	<2.0	**190**	<2.0	Weiss
REG-MW-1B(1)	MEW RGRP (South of 101)	11/13/2007	<4.0	<2.0	<2.0	**4.3**	**21**	<2.0	**21**	<80	<2.0	<2.0	**400**	<2.0	Weiss
REG-MW-1B(1)	MEW RGRP (South of 101)	11/7/2008	<8.3	<4.2	<4.2	**5.7**	**160**	<4.2	**9.6**	<170	<4.2	<4.2	**440**	<4.2	Weiss
REG-MW-1B(1)	MEW RGRP (South of 101)	11/20/2009	<4.0	**3.0**	<2.0	**5.8**	**150**	<2.0	**10**	<80	<2.0	<2.0	**360**	<2.0	Weiss
REG-MW-1B(1)	MEW RGRP (South of 101)	11/23/2010	<2.5	**1.6**	<1.3	**5.4**	**31**	<1.3	**12**	<5.0	<1.3	<1.3	**310**	<1.3	Weiss
REG-MW-1B(1)	MEW RGRP (South of 101)	10/6/2011	<7.1	<3.6	<3.6	**5.3**	**120**	<3.6	<14	<14	<3.6	<3.6	**380**	<3.6	Weiss
REG-MW-2B(1)	MEW RGRP (South of 101)	11/13/2007	<25	<13	<13	**14**	**1600**	<13	<13	<500	<13	<13	**130**	<13	Weiss
REG-MW-2B(1)	MEW RGRP (South of 101)	11/7/2008	<6.3	<3.1	<3.1	<3.1	**500**	<3.1	<3.1	<130	<3.1	<3.1	**61**	<3.1	Weiss
REG-MW-2B(1)	MEW RGRP (South of 101)	11/20/2009	<4.0	<2.0	<2.0	<2.0	**360**	<2.0	<8.0	<80	<2.0	<2.0	**33**	<2.0	Weiss
REG-MW-2B(1)	MEW RGRP (South of 101)	11/23/2010	<4.0	<2.0	<2.0	<2.0	**280**	**2.7**	<8.0	<8.0	<2.0	<2.0	**18**	<2.0	Weiss
REG-MW-2B(1)	MEW RGRP (South of 101)	9/21/2011	<20	<10	<10	<10	**1200**	<10	<40	<40	<10	<10	**380**	<10	Weiss
RW-9(B1)R	MEW RGRP (South of 101)	11/12/2007	<63	<31	<31	<31	**720**	<31	**82**	<1300	<31	<31	**3400**	<31	Weiss
RW-9(B1)R	MEW RGRP (South of 101)	11/4/2008	<40	<20	<20	<20	**610**	<20	**45**	<800	<20	<20	**3000**	<20	Weiss
RW-9(B1)R	MEW RGRP (South of 101)	11/16/2009	<1.0	**6.3**	<0.5	**26**	**850**	**7.7**	**62**	<20	**2.3**	**0.7**	**2300**	**0.9**	Weiss
RW-9(B1)R	MEW RGRP (South of 101)	11/4/2010	<17	<17	<17	<17	**780**	<17	<67	<670	<17	<17	**2200**	<17	Weiss/Geosyntec
RW-9(B1)R	MEW RGRP (South of 101)	10/6/2011	<3.3	**2.8**	<1.7	**7.6**	**650**	**3.0**	**20**	<6.7	<1.7	<1.7	**1700**	<1.7	Weiss
R6B1	Raytheon (South of 101)	12/4/2007	<1.0	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<20	<0.5	<0.5	**2.6**	<0.5	Raytheon/Locus
R6B1	Raytheon (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	**1.5**	<0.5	**0.8**	<20	<0.5	<0.5	**5.4**	<0.5	Raytheon by Locus
R6B1	Raytheon (South of 101)	12/7/2009	<1.0	<0.5	<0.5	<0.5	**1.2**	<0.5	<2.0	<20	<0.5	<0.5	**3.6**	<0.5	Raytheon/Locus
R6B1	Raytheon (South of 101)	12/14/2010	<1.0	<0.5	<0.5	<0.5	**1.8**	<0.5	<2.0	<2.0	<0.5	<0.5	**5.0**	<0.5	Locus for Raytheon
R6B1	Raytheon (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.6**	<0.5	Raytheon/Locus
R13B1	Raytheon (South of 101)	12/4/2007	<1.0	**3.9**	<0.5	**0.8**	**3.4**	<0.5	<0.5	<20	<0.5	<0.5	**4.9**	<0.5	Raytheon/Locus
R13B1	Raytheon (South of 101)	11/11/2008	<1.0	**2.5**	<0.5	<0.5	**2.3**	<0.5	<0.5	<20	<0.5	<0.5	**3.5**	<0.5	Raytheon by Locus
R13B1	Raytheon (South of 101)	12/5/2009	<1.0	**2.8**	<0.5	<0.5	**3.0**	<0.5	<2.0	<20	<0.5	<0.5	**5.5**	<0.5	Raytheon/Locus
R13B1	Raytheon (South of 101)	12/16/2010	<1.0	**2.4**	<0.5	<0.5	**2.4**	<0.5	<2.0	<2.0	<0.5	<0.5	**3.7**	<0.5	Locus for Raytheon
R13B1	Raytheon (South of 101)	9/26/2011	<1.0	**2.1**	<0.5	<0.5	**2.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**4.6**	<0.5	Raytheon/Locus
R16B1	Raytheon (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon by Locus
R16B1	Raytheon (South of 101)	12/5/2009	<1.0	<0.5	<0.5	<0.5	**4.2**	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R16B1	Raytheon (South of 101)	12/16/2010	<1.0	<0.5	<0.5	<0.5	**3.1**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R16B1	Raytheon (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	**4.2**	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
R22B1	Raytheon (South of 101)	12/4/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.8**	<0.5	Raytheon/Locus
R22B1	Raytheon (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1**	<0.5	Raytheon by Locus
R22B1	Raytheon (South of 101)	12/5/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**0.5**	<0.5	Raytheon/Locus
R22B1	Raytheon (South of 101)	12/16/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.7**	<0.5	Locus for Raytheon
R22B1	Raytheon (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.7**	<0.5	Raytheon/Locus
R46B1	Raytheon (South of 101)	12/5/2007	<1.0	<0.5	<0.5	<0.5	**1.7**	<0.5	<0.5	<20	<0.5	<0.5	**69**	<0.5	Raytheon/Locus
R46B1	Raytheon (South of 101)	11/12/2008	<1.0	<0.5	<0.5	<0.5	**1**	<0.5	<0.5	<20	<0.5	<0.5	**75**	<0.5	Raytheon
R46B1	Raytheon (South of 101)	12/7/2009	<1.0	<0.5	<0.5	<0.5	**1.1**	<0.5	<2.0	<20	<0.5	<0.5	**57**	<0.5	Raytheon/Locus
R46B1 D	Raytheon (South of 101)	12/7/2009	<1.0	<0.5	<0.5	<0.5	**1.1**	<0.5	<2.0	<20	<0.5	<0.5	**58**	<0.5	Raytheon/Locus
R46B1	Raytheon (South of 101)	12/14/2010	<1.0	<0.5	<0.5	<0.5	**1.2**	<0.5	<2.0	<2.0	<0.5	<0.5	**57**	<0.5	Locus for Raytheon
R46B1	Raytheon (South of 101)	9/29/2011	<1.0	<0.5	<0.5	<0.5	**1.1**	<0.5	<2.0	<2.0	<0.5	<0.5	**56**	<0.5	Raytheon/Locus
RP22B	Raytheon (South of 101)	12/4/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
RP22B	Raytheon (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.7**	<0.5	Raytheon by Locus
RP22B	Raytheon (South of 101)	12/5/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
RP22B	Raytheon (South of 101)	12/16/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
RP22B	Raytheon (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
RW-13B(1)	Silva (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.8**	<0.5	Weiss
RW-13B(1)	Silva (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.3**	<0.5	Weiss
RW-13B(1)	Silva (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.0**	<0.5	Weiss
RW-13B(1)	Silva (South of 101)	11/11/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.5**	<0.5	Geosyntec
RW-13B(1)	Silva (South of 101)	10/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	**6.2**	<0.50	Weiss
W9-17	U.S. Navy (North of 101)	4/23/2008	<1.0	**0.8**	<0.5	<0.5	**24**	<0.5	<0.5	<20	<0.5	<0.5	**5.9**	<0.5	Weiss for Navy
W9-17	U.S. Navy (North of 101)	12/2/2008	<20	<10	<10	**19**	**750**	<10	**19**	<400	<10	<10	**610**	<10	Weiss
W9-17	U.S. Navy (North of 101)	12/8/2009	<1.0	**0.9**	<0.5	<0.5	**28**	<0.5	<2.0	<20	<0.5	<0.5	**3.4**	<0.5	Weiss
W9-17	U.S. Navy (North of 101)	11/16/2010	<0.5	**0.9**	<0.5	**2.0**	**85**	<0.5	<2.0	<20	<0.5	<0.5	**2.2**	<0.5	Geosyntec
W9-17	U.S. Navy (North of 101)	10/3/2011	<33	<17	<17	**23**	**400**	<17	<67	<67	<17	<17	**1800**	<17	Weiss
W9-25	U.S. Navy (North of 101)	4/24/2008	<6.3	**4.7**	<3.1	**11**	**11**	<3.1	**19**	<130	<3.1	<3.1	**480**	<3.1	Weiss
W9-25	U.S. Navy (North of 101)	12/3/2008	<3.3	**6.5**	**9.2**	**8.0**	**33**	<1.7	**12**	<67	<1.7	<1.7	**380**	**21**	Weiss
W9-25	U.S. Navy (North of 101)	12/4/2009	<4.0	**9.0**	**20**	**8.6**	**55**	**3.2**	**9.4**	<80	<2.0	<2.0	**320**	**34**	Weiss
W9-25	U.S. Navy (North of 101)	12/15/2010	<4.0	**5.0**	<2.0	**7.0**	**13**	<2.0	**10**	<8.0	<2.0	<2.0	**300**	<2.0	Weiss
W9-25	U.S. Navy (North of 101)	9/28/2011	<2.5	**5.8**	**2.2**	**7.9**	**17**	<1.3	**13**	<5.0	<1.3	<1.3	**230**	<1.3	Weiss
W9-41	U.S. Navy (North of 101)	4/23/2008	<10	<5.0	<5.0	**6.1**	**22**	<5.0	<5.0	<200	<5.0	<5.0	**1100**	<5.0	Weiss for Navy
W9-41	U.S. Navy (North of 101)	12/4/2008	<10	<5.0	<5.0	**6.2**	**21**	<5.0	**28**	<200	<5.0	<5.0	**1100**	<5.0	Weiss
W9-41	U.S. Navy (North of 101)	12/8/2009	<13	<6.3	<6.3	**11**	**33**	<6.3	<25	<250	<6.3	<6.3	**1100**	<6.3	Weiss
W9-41	U.S. Navy (North of 101)	12/13/2010	<20	**12**	<10	**24**	**340**	<10	<40	<40	<10	<10	**1700**	<10	Weiss
W9-41	U.S. Navy (North of 101)	10/5/2011	<25	**13**	<13	**18**	**330**	<13	<50	<50	<13	<13	**1200**	<13	Weiss
W9SC-20	U.S. Navy (North of 101)	4/23/2008	<8.3	**7.4**	<4.2	**10**	**180**	**7.1**	<4.2	<170	<4.2	<4.2	**620**	<4.2	Weiss for Navy
W9SC-20	U.S. Navy (North of 101)	12/5/2008	<13	**9.0**	<6.3	**21**	**230**	<6.3	**14**	<250	<6.3	<6.3	**1200**	<6.3	Weiss
W9SC-20	U.S. Navy (North of 101)	12/8/2009	<3.3	<1.7	<1.7	**5.4**	**64**	**2.1**	<6.7	<67	<1.7	<1.7	**430**	<1.7	Weiss
W9SC-20	U.S. Navy (North of 101)	12/10/2010	<20	**17**	<10	**29**	**460**	**10**	<40	<40	<10	<10	**1800**	<10	Weiss
W9SC-20	U.S. Navy (North of 101)	10/5/2011	<40	**28**	<20	**60**	**1000**	<20	<80	<80	<20	<20	**3600**	<20	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
W14-5	U.S. Navy (North of 101)	4/24/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W14-5	U.S. Navy (North of 101)	12/8/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W14-5	U.S. Navy (North of 101)	12/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W14-5	U.S. Navy (North of 101)	12/9/2010	<1.0	**1.1**	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.8**	**2.1**	Weiss
W14-5	U.S. Navy (North of 101)	9/27/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
W14-5 D	U.S. Navy (North of 101)	9/27/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	**0.7**	Weiss
W89-11	U.S. Navy (North of 101)	4/22/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.5**	<0.5	Weiss
W89-11	U.S. Navy (North of 101)	12/3/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-11	U.S. Navy (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
W89-11	U.S. Navy (North of 101)	12/8/2010	<1.0	**5.0**	<0.5	**9.5**	**11**	<0.5	<2.0	<2.0	<0.5	<0.5	**1.6**	**1.0**	Weiss
W89-11	U.S. Navy (North of 101)	10/4/2011	<1.0	**0.9**	<0.5	**3.6**	**5.7**	<0.5	<2.0	<2.0	<0.5	<0.5	**1.2**	<0.5	Weiss
W89-12	U.S. Navy (North of 101)	4/22/2008	<1.0	<0.5	<0.5	<0.5	**51**	<0.5	<0.5	<20	<0.5	<0.5	**2.8**	**0.7**	Weiss
W89-12	U.S. Navy (North of 101)	12/3/2008	<1.0	<0.5	<0.5	<0.5	**59**	<0.5	<0.5	<20	<0.5	<0.5	**2.9**	**2.4**	Weiss
W89-12	U.S. Navy (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	**55**	<0.5	<2.0	<20	<0.5	<0.5	**3.0**	**1.4**	Weiss
W89-12	U.S. Navy (North of 101)	12/9/2010	<10	<5.0	<5.0	<5.0	**560**	<5.0	<20	<20	<5.0	<5.0	<5.0	**28**	Weiss
W89-12	U.S. Navy (North of 101)	9/28/2011	<1.0	<0.5	<0.5	<0.5	**31**	<0.5	<2.0	<2.0	<0.5	<0.5	**0.8**	**0.9**	Weiss
W89-14	U.S. Navy (North of 101)	4/22/2008	<1.0	**1.1**	<0.5	**1.5**	**1.2**	<0.5	**0.8**	<20	<0.5	<0.5	**10**	<0.5	Weiss
W89-14	U.S. Navy (North of 101)	12/2/2008	<1.0	**2.2**	<0.5	**5.6**	**3.6**	<0.5	**6.0**	<20	<0.5	<0.5	**59**	<0.5	Weiss
W89-14	U.S. Navy (North of 101)	12/4/2009	<1.0	**1.2**	<0.5	**2.1**	**1.6**	<0.5	<2.0	<20	<0.5	<0.5	**21**	<0.5	Weiss
W89-14	U.S. Navy (North of 101)	12/9/2010	<1.0	**0.7**	<0.5	**1.1**	**1.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**5.3**	<0.5	Weiss
W89-14	U.S. Navy (North of 101)	10/4/2011	<1.0	**2.1**	<0.5	**6.3**	**6.0**	<0.5	**3.9**	<2.0	<0.5	<0.5	**83**	<0.5	Weiss
WNB-14	U.S. Navy (North of 101)	11/16/2007	<0.5	**0.3**	<0.5	<2	**0.9**	<2	<2	<2	<2	<2	<2	**1**	Navy
WNB-14	U.S. Navy (North of 101)	11/21/2008	<1.0	**0.68**	<0.50	<0.50	**3.8**	**0.13**	<2.0	<1.0	<0.50	<1.0	**0.15**	**3.5**	Navy
WNB-14	U.S. Navy (North of 101)	11/23/2009	<1.0	**0.40**	<0.50	<0.50	**1.4**	<0.50	<2.0	<1.0	<0.50	<1.0	<0.50	**1.8**	Navy
WNB-14	U.S. Navy (North of 101)	11/19/2010	<5.0	**2.2**	<0.50	<1.0	**28**	<2.0	<5.0	<1.0	<1.0	<5.0	**3.9**	**16**	Navy
WNB-14	U.S. Navy (North of 101)	9/16/2011	<5.0	**1.2**	<0.50	<1.0	**8.3**	**0.26**	<5.0	<1.0	**0.14**	<5.0	**0.22**	**11**	Navy
WU4-2	U.S. Navy (North of 101)	4/22/2008	<63	<31	<31	<31	**590**	<31	<31	<1300	<31	<31	**3400**	<31	Weiss
WU4-2	U.S. Navy (North of 101)	4/22/2008	<71	<36	<36	<36	**630**	<36	<36	<1400	<36	<36	**3700**	<36	Weiss
WU4-2	U.S. Navy (North of 101)	12/2/2008	<63	<31	<31	**40**	**1100**	<31	<31	<1300	<31	<31	**4600**	<31	Weiss
WU4-2 D	U.S. Navy (North of 101)	12/2/2008	<63	<31	<31	**36**	**1000**	<31	<31	<1300	<31	<31	**4400**	<31	Weiss
WU4-2	U.S. Navy (North of 101)	12/8/2009	<20	**16**	<10	**33**	**810**	**13**	<40	<400	<10	<10	**3300**	<10	Weiss
WU4-2 D	U.S. Navy (North of 101)	12/8/2009	<40	<20	<20	**45**	**680**	<20	<80	<800	<20	<20	**3400**	<20	Weiss
WU4-2	U.S. Navy (North of 101)	12/10/2010	<25	<13	<13	**24**	**480**	<13	<50	<50	<13	<13	**2300**	<13	Weiss
WU4-2 D	U.S. Navy (North of 101)	12/10/2010	<25	<13	<13	**19**	**490**	<13	<50	<50	<13	<13	**2300**	<13	Weiss
WU4-2	U.S. Navy (North of 101)	10/4/2011	<40	<20	<20	<20	**490**	<20	<80	<80	<20	<20	**1900**	<20	Weiss
WU4-4	U.S. Navy (North of 101)	11/19/2007	**0.2**	**5**	<0.5	**16**	**75**	**1**	**38**	**0.2**	**1**	**0.4**	**3100**	**0.2**	Navy
WU4-4	U.S. Navy (North of 101)	11/24/2008	<10	**7.7**	<5.0	**31**	**130**	**1.5**	**64**	<10	**1.1**	<10	**3900**	<5.0	Navy
WU4-4	U.S. Navy (North of 101)	11/20/2009	<20	**7.8**	<10	**34**	**120**	<10	**100**	<20	<10	<20	**4700**	<10	Navy
WU4-4	U.S. Navy (North of 101)	11/19/2010	<500	<100	<50	<100	**140**	<200	<500	<100	<100	<500	**5200**	<50	Navy
WU4-4	U.S. Navy (North of 101)	9/16/2011	<250	**5.7**	<25	**13**	**90**	<100	**21**	<50	<50	<250	**2900**	<25	Navy
WU4-5	U.S. Navy (North of 101)	4/22/2008	<40	<20	<20	<20	**85**	<20	**31**	<800	<20	<20	**2400**	<20	Weiss

Table J-1
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Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
WU4-5	U.S. Navy (North of 101)	12/2/2008	<40	<20	<20	<20	82	<20	27	<800	<20	<20	2300	<20	Weiss
WU4-5	U.S. Navy (North of 101)	12/8/2009	<20	<10	<10	<10	56	<10	<40	<400	<10	<10	1900	<10	Weiss
WU4-5	U.S. Navy (North of 101)	12/10/2010	<20	<10	<10	13	70	<10	<40	<40	<10	<10	1600	<10	Weiss
WU4-5	U.S. Navy (North of 101)	10/4/2011	<25	<13	<13	<13	60	<13	<50	<50	<13	<13	1400	<13	Weiss
WU4-6	U.S. Navy (North of 101)	4/24/2008	<8.3	<4.2	<4.2	<4.2	14	<4.2	<4.2	<170	<4.2	<4.2	660	<4.2	Weiss
WU4-6	U.S. Navy (North of 101)	12/4/2008	<25	<13	<13	28	130	<13	81	<500	<13	<13	4700	<13	Weiss
WU4-6	U.S. Navy (North of 101)	12/8/2009	<40	<20	<20	44	120	<20	120	<800	<20	<20	3700	<20	Weiss
WU4-6	U.S. Navy (North of 101)	11/22/2010	<20	<20	<20	26	140	<20	<80	<800	<20	<20	3000	<20	Weiss/Geosyntec
WU4-6	U.S. Navy (North of 101)	10/3/2011	<50	<25	<25	<25	110	<25	<100	<100	<25	<25	2800	<25	Weiss
WU4-7	U.S. Navy (North of 101)	4/22/2008	<2.0	<1.0	<1.0	1.4	13	<1.0	<1.0	<40	<1.0	<1.0	110	<1.0	Weiss
WU4-7	U.S. Navy (North of 101)	12/4/2008	<3.3	<1.7	<1.7	4.0	27	<1.7	4.6	<67	<1.7	<1.7	330	<1.7	Weiss
WU4-7	U.S. Navy (North of 101)	12/7/2009	<2.5	2.5	<1.3	5.5	40	<1.3	6.7	<50	<1.3	<1.3	420	<1.3	Weiss
WU4-7	U.S. Navy (North of 101)	11/18/2010	<2.5	<2.5	<2.5	7.5	29	<2.5	<10	<100	<2.5	<2.5	390	<2.5	Weiss/Geosyntec
WU4-7 D	U.S. Navy (North of 101)	11/18/2010	<2.5	<2.5	<2.5	7.3	29	<2.5	<10	<100	<2.5	<2.5	400	<2.5	Weiss/Geosyntec
WU4-7	U.S. Navy (North of 101)	10/3/2011	<20	11	<10	20	200	<10	<40	<40	<10	<10	1500	13	Weiss
WU4-12	U.S. Navy (North of 101)	4/23/2008	<5.0	<2.5	<2.5	4.1	6.2	<2.5	5.7	<100	<2.5	<2.5	340	<2.5	Weiss for Navy
WU4-12	U.S. Navy (North of 101)	12/2/2008	<4.0	<2.0	<2.0	2.8	6.2	<2.0	11	<80	<2.0	<2.0	370	<2.0	Weiss
WU4-12	U.S. Navy (North of 101)	12/7/2009	<2.5	1.5	<1.3	4.0	8.0	<1.3	6.7	<50	<1.3	1.6	430	<1.3	Weiss
WU4-12	U.S. Navy (North of 101)	11/19/2010	<1.7	<1.7	<1.7	4.8	7.0	1.7	<6.7	<67	<1.7	<1.7	280	<1.7	Weiss/Geosyntec
WU4-12	U.S. Navy (North of 101)	10/3/2011	<4.0	<2.0	<2.0	3.1	8.4	<2.0	<8.0	<8.0	<2.0	<2.0	250	<2.0	Weiss
WU4-13	U.S. Navy (North of 101)	4/23/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss for Navy
WU4-13	U.S. Navy (North of 101)	12/1/2008	<1.0	2.7	<0.5	<0.5	12	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
WU4-13	U.S. Navy (North of 101)	12/3/2009	<1.0	4.1	<0.5	1.1	33	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
WU4-13	U.S. Navy (North of 101)	12/15/2010	<1.0	3.9	<0.5	1.0	36	<0.5	<2.0	<2.0	<0.5	<0.5	0.5	0.5	Weiss
WU4-13	U.S. Navy (North of 101)	9/30/2011	<1.0	3.5	<0.5	1.0	34	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
WU4-19	U.S. Navy (North of 101)	4/24/2008	<1.0	0.9	<0.5	0.5	2.7	<0.5	<0.5	<20	<0.5	<0.5	24	<0.5	Weiss
WU4-19	U.S. Navy (North of 101)	12/3/2008	<1.0	1.2	0.6	1.2	3.7	<0.5	<0.5	<20	<0.5	<0.5	45	<0.5	Weiss
WU4-19	U.S. Navy (North of 101)	12/3/2009	<1.0	0.7	<0.5	0.7	2.4	<0.5	<2.0	<20	<0.5	<0.5	24	<0.5	Weiss
WU4-19	U.S. Navy (North of 101)	11/22/2010	<0.5	3.6	0.8	3.1	7.0	<0.5	3.5	<20	<0.5	<0.5	90	<0.5	Weiss/Geosyntec
WU4-19	U.S. Navy (North of 101)	9/28/2011	<1.0	3.1	0.6	3.2	6.4	<0.5	3.6	<2.0	<0.5	<0.5	110	0.9	Weiss
B2 Zone															
17B2	Fairchild (North of 101)	12/3/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	12	<0.5	Weiss
17B2	Fairchild (North of 101)	12/4/2008	<1.0	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	<20	<0.5	<0.5	11	<0.5	Weiss
17B2	Fairchild (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	13	<0.5	Weiss
17B2	Fairchild (North of 101)	11/17/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<10	<0.5	<0.5	2.1	<0.5	Geosyntec
17B2	Fairchild (North of 101)	10/3/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	12	<0.5	Weiss
51B2	Fairchild (North of 101)	12/4/2007	<1.0	<0.5	<0.5	1.1	1.5	<0.5	4.7	<20	<0.5	<0.5	63	<0.5	Weiss
51B2	Fairchild (North of 101)	12/5/2008	<1.0	<0.5	<0.5	0.9	1.1	<0.5	3.8	<20	<0.5	<0.5	46	<0.5	Weiss
51B2	Fairchild (North of 101)	12/4/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	35	<0.5	Weiss
51B2	Fairchild (North of 101)	11/16/2010	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	3.3	<20	<0.5	<0.5	31	<0.5	Geosyntec
51B2	Fairchild (North of 101)	10/3/2011	<1.0	<0.5	<0.5	0.6	0.7	<0.5	2.1	<2.0	<0.5	<0.5	28	<0.5	Weiss

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Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
54B2	Fairchild (North of 101)	12/8/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
54B2	Fairchild (North of 101)	12/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
54B2	Fairchild (North of 101)	12/8/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
54B2	Fairchild (North of 101)	10/3/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
82B2	Fairchild (North of 101)	12/3/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
82B2	Fairchild (North of 101)	12/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
82B2	Fairchild (North of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
82B2	Fairchild (North of 101)	9/28/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
123B2	Fairchild (North of 101)	12/1/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
123B2	Fairchild (North of 101)	11/30/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
123B2	Fairchild (North of 101)	11/16/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<1.2	<0.5	Geosyntec
123B2	Fairchild (North of 101)	10/4/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
6B2	Fairchild (South of 101)	11/8/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**3.6**	<0.5	Weiss
6B2	Fairchild (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9**	<20	<0.5	<0.5	**3.8**	<0.5	Weiss
6B2	Fairchild (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
6B2	Fairchild (South of 101)	11/4/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**3.0**	<0.5	Weiss
6B2	Fairchild (South of 101)	9/16/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**2.2**	<0.5	Weiss
15B2	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
15B2	Fairchild (South of 101)	11/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
15B2	Fairchild (South of 101)	11/9/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss/Geosyntec
15B2	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
16B2	Fairchild (South of 101)	11/9/2007	<1.0	<0.5	<0.5	<0.5	**2.5**	<0.5	<0.5	<20	<0.5	<0.5	**78**	<0.5	Weiss
16B2	Fairchild (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	**2.9**	<0.5	<0.5	<20	<0.5	<0.5	**78**	<0.5	Weiss
16B2	Fairchild (South of 101)	11/11/2009	<1.0	<0.5	<0.5	<0.5	**2.3**	<0.5	<2.0	<20	<0.5	<0.5	**62**	<0.5	Weiss
16B2	Fairchild (South of 101)	11/10/2010	<0.5	<0.5	<0.5	<0.5	**2.1**	<0.5	<2.0	<20	<0.5	<0.5	**82**	<0.5	Geosyntec
16B2	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	**1.9**	<0.5	<2.0	<2.0	<0.5	<0.5	**65**	<0.5	Weiss
36B2	Fairchild (South of 101)	11/12/2007	<100	<50	<50	<50	**240**	<50	**390**	<2000	<50	<50	**12000**	<50	Weiss
36B2	Fairchild (South of 101)	11/15/2008	<71	<36	<36	<36	**180**	<36	**120**	<1400	<36	<36	**6000**	<36	Weiss
36B2	Fairchild (South of 101)	11/17/2009	<8.3	<4.2	<4.2	**4.8**	**190**	**5.9**	**210**	<170	<4.2	<4.2	**9800**	<4.2	Weiss
36B2	Fairchild (South of 101)	11/23/2010	<200	<100	<100	<100	**160**	<100	<400	<400	<100	<100	**11000**	<100	Weiss
36B2	Fairchild (South of 101)	10/6/2011	<71	<36	<36	<36	**140**	<36	<140	<140	<36	<36	**6500**	<36	Weiss
37B2	Fairchild (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
37B2	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
37B2	Fairchild (South of 101)	11/4/2009	**1.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
37B2	Fairchild (South of 101)	11/5/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
37B2	Fairchild (South of 101)	9/16/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
40B2	Fairchild (South of 101)	11/6/2008	<2.5	<2.5	<2.5	<2.5	**68**	<2.5	<2.5	<2.5	<2.5	<2.5	**12**	<2.5	Weiss
40B2	Fairchild (South of 101)	12/11/2008	<1.0	<0.5	<0.5	<0.5	**48**	<0.5	**4.0**	<20	<0.5	<0.5	**10**	<0.5	Weiss
40B2	Fairchild (South of 101)	11/3/2009	<1.0	<0.5	<0.5	<0.5	**11**	**0.5**	<2.0	<20	<0.5	<0.5	**2.0**	<0.5	Weiss
40B2	Fairchild (South of 101)	11/3/2010	<1.0	<0.5	<0.5	<0.5	**21**	**0.6**	<2.0	<2.0	<0.5	<0.5	**1.0**	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
40B2	Fairchild (South of 101)	9/28/2011	<1.0	<0.5	<0.5	<0.5	**9.5**	**0.7**	<2.0	<2.0	<0.5	<0.5	**2.0**	<0.5	Weiss
43B2	Fairchild (South of 101)	11/7/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
43B2	Fairchild (South of 101)	11/10/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
43B2	Fairchild (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
43B2	Fairchild (South of 101)	11/18/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
43B2	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
62B2	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
62B2	Fairchild (South of 101)	11/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
62B2	Fairchild (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
62B2	Fairchild (South of 101)	11/18/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
62B2	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
75B2	Fairchild (South of 101)	11/9/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
75B2	Fairchild (South of 101)	11/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
75B2	Fairchild (South of 101)	11/4/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
75B2	Fairchild (South of 101)	11/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
75B2	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
76B2	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
76B2	Fairchild (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
76B2	Fairchild (South of 101)	11/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
76B2	Fairchild (South of 101)	9/9/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
89B2	Fairchild (South of 101)	11/8/2007	<1.0	<0.5	<0.5	<0.5	**11**	<0.5	<0.5	<20	<0.5	<0.5	**19**	<0.5	Weiss
89B2	Fairchild (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	**8.9**	<0.5	<0.5	<20	<0.5	<0.5	**18**	<0.5	Weiss
89B2	Fairchild (South of 101)	11/23/2009	<1.0	<0.5	<0.5	<0.5	**6.4**	<0.5	<2.0	<20	<0.5	<0.5	**9.1**	<0.5	Weiss
89B2	Fairchild (South of 101)	11/10/2010	<0.5	<0.5	<0.5	<0.5	**4.1**	<0.5	<2.0	<20	<0.5	<0.5	**8.1**	<0.5	Geosyntec
89B2	Fairchild (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	**3.4**	<0.5	<2.0	<2.0	<0.5	<0.5	**6.9**	<0.5	Weiss
113B2	Fairchild (South of 101)	11/9/2007	<25	<13	<13	<13	**79**	<13	<13	<500	<13	<13	**1300**	<13	Weiss
113B2	Fairchild (South of 101)	11/18/2008	<33	<17	<17	<17	**220**	<17	**27**	<670	<17	<17	**2000**	<17	Weiss
113B2	Fairchild (South of 101)	11/16/2009	<8.3	<4.2	<4.2	**11**	**330**	**16**	**22**	<170	<4.2	<4.2	**2700**	<4.2	Weiss
113B2	Fairchild (South of 101)	11/15/2010	<0.7	<0.7	<0.7	**0.9**	**9.2**	<0.7	<2.9	<29	<0.7	<0.7	**260**	<0.7	Weiss/Geosyntec
113B2	Fairchild (South of 101)	9/22/2011	<4.0	<2.0	<2.0	<2.0	**13**	<2.0	<8.0	<8.0	<2.0	<2.0	**220**	<2.0	Weiss
125B2	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
125B2	Fairchild (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
125B2	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
125B2	Fairchild (South of 101)	11/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
125B2	Fairchild (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
129B2	Fairchild (South of 101)	11/9/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
129B2	Fairchild (South of 101)	11/5/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
129B2	Fairchild (South of 101)	11/4/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
129B2	Fairchild (South of 101)	11/4/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	**0.5**	<0.5	<0.5	<0.5	Weiss
129B2	Fairchild (South of 101)	9/22/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss

Table J-1
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Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	**1,1-DCA**	**1,2-DCA**	**1,1-DCE**	**cis-1,2-DCE**	**trans-1,2-DCE**	**Freon 113**	**Methylene Chloride**	**PCE**	**1,1,1-TCA**	**TCE**	**Vinyl Chloride**	**Sampled By**
132B2	Fairchild (South of 101)	11/8/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
132B2	Fairchild (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
132B2	Fairchild (South of 101)	11/4/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
132B2	Fairchild (South of 101)	11/4/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
132B2	Fairchild (South of 101)	9/23/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
132B2 D	Fairchild (South of 101)	9/23/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
134B2	Fairchild (South of 101)	11/9/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
134B2	Fairchild (South of 101)	11/7/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
134B2	Fairchild (South of 101)	11/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
134B2	Fairchild (South of 101)	11/4/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
134B2	Fairchild (South of 101)	9/26/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
38B2	MEW RGRP (South of 101)	11/14/2007	<3.3	<1.7	<1.7	<1.7	**1.9**	<1.7	<1.7	<67	<1.7	<1.7	**230**	<1.7	Weiss
38B2	MEW RGRP (South of 101)	11/13/2008	<2.5	<1.3	<1.3	<1.3	**1.5**	<1.3	**1.7**	<50	<1.3	<1.3	**190**	<1.3	Weiss
38B2	MEW RGRP (South of 101)	11/18/2009	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<40	<1.0	<1.0	**170**	<1.0	Weiss
38B2	MEW RGRP (South of 101)	11/10/2010	<1.0	<1.0	<1.0	<1.0	**2.3**	<1.0	<4.0	<40	<1.0	<1.0	**200**	<1.0	Geosyntec
38B2	MEW RGRP (South of 101)	10/6/2011	<3.3	<1.7	<1.7	<1.7	<1.7	<1.7	<6.7	<6.7	<1.7	<1.7	**160**	<1.7	Weiss
NEC8B2	MEW RGRP (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
NEC8B2	MEW RGRP (South of 101)	11/20/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
NEC8B2	MEW RGRP (South of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
NEC8B2	MEW RGRP (South of 101)	10/6/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
NEC18B2	MEW RGRP (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	**0.9**	<0.5	<0.5	<20	<0.5	<0.5	**44**	<0.5	Weiss
NEC18B2	MEW RGRP (South of 101)	11/18/2008	<1.0	<0.5	<0.5	<0.5	**0.8**	<0.5	<0.5	<20	<0.5	<0.5	**36**	<0.5	Weiss
NEC18B2	MEW RGRP (South of 101)	11/10/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**24**	<0.5	Weiss
NEC18B2	MEW RGRP (South of 101)	11/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**25**	<0.5	Weiss
NEC18B2	MEW RGRP (South of 101)	9/23/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**26**	<0.5	Weiss
REG-1B(2)	MEW RGRP (South of 101)	11/14/2007	<83	<42	<42	<42	**150**	<42	**290**	<1700	<42	<42	**9700**	<42	Weiss
REG-1B(2) D	MEW RGRP (South of 101)	11/14/2007	<140	<71	<71	<71	**140**	<71	**290**	<2900	<71	<71	**9400**	<71	Weiss
REG-1B(2)	MEW RGRP (South of 101)	11/5/2008	<200	<100	<100	<100	**180**	<100	**780**	<4000	<100	<100	**13000**	<100	Weiss
REG-1B(2) D	MEW RGRP (South of 101)	11/5/2008	<200	<100	<100	<100	**170**	<100	**710**	<4000	<100	<100	**12000**	<100	Weiss
REG-1B(2)	MEW RGRP (South of 101)	11/14/2009	<20	<10	<10	**12**	**170**	**13**	**430**	<400	<10	<10	**13000**	<10	Weiss
REG-1B(2) D	MEW RGRP (South of 101)	11/14/2009	<10	<5.0	<5.0	**11**	**170**	**13**	**430**	<200	**5.2**	<5.0	**12000**	<5.0	Weiss
REG-1B(2)	MEW RGRP (South of 101)	11/23/2010	<170	<83	<83	<83	**160**	<83	**510**	<330	<83	<83	**11000**	<83	Weiss
REG-1B(2) D	MEW RGRP (South of 101)	11/23/2010	<100	<50	<50	<50	**170**	<50	**550**	<200	<50	<50	**11000**	<50	Weiss
REG-1B(2)	MEW RGRP (South of 101)	10/6/2011	<170	<83	<83	<83	**170**	<83	**420**	<330	<83	<83	**12000**	<83	Weiss
REG-3B(2)	MEW RGRP (South of 101)	11/13/2007	<1.0	<0.5	<0.5	<0.5	**9.3**	<0.5	<0.5	<20	<0.5	<0.5	**230**	<0.5	Weiss
REG-3B(2)	MEW RGRP (South of 101)	11/5/2008	<3.3	<1.7	<1.7	<1.7	**6.1**	<1.7	<1.7	<67	<1.7	<1.7	**270**	<1.7	Weiss
REG-3B(2)	MEW RGRP (South of 101)	11/11/2009	<2.5	<1.3	<1.3	<1.3	**6.3**	<1.3	<5.0	<50	<1.3	<1.3	**180**	<1.3	Weiss
REG-3B(2)	MEW RGRP (South of 101)	11/18/2010	<2.0	<1.0	<1.0	<1.0	**4.7**	<1.0	<4.0	<4.0	<1.0	<1.0	**190**	<1.0	Weiss
REG-3B(2)	MEW RGRP (South of 101)	9/8/2011	<3.3	<1.7	<1.7	<1.7	**5.4**	<1.7	<6.7	<6.7	<1.7	<1.7	**170**	<1.7	Weiss
REG-MW-1B(2)	MEW RGRP (South of 101)	11/13/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.0**	<0.5	Weiss
REG-MW-1B(2)	MEW RGRP (South of 101)	11/7/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss

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			Chloro-form	**1,1-DCA**	**1,2-DCA**	**1,1-DCE**	**cis-1,2-DCE**	**trans-1,2-DCE**	**Freon 113**	**Methylene Chloride**	**PCE**	**1,1,1-TCA**	**TCE**	**Vinyl Chloride**	**Sampled By**
REG-MW-1B(2)	MEW RGRP (South of 101)	11/20/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
REG-MW-1B(2)	MEW RGRP (South of 101)	11/12/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
REG-MW-1B(2)	MEW RGRP (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
RW-9(B2)	MEW RGRP (South of 101)	11/12/2007	<8.3	<4.2	<4.2	**7.5**	**280**	**6.1**	**13**	<170	<4.2	<4.2	**610**	<4.2	Weiss
RW-9(B2)	MEW RGRP (South of 101)	11/4/2008	<5.0	<2.5	<2.5	**6.0**	**230**	**5.1**	**9.0**	<100	<2.5	<2.5	**660**	<2.5	Weiss
RW-9(B2)	MEW RGRP (South of 101)	11/16/2009	<2.0	<1.0	<1.0	**6.1**	**200**	**13**	**9.6**	<40	<1.0	<1.0	**600**	<1.0	Weiss
RW-9(B2)	MEW RGRP (South of 101)	11/22/2010	<7.1	<3.6	<3.6	**8.0**	**180**	**5.4**	<14	<14	<3.6	<3.6	**650**	<3.6	Weiss
RW-9(B2)	MEW RGRP (South of 101)	10/6/2011	<10	<5.0	<5.0	**6.6**	**200**	<5.0	<20	<20	<5.0	<5.0	**550**	**8.5**	Weiss
R13B2	Raytheon (South of 101)	12/7/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R13B2	Raytheon (South of 101)	11/13/2008	**14**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R13B2	Raytheon (South of 101)	12/9/2009	**5.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R13B2	Raytheon (South of 101)	12/10/2010	**7.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R13B2	Raytheon (South of 101)	9/21/2011	**5.8**	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R30B2	Raytheon (South of 101)	12/10/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**24**	<0.5	Locus/Raytheon
R30B2	Raytheon (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**20**	<0.5	Raytheon
R30B2	Raytheon (South of 101)	12/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**17**	<0.5	Raytheon/Locus
R30B2	Raytheon (South of 101)	12/14/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**18**	<0.5	Locus for Raytheon
R30B2	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**14**	<0.5	Raytheon/Locus
R40B1(B2)	Raytheon (South of 101)	12/10/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.9**	<0.5	Locus/Raytheon
R40B1(B2)	Raytheon (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**2.1**	<0.5	Raytheon
R40B1(B2)	Raytheon (South of 101)	12/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.0**	<0.5	Raytheon/Locus
R40B1(B2)	Raytheon (South of 101)	12/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R40B1(B2)	Raytheon (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.7**	<0.5	Raytheon/Locus
R41B2	Raytheon (South of 101)	12/10/2007	<1.0	<0.5	<0.5	<0.5	**1.5**	<0.5	<0.5	<20	<0.5	<0.5	**77**	<0.5	Locus/Raytheon
R41B2 D	Raytheon (South of 101)	12/10/2007	<1.4	<0.7	<0.7	<0.7	**2.3**	<0.7	<0.7	<29	<0.7	<0.7	**110**	<0.7	Locus/Raytheon
R41B2	Raytheon (South of 101)	11/14/2008	<1.4	<0.7	<0.7	<0.7	**2.8**	<0.7	<0.7	<29	<0.7	<0.7	**110**	<0.7	Raytheon
R41B2 D	Raytheon (South of 101)	11/14/2008	<1.7	<0.8	<0.8	<0.8	**2.9**	<0.8	<0.8	<33	<0.8	<0.8	**110**	<0.8	Raytheon
R41B2	Raytheon (South of 101)	12/9/2009	<1.0	<0.5	<0.5	<0.5	**2.3**	<0.5	<2.0	<20	<0.5	<0.5	**97**	<0.5	Raytheon/Locus
R41B2 D	Raytheon (South of 101)	12/9/2009	<1.0	<0.5	<0.5	<0.5	**2.5**	<0.5	<2.0	<20	<0.5	<0.5	**74**	<0.5	Raytheon/Locus
R41B2	Raytheon (South of 101)	12/16/2010	<1.0	<0.5	<0.5	<0.5	**1.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**42**	<0.5	Locus for Raytheon
R41B2 D	Raytheon (South of 101)	12/16/2010	<1.0	<0.5	<0.5	<0.5	**1.0**	<0.5	<2.0	<2.0	<0.5	<0.5	**42**	<0.5	Locus for Raytheon
R41B2	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	**1.5**	<0.5	<2.0	<2.0	<0.5	<0.5	**54**	<0.5	Raytheon/Locus
R41B2 D	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	**1.5**	<0.5	<2.0	<2.0	<0.5	<0.5	**54**	<0.5	Raytheon/Locus
R50B2	Raytheon (South of 101)	12/7/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R50B2	Raytheon (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R50B2	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R50B2	Raytheon (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R50B2	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R52B2	Raytheon (South of 101)	12/7/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R52B2	Raytheon (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R52B2	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus

Table J-1

Analytical Results - VOCs - RGRP Wells

Five Year Summary, January 2007 through December 2011

MEW Regional Groundwater Remediation Program

Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
R52B2	Raytheon (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R52B2	Raytheon (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R55B2	Raytheon (South of 101)	12/7/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R55B2	Raytheon (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R55B2	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R55B2	Raytheon (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R55B2	Raytheon (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
B3 Zone															
28B3	Fairchild (South of 101)	4/24/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss for Navy
28B3	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
28B3	Fairchild (South of 101)	11/3/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
28B3	Fairchild (South of 101)	11/11/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
28B3	Fairchild (South of 101)	10/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
30B3	Fairchild (South of 101)	11/8/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.0**	<0.5	Weiss
30B3	Fairchild (South of 101)	11/18/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
30B3	Fairchild (South of 101)	11/4/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
30B3	Fairchild (South of 101)	11/12/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss/Geosyntec
30B3	Fairchild (South of 101)	9/16/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
44B3	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.9**	<20	<0.5	<0.5	**8.8**	<0.5	Weiss
44B3	Fairchild (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**2.2**	<0.5	Weiss
44B3	Fairchild (South of 101)	11/10/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
44B3	Fairchild (South of 101)	11/12/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss/Geosyntec
44B3	Fairchild (South of 101)	10/6/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.5**	<0.5	Weiss
133B3	Fairchild (South of 101)	11/19/2007	<1.0	<0.5	<0.5	<0.5	**0.6**	<0.5	<0.5	<20	<0.5	<0.5	**2.3**	**0.7**	Weiss
133B3	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
133B3	Fairchild (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
133B3	Fairchild (South of 101)	11/11/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Geosyntec
133B3	Fairchild (South of 101)	10/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
65B3	MEW RGRP (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**5.3**	<0.5	Weiss
65B3	MEW RGRP (South of 101)	11/11/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**5.0**	<0.5	Weiss
65B3	MEW RGRP (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**3.8**	<0.5	Weiss
65B3	MEW RGRP (South of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**3.5**	<0.5	Weiss
65B3	MEW RGRP (South of 101)	10/6/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**3.1**	<0.5	Weiss
R5B3	Raytheon (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R5B3	Raytheon (South of 101)	12/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R5B3	Raytheon (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R5B3	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R9B3	Raytheon (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R9B3	Raytheon (South of 101)	12/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R9B3	Raytheon (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
R9B3	Raytheon (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R27B3	Raytheon (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R27B3	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R27B3	Raytheon (South of 101)	12/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R27B3	Raytheon (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R54B3	Raytheon (South of 101)	12/7/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R54B3	Raytheon (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R54B3	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R54B3	Raytheon (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R54B3	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R56B3	Raytheon (South of 101)	12/7/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R56B3	Raytheon (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R56B3	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R56B3	Raytheon (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R56B3	Raytheon (South of 101)	9/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R61B3	Raytheon (South of 101)	12/10/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R61B3	Raytheon (South of 101)	11/13/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R61B3	Raytheon (South of 101)	12/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R61B3	Raytheon (South of 101)	12/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R61B3	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
C Zone															
6C	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.4**	<0.5	Weiss
6C	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.5**	<0.5	Weiss
6C	Fairchild (South of 101)	11/20/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.1**	<0.5	Weiss
6C	Fairchild (South of 101)	11/18/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.9**	<0.5	Weiss
6C	Fairchild (South of 101)	10/20/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
8C	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	**0.5**	<0.5	<0.5	<20	<0.5	<0.5	**25**	<0.5	Weiss
8C	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**0.6**	<20	<0.5	<0.5	**29**	<0.5	Weiss
8C	Fairchild (South of 101)	11/20/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**28**	<0.5	Weiss
8C D	Fairchild (South of 101)	11/20/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**27**	<0.5	Weiss
8C	Fairchild (South of 101)	11/11/2010	<0.5	<0.5	<0.5	<0.5	**2.1**	<0.5	<2.0	<20	<0.5	<0.5	**24**	<0.5	Geosyntec
8C	Fairchild (South of 101)	10/24/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**27**	<0.5	Weiss
9C	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
9C	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**0.6**	<0.5	Weiss
9C	Fairchild (South of 101)	12/1/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
9C	Fairchild (South of 101)	10/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**1.8**	<0.5	Weiss
10C	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
10C	Fairchild (South of 101)	11/20/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**20**	<0.5	Weiss
10C	Fairchild (South of 101)	12/1/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
10C D	Fairchild (South of 101)	12/1/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
10C	Fairchild (South of 101)	10/24/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
11C	Fairchild (South of 101)	11/19/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.6**	<0.5	Weiss
11C	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**2.0**	<0.5	Weiss
11C	Fairchild (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.7**	<0.5	Weiss
11C	Fairchild (South of 101)	11/11/2010	<1.0	<0.5	<0.5	<0.5	**0.5**	<0.5	<2.0	<2.0	<0.5	<0.5	**1.9**	<0.5	Weiss
11C	Fairchild (South of 101)	10/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
DW2-234	Fairchild (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW2-234	Fairchild (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW2-234	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW2-234	Fairchild (South of 101)	12/7/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
DW2-234	Fairchild (South of 101)	10/24/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	**2.1**	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	6/8/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.7**	<0.5	Weiss
DW3-219 D	MEW RGRP (South of 101)	6/8/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.8**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	11/12/2007	<1.0	**1.2**	<0.5	<0.5	**0.5**	<0.5	<0.5	<20	<0.5	**1.1**	**18**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	3/4/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.7**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	5/19/2008	<1.0	<0.5	<0.5	<0.5	**3.5**	<0.5	<0.5	<20	<0.5	<0.5	<0.5	**0.6**	Weiss
DW3-219	MEW RGRP (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**3.2**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	2/2/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.7**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	5/29/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.9**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	7/24/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.8**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**0.6**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	5/5/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.6**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.8**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	5/11/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**0.9**	<0.5	Weiss
DW3-219	MEW RGRP (South of 101)	10/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	**0.72**	<0.50	Weiss
DW1-230	Raytheon (South of 101)	4/24/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss for Navy
DW1-230	Raytheon (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW1-230	Raytheon (South of 101)	11/20/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW1-230	Raytheon (South of 101)	12/7/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
DW1-230	Raytheon (South of 101)	10/24/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
R4C	Raytheon (South of 101)	12/10/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Locus/Raytheon
R4C	Raytheon (South of 101)	11/14/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Raytheon
R4C	Raytheon (South of 101)	12/8/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
R4C	Raytheon (South of 101)	12/10/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Locus for Raytheon
R4C	Raytheon (South of 101)	9/21/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Raytheon/Locus
RW-1C	Silva (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	**3.2**	<0.5	<0.5	<20	<0.5	<0.5	**16**	<0.5	Weiss
RW-1C	Silva (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	**10**	<0.5	<0.5	<20	<0.5	<0.5	**16**	<0.5	Weiss
RW-1C	Silva (South of 101)	11/9/2009	<1.0	<0.5	<0.5	<0.5	**4.6**	<0.5	<2.0	<20	<0.5	<0.5	**7.5**	<0.5	Weiss
RW-1C	Silva (South of 101)	11/11/2010	<0.5	<0.5	<0.5	<0.5	**5.4**	<0.5	<2.0	<20	<0.5	<0.5	**6.6**	<0.5	Geosyntec
RW-1C	Silva (South of 101)	10/6/2011	<1.0	<0.5	<0.5	<0.5	**4.2**	<0.5	<2.0	<2.0	<0.5	<0.5	**4.5**	<0.5	Weiss
Deep Zone															

Table J-1
Analytical Results - VOCs - RGRP Wells
Five Year Summary, January 2007 through December 2011
MEW Regional Groundwater Remediation Program
Mountain View, California

Well	Owner	Date	Constituent (concentration in micrograms per liter, ug/L and method is 8260B)												
			Chloro-form	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Freon 113	Methylene Chloride	PCE	1,1,1-TCA	TCE	Vinyl Chloride	Sampled By
DW3-551	Fairchild (South of 101)	11/14/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-551	Fairchild (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-551	Fairchild (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-551	Fairchild (South of 101)	11/23/2010	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**0.6**	<0.5	Weiss/Geosyntec
DW3-551	Fairchild (South of 101)	10/25/2011	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-244	MEW RGRP (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**0.9**	<0.5	Weiss
DW3-244	MEW RGRP (South of 101)	5/28/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.4**	<0.5	Weiss
DW3-244	MEW RGRP (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**1.4**	<0.5	Weiss
DW3-244	MEW RGRP (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**1.1**	<0.5	Weiss
DW3-244	MEW RGRP (South of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**1.2**	<0.5	Weiss
DW3-244	MEW RGRP (South of 101)	10/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	**1.1**	<0.50	Weiss
DW3-334	MEW RGRP (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	**6.4**	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-334	MEW RGRP (South of 101)	5/28/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**7.8**	<0.5	Weiss
DW3-334	MEW RGRP (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**6.8**	<0.5	Weiss
DW3-334	MEW RGRP (South of 101)	11/18/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**5.7**	<0.5	Weiss
DW3-334	MEW RGRP (South of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**9.0**	<0.5	Weiss
DW3-334	MEW RGRP (South of 101)	10/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	**8.3**	<0.50	Weiss
DW3-364	MEW RGRP (South of 101)	11/12/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**6.3**	<0.5	Weiss
DW3-364	MEW RGRP (South of 101)	5/28/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**6.1**	<0.5	Weiss
DW3-364	MEW RGRP (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	**5.8**	<0.5	Weiss
DW3-364	MEW RGRP (South of 101)	11/23/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	**4.5**	<0.5	Weiss
DW3-364	MEW RGRP (South of 101)	12/3/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	**4.6**	<0.5	Weiss
DW3-364	MEW RGRP (South of 101)	10/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	**4.3**	<0.50	Weiss
DW3-505R	MEW RGRP (South of 101)	11/19/2007	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-505R	MEW RGRP (South of 101)	11/15/2008	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-505R	MEW RGRP (South of 101)	11/23/2009	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<20	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-505R	MEW RGRP (South of 101)	12/9/2010	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<2.0	<0.5	<0.5	<0.5	<0.5	Weiss
DW3-505R	MEW RGRP (South of 101)	10/14/2011	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	Weiss

Notes:
1,1-DCA = 1,1-Dichloroethane
1,2-DCA = 1,2-Dichloroethane
1,1-DCE = 1,2-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
PCE = Tetrachloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
TCE = Trichloroethene
< indicates analyte not detected above the reported detection limit
D indicates duplicate sample