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31 March 2015

Ms. Melanie Morash
Remedial Project Manager
U. S. Environmental Protection Agency
Region 9
75 Hawthorne Street, SFD-7-1
San Francisco, CA 94105

Re: Technical Memorandum in Response to 2014 Five-Year Review Report
Former TRW Microwave Site, 825 Stewart Drive, Sunnyvale, California

Dear Ms. Morash:

Northrop Grumman Systems Corporation is submitting the enclosed technical memorandum to respond to the issues and recommendations in the 2014 Fourth Five-Year Review Report issued by USEPA for the former TRW Microwave site. Following your review of this document, we would like to work together with you to discuss this information and develop a proposed plan for moving forward.

If you have any questions, please do not hesitate to contact me at 703-280-4035, or our project manager, Linda Niemeyer, at 760-944-9490.

Sincerely,

Joseph P. Kwan
Corporate Director, Environmental Remediation
on behalf of Northrop Grumman Systems Corporation

Enclosure: Technical Memorandum in Response to 2014 Five-Year Review Report

cc: Rebecca Mora - AECOM
Linda Niemeyer - Watermark

AECOM

TECHNICAL MEMORANDUM IN RESPONSE TO 2014 FIVE-YEAR REVIEW REPORT

FORMER TRW MICROWAVE SITE
825 STEWART DRIVE
SUNNYVALE, CALIFORNIA

March 2015

TECHNICAL MEMORANDUM
IN RESPONSE TO 2014 FIVE-YEAR REVIEW REPORT

FORMER TRW MICROWAVE SITE
825 STEWART DRIVE
SUNNYVALE, CALIFORNIA

March 31, 2015

Prepared by:

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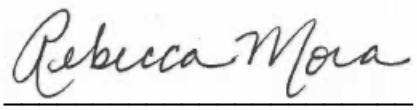

Rebecca Mora
Senior Engineer/Project Manager

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1.0 INTRODUCTION AND BACKGROUND

On behalf of Northrop Grumman Systems Corporation (Northrop Grumman), AECOM (AECOM, Inc) has prepared this *Technical Memorandum in Response to 2014 Five-Year Review Report* (Technical Memorandum) for the former TRW Microwave site located at 825 Stewart Drive in Sunnyvale, California (Site).

The purpose of this Technical Memorandum is to address issues and recommendations that were presented in the *Fourth Five-Year Review Report for Advanced Micro Devices 901/902 and TRW Microwave Superfund Sites* (2014 FYR) (United States Army Corps of Engineers [USACE], 2014). The purpose of the 2014 FYR was to review Site information to determine if the remedy documented in the 1991 Record of Decision (ROD) (United States Environmental Protection Agency [USEPA], 1991) was and would continue to be protective of human health and the environment. Included in the Executive Summary of the 2014 FYR was a Five-Year Review Summary Form that listed issues and recommendations for the Site (Table 1).

Table 1. Issues/Recommendations Listed in the 2014 Five-Year Review Report for the TRW Microwave Site

No.	Issue	Recommendation
1	The remedy selected for the Site (groundwater extraction and treatment) is no longer being operated.	Select a revised cleanup plan and prepare a revised Environmental Protection Agency decision document.
2	Groundwater contamination is inadequately characterized in the source area and downgradient B3 Zone.	Add source area and downgradient B3 zone wells to the suite of annual monitoring wells.
3	Increasing contaminant of concern concentrations in downgradient wells indicates that the remedy is not containing off-site migration.	Investigate and implement optimization options for the in situ bioremediation to decrease downgradient groundwater contamination.

The first item in Table 1 will be addressed in subsequent USEPA decision documents, as recommended. This Technical Memorandum addresses Items 2 and 3 from Table 1 by providing additional information and updates that were either not included in the 2014 FYR or were not available for review at the time of its preparation.

This Technical Memorandum is organized as follows:

2.0 Zone B3 Characterization
3.0 Update on Source Area Treatment
4.0 Potential Impacts from Off-Site Sources
5.0 Summary
6.0 References

2.0 ZONE B3 CHARACTERIZATION

The Site stratigraphy consists predominantly of clay and silty clay inter-bedded with coarser lenses of sands and gravels. Six water-yielding zones, Zone A and Zones B1 through B5, have been identified beneath the Site or in the surrounding area. These zones consist of higher permeablity channel-fill deposits, ranging from silty sand to sand and gravel, that are vertically separated by relatively continuous lower permeability clay and silt floodplain and estuarine bay deposits. The lower permeability deposits are locally breached/eroded by younger channel deposits. Although the zones themselves are understood to form mappable units in the Site area, the individual permeable lenses within the zones are channelized and heterogeneous in nature.

As shown on Figure 1, Site groundwater is monitored using a network of monitoring wells. A total of 42 monitoring wells and the Eductor (a 6-inch perforated polyvinyl chloride pipe installed in the former source area) were installed at the Site. Historically, 25 wells and the Eductor were classified as screened within Zone A, 10 wells in Zone B1, six wells in Zone B2, and one well in Zone B4. As stated in the 1991 ROD, Zone B3 at the Site is relatively thin and was only encountered in a few borings at the Site. Historically, no wells at the Site have been designated as Zone B3 monitoring wells. Montoring wells T-1A and T-1B (not shown on Figure 1), screening Zones A and B1, respectively, were destroyed with concurrence from the California Regional Water Quality Control Board-San Francisco Region (Water Board) in 2004. The Eductor, Zone A monitoring wells T-2A and T-3A, Zone B1 monitoring well T-2B, and Zone B2 monitoring well T-2C were destroyed in November 2014 with the concurrence of USEPA.

The 2014 FYR states that the lack of monitoring wells and monitoring data for Zone B3 in both the on-site source area and downgradient represents a data gap. In response to this comment, AECOM reviewed borehole logs and updated site cross-sections to critically evaluate the presence and nature of Zone B3 at the Site with respect to the groundwater monitoring network. This review indicated that coarse-grained strata corresponding to Zone B3 are in fact monitored in well T-9C, located at the downgradient Site boundary (Figures 1 and 2), and this well should be reclassified as a Zone B3 monitoring well.

Figure 2 presents an updated cross-section for the Site, oriented parallel to groundwater flow, and includes upgradient and downgradient off-site wells which are designated as Zone B3 wells (upgradient well 35DDD and downgradient well COM15B3). The location of the cross-section is shown in the lower-left corner of Figure 2. As shown on Figure 2, on-site well T-9C is screened across a 1-foot sand lens and 2 feet of sandy clay with moderate permeability from approximately 62 to 65 feet below ground surface at the stratigraphic horizon corresponding to Zone B3. Table 2 below summarizes the last 5 years of analytical

results for well T-9C for the primary contaminants of concern (COCs) at the Site, trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC). Complete historic analytical results for Well T-9C are included in Appendix A.

Table 2. Summary of Recent Analytical Results for Primary COCs in Well T-9C

Date	TCE (μg/L)	cDCE (μg/L)	VC (μg/L)
October 2014	<0.50	0.54	<0.50
October 2013	<0.50	0.36 J	<0.50
October 2012	5	3.7	<0.50
October 2011	<0.50	<0.50	<0.50
October 2010	0.98	2.1	<0.50

μg/L = micrograms per liter
J = estimated value

As shown in Table 2, contaminant concentrations have been at or below the California Maximum Contaminant Level (MCL) in well T-9C for the past 5 years. Zone B2 wells T-10C and T-11C, located adjacent to T-9C, have exhibited very different historic contaminant concentrations trends from T-9C, further supporting that T-9C is likely screened across a different zone (Zone B3). The discontinuous Zone B3 permeable lenses and the analytical data summarized in Table 2 suggest that minimal, if any, contamination is migrating off-site (or even across the Site) in Zone B3.

A Zone B3 monitoring well does not exist in the former on-site source area and it is no longer possible to install one. The former source area is located underneath a building and all monitoring wells inside the building have been recently destroyed based on their potential for serving as preferential pathways for vapor intrusion (VI). The former source area wells were destroyed in accordance with the *Well Destruction and Source Removal Work Plan* (AECOM, 2014a). However, lithologic data from Well T-2C show that a significantly thick clay layer underlies Zone B2 beneath the former source area, separating the Zone B2 channel deposits from the underlying Zone B3 (Figure 2).

3.0 UPDATE ON SOURCE AREA TREATMENT

As noted in Item 3 of Table 1, additional investigation and remedial optimization were recommended in the 2014 FYR to address elevated contaminant concentrations at the Site. Although not done as a result of the 2014 FYR, further source area investigation and remediation activities were performed at the Site in late 2014, after the 2014 FYR was completed, and are described below.

3.1 Membrane Interface Probe Investigation

A membrane interface probe (MIP) investigation was performed in the former source area in July 2014 to expand upon a previous source area MIP investigation performed in July 2013. The 2014 MIP investigation was designed to further delineate the lateral and vertical extent of residual elevated concentration volatile organic compound (VOC)-impacted material within and to the north and west of the original source area excavation, focusing on

the shallowest water-bearing zone (Zone A) (AECOM, 2014b). Figure 3 shows the MIP locations and the locations of confirmation boreholes from both the 2014 and 2013 MIP investigations. Table 3 (attached) summarizes the 2014 MIP detections for each point and corresponding analytical results from nearby soil samples. Concrete coring for several of the MIP locations identified the extent of the building footing that was constructed over the original excavation when the building was remodeled in 2001-2003. The footing was identified as extending approximately 5 feet out (west) from the edge of the interior building wall located along the eastern side of the original excavation, as shown on Figure 3.

The 2014 MIP investigation detected an elevated concentration area within the original source area excavation, immediately southwest of the Eductor (MIP-10). Analytical results for soil samples collected from a confirmation boring (MIP-C) adjacent to MIP-10 showed cDCE concentrations of up to 27,000 micrograms per kilogram (µg/kg). Based on both the MIP sensor responses and the analytical results, the highest concentrations of VOCs at this location were detected between 10 feet bgs and 16 feet bgs, decreasing significantly with depth below 16 feet bgs. Soil samples from a second confirmation boring (MIP-B), drilled adjacent to MIP-9 and immediately outside the extent of the original excavation, showed significantly lower concentrations of VOCs with a maximum cDCE detection of 2,600 µg/kg at 13 feet bgs (Figure 4). A third confirmation boring (MIP-D) was attempted near the Eductor; however, this boring was not completed due to heaving/flowing sands at approximately 10 feet bgs, which prevented farther advancement of the sampling equipment.

3.2 Supplemental Source Area Excavation

Results of the MIP investigation indicated that VOC-impacted material with elevated concentrations remained within the original excavation, southwest of the Eductor. As the material could potentially serve as a source of VOCs to groundwater and indoor air, it was decided that the area should be excavated using large-diameter augers. Supplemental excavation activities were performed in accordance with the *Well Destruction and Source Removal Work Plan* (AECOM, 2014a). Prior to excavation, soil borings were drilled to the north, west, and south of the proposed excavation area to document VOC-impacted material that may remain after excavation was complete and adjust the planned extent of the excavation, if necessary. Figure 4 shows the locations of the five pre-excavation soil borings (SB-1 through SB-5) and the extent of the initially proposed excavation in gray. Based on soil results from the five initial soil borings, the footprint of the proposed excavation was increased to the north near the Eductor and to the west (areas shown in yellow on Figure 4).

Additional step-out borings were then drilled and soil samples were collected for analysis of VOCs to determine whether the source area excavation should be expanded farther. Figure 4 shows the locations of the additional soil borings (SB-6, SB-7, and SB-11 through SB-27). Note SB-8, -9, and -10 are shown on Figure 3 but not shown on Figure 4, as they were angled borings under the building footing and were not related to defining the excavation extent. Table 4 (attached) summarizes the VOC soil results for these step-out borings. Previous confirmation soil borings drilled during the 2013 and 2014 membrane interface probe investigations (MIP-A, MIP-B, MIP-C, and MIP-D) are also shown on

Figures 3 and 4 and their VOC soil results are included in Table 4. As shown in Table 4, elevated VOC impacts were present outside of the initially proposed excavation area and the distribution of VOCs was highly variable both laterally and vertically.

Based on the soil boring results, the excavation was expanded significantly beyond its initially planned extent in accordance with the rationale and procedures described in the *Work Plan Addendum for Source Area Removal Activities* (AECOM, 2014c). A total of approximately 590 tons of soil and semi-solids and approximately 9,000 gallons of water were removed from the source area. A detailed description of the 2014 excavation activities at the Site is provided in the *Source Area Soil Removal Report* (Orion Environmental Inc., 2015).

3.3 Additional Source Area Injection Activities

As part of the soil boring effort described above, three angled borings (SB-8, SB-9, and SB-10) were advanced beneath the building footing as shown on Figure 3. The soil sample results from these angle borings, which are provided in Table 4, indicated that residual VOC-impacted material was present beneath the building footing described in Section 3.1. This material was not accessible via the large-diameter auger excavation activities, and thus an alternative approach was necessary to address this area.

In accordance with the *Work Plan for Additional Source Area Injection Activities* (AECOM, 2014d), amendments were injected underneath the building footing to stimulate enhanced anaerobic bioremediation (EAB) of the chlorinated VOCs. The injection activities were performed from December 8-12, 2014. Approximately 1,800 gallons of an emulsified vegetable oil (EVO) solution, 1,185 pounds of colloidal buffer, 590 pounds of soluble buffer, and 6 liters of bioaugmentation culture were injected beneath the building footing. Based on previous source area characterization work, the footing was at least 4 feet thick and underlain by a hard layer (likely native soil mixed with cement) of unknown thickness. Previous attempts to core through the concrete and advance direct push rods in this area were not successful. Therefore, EVO was injected adjacent to the west edge of the footing using direct push technology and a directional injection tool that directed amendments to the east, underneath the footing. For additional coverage, EVO was also injected adjacent to the east side of the interior building wall and directed west under the building footing. Figure 5 shows the injection point locations and distribution of injected amendments.

4.0 POTENTIAL IMPACT FROM OFF-SITE SOURCES

Item 3 of Table 1 suggests that the cause for increasing contaminant concentrations in downgradient wells is that the previous remedial actions have not been adequate to prevent off-site migration. While this could be a reason, it is also possible that off-site sources are contributing to the increasing contaminant concentrations in the downgradient portion of the Site. While the 2014 FYR does acknowledge contribution to the Site from upgradient off-site sources, there is no discussion of possible contribution from the adjacent Philips 811 East Arques Avenue site to downgradient on-site wells. Figure 6 shows the locations of the TRW Microwave site as well as neighboring sites: Advanced Micro Devices (AMD) 901/902 Thompson Place, Philips 811 East Arques Avenue, and AMD 915 DeGuigne Drive.

The 2014 FYR states that since the previous FYR, TCE concentrations have remained stable in Zone A, are stable to slightly increasing in Zone B1, and have rebounded/increased in Zone B2. In addition, it states that concentrations of TCE and cDCE increase downgradient in Zones B1 and B2, relative to the source area. Table 14 of the 2014 FYR (Appendix B in this document) cites Zone B1 well T-9B as having the maximum TCE concentration detected downgradient from the source area and Zone B1 well T-4B as having the maximum cDCE concentration detected downgradient of the source area. In addition, it cites well T-10C as having the maximum TCE concentration in downgradient Zone B2. As discussed below, it is somewhat misleading to use concentration trends in these wells (T-9B, T-4B, and T-10C) to draw conclusions about downgradient migration of on-site impacts without the consideration off-site source contribution to these wells.

It is suspected that well T-9B has been impacted by an off-site source, and that historic pumping from T-9B induced the migration of VOCs onto the Site in Zone B1 from this off-site source (CDM, 1999 and 2000). This conclusion is supported by the historic substantially higher TCE concentrations for T-9B compared to upgradient Zone B1 wells T-8B and T-10B and the historic presence of Freon 113 in T-9B which is not attributed to the Site nor ever detected in the Eductor (Appendix A). Based on October 2014 data, TCE concentrations are still significantly higher in well T-9B (390 µg/L) than upgradient wells T-8B (10 µg/L) and T-10B (45 µg/L) (Figure 1). The decrease in TCE concentrations following the suspension of groundwater extraction at T-9B, in addition to the different contaminant profile in upgradient on-site wells, support the conclusion that groundwater around T-9B is impacted by historic pumping-induced migration of the Philips plume onto the Site.

Well T-4B is located near the western property boundary of the Site. TCE concentrations were below the site cleanup requirement of 5 µg/L in October 2006 and have since fluctuated between 2.5 µg/L and 9.2 µg/L. Concentrations of cDCE have been consistently higher than TCE since 2000, and have fluctuated between 360 µg/L and 600 µg/L since 2007, with one exception of 830 µg/L in 2013 (Appendix A). While it is possible that these elevated cDCE concentrations in well T-4B since 2006/2007 may be attributed to migration of EAB dechlorination products (cDCE, VC, and ethene) in groundwater from the former Site source area, (although VC has not been detected in well T-4B since 2007), it is also possible that the elevated cDCE concentrations in well T-4B are related to cDCE migrating onto and through the Site from off-site sources (e.g., the Philips site).

VOC concentrations for Zone B2 in the central Site area decreased an order of magnitude following suspension of groundwater extraction from Site well T-2C in November 2000. In September 2014, the TCE concentration in well T-2C was 280 µg/L, compared to concentrations exceeding 3,000 µg/L prior to 2000. Concentrations in well T-2C have historically been elevated relative to Zone B1 and have resulted solely from off-site sources, as substantiated by a differing suite of VOCs with differing VOC ratios for Zone B2 relative to overlying Zone B1 (e.g., the presence of Freon 113 in Zone B2, which is not attributed to the Site) and the absence of VOCs common to the former Site source area (PCE). Groundwater extraction from T-2C in the past is suspected to have contributed to the

migration of VOCs onto the Site. Since the suspension of groundwater extraction from this well, TCE concentrations have decreased more than 90% and Freon 113 concentrations have decreased two orders of magnitude. These decreases are attributed to capture of a significant portion of the plume in Zone B2 by the Philips extraction system.

Well T-10C is located in the farthest downgradient portion of the Site and is cited in Table 14 of the FYR as providing evidence of increasing downgradient concentrations that are attributed to the on-site source area. This is misleading because well T-10C is clearly impacted by off-site sources. The TCE concentration in well T-10C has historically been significantly (e.g., an order of magnitude) greater than all other Zone B2 wells at the Site, it has current and historic elevated detections of Freon 113 (170 µg/L in October 2014, Appenidx A), and it is located along the western Site boundary adjacent to the Philips site. While the 2014 FYR states that downgradient Zone B2 contamination could be migrating vertically from Zone B1 and originate from the on-site source area, it is important to consider that downgradient Zone B2 contamination is at least partially attributed to off-site sources.

Therefore, while it is possible that increases in downgradient TCE and cDCE concentrations may be attributed to migration from the on-site source area, historic and current data suggests that impacts from off-site sources are also contributing. Based on the recent source area treatment described in Section 3, it is not expected that the former on-site source area will continue to contribute significant contaminant mass to groundwater. Therefore, additional groundwater monitoring is required to 1) evaluate the effects of the November 2014 source area excavation activities, 2) monitor the impacts from off-site sources, and 3) assess the need for additional remedial activities.

5.0 SUMMARY

Based on the information presented in Sections 2, 3, and 4, Table 5 below provides a summary of responses to the issues and recommendations that were presented in the 2014 FYR.

Table 5. Responses to Issues/Recommendations Listed in the 2014 Five Year Review Report for the TRW Microwave Site

No.	Issue from 2014 FYR	2014 FYR Recommendation	Response
1	The remedy selected for the Site (groundwater extraction and treatment) is no longer being operated.	Select a revised cleanup plan and prepare a revised Environmental Protection Agency decision document.	This issue will be addressed in subsequent USEPA decision documents, as recommended.

No.	Issue from 2014 FYR	2014 FYR Recommendation	Response
2	Groundwater contamination is inadequately characterized in the source area and downgradient B3 Zone.	Add source area and downgradient B3 zone wells to the suite of annual monitoring wells.	Based on further evaluation, existing downgradient well T-9C will be reclassified as a Zone B3 well and continue to be monitored annually. The last 5 years of data from well T-9C suggest that little, if any, contamination is migrating off-site in Zone B3. Source area Zone B3 wells cannot be installed since they could serve as potential VI conduits.
3	Increasing contaminant of concern concentrations in downgradient wells indicates that the remedy is not containing off-site migration.	Investigate and implement optimization options for the in situ bioremediation to decrease downgradient groundwater contamination.	Robust source area investigation and remediation activities were performed at the Site in late 2014, after preparation of the 2014 FYR. Increasing contaminant concentrations in downgradient wells are at least partially attributed to off-site sources (e.g., the Philips site), and further on-site contribution is expected to be greatly diminished as a result of recent source area treatment. Downgradient concentrations are anticipated to decrease accordingly, but additional monitoring is required to evaluate the effects of the source area remediation and assess the need for additional remedial action.

6.0 REFERENCES

AECOM, 2014a. *Well Destruction and Source Removal Work Plan*, Former TRW Microwave Facility, 825 Stewart Drive Sunnyvale, California. September 18.

AECOM, 2014b. *Work Plan for Additional Membrane Interface Probe (MIP) Investigation,* Former TRW Microwave Facility, 825 Stewart Drive, Sunnyvale, California. July 3.

AECOM, 2014c. *Work Plan Addendum for Source Area Removal Activities*, Former TRW Microwave Site, 825 Stewart Drive, Sunnyvale, California. November 12.

AECOM, 2014d. *Work Plan for Additional Source Area Injection Activities*, Former TRW Microwave Site, 825 Stewart Drive, Sunnyvale, California. November 11.

CDM, 1999. Letter to Water Board regarding Interpretation of Groundwater TCE Data in B1 Zone, Former TRW Inc. Microwave Site, Sunnyvale, California. April 26.

CDM, 2000. Letter to Water Board regarding Request – Shutdown of Extraction Wells T-9B and T-2C. May 10.

Orion Environmental, Inc. 2015. Source Area Soil Removal Report, Former TRW Microwave Site, 825 Stewart Drive, Sunnyvale, California. March 20.

United States Army Corps of Engineers (USACE), 2014. *Fourth Five-Year Review Report for Advanced Micro Devices 901/902 & TRW Microwave Superfund Sites*, Includes the "Companies'Offsite Operable Unit," Santa Clara, California. September 30.

United States Environmental Protection Agency (USEPA), 1991. *Record of Decision, Advanced Micro Devices #901/902, Signetics, TRW Microwave, Combined Superfund Sites*, Sunnyvale, California. September 11.

TABLES

Table 3. Membrane Interface Probe (MIP) Readings and Analytical Results

825 Stewart Drive, Sunnyvale, CA

Point ID (Confirmation Boring ID)	Depth (ft bgs)	Approximate MIP Readings (July 2014) ECD Max ($\mu V x 10^6$)	XSD Max ($\mu V x 10^4$)	PID Max ($\mu V x 10^5$)	FID Max ($\mu V x 10^5$)	Soil Analytical Results (micrograms per kilograms) cDCE	VC	CBz	1,2-DCB	1,4-DCB	ethylbenzene	xylenes
MIP-8	11.5	2.8	3.7	0.4	0.6							
	13.6	3.7	3.7	0.5	0.6							
	15.5	2.8	3.7	0.5	0.6							
	17.5	2.3	3.9	0.5	0.8							
	18.5	2	3.9	0.5	1.1							
	19.5	2	4.1	0.6	0.8							
	20.5	2	4.2	0.9	0.8							
	21.5	2	4	0.6	0.6							
	25	2.1	3.8	0.4	0.6							
MIP-9	9.8	1.3	4.1	0.7	0.8	18	38	27	40	<3.2	<3.2	<6.4
(MIP-B)	13	1.5	5.4	1	0.7	2,600	<340	670	880	<340	<340	<680
	17.8	1.7	4.4	1.3	1.6	<360	<360	2,900	<360	<360	<360	<720
	19	1.5	4.2	0.7	2.4	-	-	-	-	-	-	-
	20	1.5	3.8	0.5	3	<3.6	<3.6	50	5.6	<3.6	<3.6	<7.1
	21.5	1.5	3.9	0.3	1.8	-	-	-	-	-	-	-
	25	1.6	3.8	0.3	0.6	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<6.8
MIP-10*	7	1	2	1	3	-	-	-	-	-	-	-
(MIP-C)	10	15	65	20	1.3	25,000/27,000	470/500	1,100/890	29,000/25,000	1,000/840	530/430	1,400/1,100
	12	15	50	40	1.6	22,000	580	1,100	19,000	630	<350	810
	14	15	30	15	1.4	-	-	-	-	-	-	-
	16	15	40	18	1.8	8,300/8,400	440/510	12,000/12,000	5,100/4,400	900/890	450/460	<590/<670
	18	14	12	5	1.5	-	-	-	-	-	-	-
	19	8	4	6	2	-	-	-	-	-	-	-
	20	6	4	5	2.8	<360	<360	11,000	<360	500	<360	<720
	21	8	4	5	1.2	-	-	-	-	-	-	-
	22	4	4	5	1.2	-	-	-	-	-	-	-
	25	1	2	0	0.6	<350	<350	10,000	<350	<350	590	810
MIP-11	5-10	<1.2	<3.3	<0.5	<0.7	<460	<460	<460	490	<460	<460	<460
(MIP-D)	14.5	1.3	4.6	1.7	0.7	Note: Poor recovery from 5-10 ft bgs, exact sample depth unknown.						
	16.5	1.2	5.2	4.5	0.7							
	18.5	1.2	5	3.8	1.1							
	23.5	1.3	3.1	0.4	1							
MIP-12	10	1.1	4	0.6	2.2							
	17	1.2	4.8	1.3	0.6							
MIP-13A	3.5	1.3	2.4	0.5	0.5							
	15	1.4	3.8	0.5	3							
	18	1.5	3	1.4	2.5							
	19	1.5	3.2	1.4	3							
	22	1.5	2	0.5	3.5							
MIP-16A**	5	1.2	3.4	0.4	0.5							
	10	1.4	3.5	0.6	1.5							
	14	1.4	3.8	0.7	1.2							
	16	1.5	3.8	0.6	0.5							
	22	1.6	4	0.3	0.5							

Notes:

* Values for MIP-10 adjusted from graph to same order of magnitude as other points.

** PID value for 16A adjusted from graph to same order of magnitude as other points.

	ECD probe saturated		
<	less than	ECD	electron capture detector
-	not sampled	FID	flame ionization detector
/	denotes replicate sample	ft	feet
µV	microvolt	ID	identification
bgs	below ground surfacce	MIP	membrane interface probe
CBz	chlorobenzene	PID	photo ionizationo detector
cDCE	cis-1,2-dichloroethene	VC	vinyl chloride
DCB	dichlorobenzene	XSD	halogen specific detector

TABLE 4

SOIL ANALYTICAL RESULTS
FORMER TRW MICROWAVE SITE
SUNNYVALE, CALIFORNIA

Soil Boring	Sample Depth (feet)	Sample Date	Volatile Organic Compounds (µg/kg)[a]														
			PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	VC	CBz	1,2-DCB	1,3-DCB	1,4-DCB	1,2,4-TCB	Acetone	Toluene	Ethylbenzene	Xylenes
SB-1	5	9/29/14	0.93 J[b]	3.7 J	ND<4.0[c]	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<40	ND<4.0	ND<4.0	ND<8.0
	8	9/29/14	1.4 J	2.6 J	ND<3.7	1.0 J	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<37	ND<3.7	ND<3.7	ND<7.3
	12	9/29/14	5.6	6.5	ND<3.7	11	ND<3.7	ND<3.7	0.66 J	8.7	ND<3.7	ND<3.7	ND<3.7	ND<37	ND<3.7	ND<3.7	ND<7.3
	15	9/29/14	150 J	460	ND<370	360 J	ND<370	ND<370	ND<370	10,000	58 J	430	2,200	ND<3,700	ND<370	ND<370	ND<750
	20	9/29/14	ND<420	ND<420	ND<420	260 J	ND<420	61 J	ND<420	3,900	ND<420	64 J	ND<420	ND<4,200	ND<420	ND<420	ND<830
	25	9/29/14	ND<360	35 J	ND<360	1,600	ND<360	72 J	ND<360	2,900	ND<360	ND<360	ND<360	ND<3,600	ND<360	ND<360	180 J
SB-2	5	9/30/14	ND<4.7	ND<4.7	ND<4.7	ND<4.8	ND<4.7	ND<4.8	ND<4.8	ND<4.8	ND<4.7	ND<4.7	ND<4.7	ND<47	ND<4.7	ND<4.8	ND<9.6
	9	9/30/14	ND<3.9	1.1 J	ND<3.2	ND<3.9	ND<3.2	ND<3.9	ND<3.9	ND<3.9	ND<3.2	ND<3.9	ND<3.2	ND<32	ND<3.2	ND<3.9	ND<7.7
	13.5	9/30/14	ND<350	ND<350	ND<350	2,000	ND<350	110 J	67 J	260 J	ND<350	ND<350	83 J	ND<3,500	ND<350	ND<350	ND<710
	19	9/30/14	ND<370	ND<370	ND<370	ND<370	ND<370	43 J	350 J	2,800	41 J	240 J	700	ND<3,700	ND<370	ND<370	ND<730
	23	9/30/14	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	19	4.7	ND<3.5	0.56 J	ND<3.5	ND<35	2.0 J	0.63 J	0.95 J
	25	9/30/14	ND<3.5	1.3 J	ND<3.5	1.1 J	ND<3.5	1.5 J	22	4.4	ND<3.5	ND<3.5	ND<3.5	ND<35	ND<3.5	1.7 J	0.85 J
SB-3	5	9/29/14	2.2 J	5.1	ND<3.8	7.5	ND<3.8	ND<3.8	0.87 J	ND<3.8	ND<3.8	ND<3.8	ND<3.8	ND<38	ND<3.8	ND<3.8	ND<7.6
	11	9/29/14	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	52	1.8 J	0.73 J	4.5	ND<3.7	46	1.5 J	2.9 J	3.3 J
	15.5	9/29/14	ND<410	ND<410	ND<410	ND<410	ND<410	ND<410	2,100	ND<410	ND<410	110 J	ND<410	ND<4,100	ND<410	ND<410	ND<830
	20	9/29/14	ND<390	ND<390	ND<390	ND<390	ND<390	ND<390	1,600	ND<390	ND<390	72 J	ND<390	ND<3,900	ND<390	ND<390	ND<790
	24	9/29/14	ND<370	ND<370	ND<370	ND<370	ND<370	ND<370	1,900	ND<370	26 J	110 J	ND<370	ND<3,700	ND<370	97 J	ND<730
SB-4	3	9/30/14	ND<4.5	0.66 J	ND<4.5	3.3 J	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<45	ND<4.5	ND<4.5	ND<9.0
	17	9/30/14	ND<390	ND<390	ND<390	2,700	ND<390	180 J	6,800	15,000	150 J	790	500	ND<3,900	ND<390	1,100	3,900
	20	9/30/14	ND<390	ND<390	ND<390	ND<390	ND<390	ND<390	9,500	120 J	ND<390	270 J	ND<390	ND<3,900	ND<390	1,000	1,100
	22	9/30/14	ND<360	ND<360	ND<360	28 J	ND<360	ND<360	5,300	270 J	ND<360	110 J	ND<360	ND<3,600	ND<360	1,100	860
	23	9/30/14	ND<450	ND<450	ND<450	ND<450	ND<450	ND<450	9,500	790	ND<450	220 J	ND<450	ND<4,500	ND<450	960	770 J
	25	9/30/14	ND<360	ND<360	29 J	9,000	210 J	1,600	120 J	1,800	ND<360	ND<360	ND<360	ND<3,600	ND<360	690	760
SB-5	3	9/30/14	3.8 J	23	ND<4.7	7.6	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<4.7	ND<47	ND<4.7	ND<4.7	ND<9.4
	10	9/30/14	ND<3.7	1.5 J	ND<3.7	ND<3.7	0.76 J	2.8 J	53	31	1.1 J	5	0.58 J	ND<37	ND<3.7	0.70 J	ND<7.4
	13	9/30/14	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	0.98 J	56	10	0.72 J	5.2	0.81 J	ND<37	ND<3.7	ND<3.7	ND<7.5
	15	9/30/14	ND<380	ND<380	ND<380	ND<380	ND<380	ND<380	2,400	620	150 J	990	380	ND<3,800	ND<380	ND<380	ND<750
	20	9/30/14	ND<390	ND<390	ND<390	ND<390	ND<390	ND<390	1,100	50 J	ND<390	59 J	ND<390	ND<3,900	ND<390	ND<390	ND<770
	22	9/30/14	ND<360	ND<360	ND<360	ND<360	ND<360	ND<360	2,200	110 J	ND<360	62 J	ND<360	ND<3,600	ND<360	66 J	ND<720
	25	9/30/14	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	1.9 J	40	10	ND<3.5	ND<3.5	ND<3.5	ND<35	ND<3.5	7.5	3.9 J

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FORMER TRW MICROWAVE SITE
SUNNYVALE, CALIFORNIA

Soil Boring	Sample Depth (feet)	Sample Date	Volatile Organic Compounds (µg/kg)[a]														
			PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	VC	CBz	1,2-DCB	1,3-DCB	1,4-DCB	1,2,4-TCB	Acetone	Toluene	Ethylbenzene	Xylenes
SB-6	4	10/22/14	18.4	43.7	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	2.9 J	ND<4.2	ND<4.2	ND<4.2	11.8	ND<4.2	ND<4.2	ND<8.5
	9	10/22/14	7.6	47.6	ND<4.9	122 J	ND<4.9	2.2 J	1.6 J	7.6	ND<4.9	ND<4.9	ND<4.9	14.7 J	ND<4.9	0.74 J	2.9 J
	13	10/22/14	478	876	ND<4.0	42.6	1.0 J	ND<4.0	ND<4.0	19.5	0.43 J	0.78 J	0.52 J	ND<32	ND<4.0	ND<4.0	ND<8.1
	18	10/22/14	112 J	486	ND<230	511	ND<230	ND<230	ND<230	4,270	26.6 J	218 J	877	ND<1,800	ND<230	ND<230	ND<460
	24	10/22/14	0.60 J	12	3.6 J	1,340	9.7	76.6	ND<4.2	119	ND<4.2	1.0 J	ND<4.2	19.6 J	ND<4.2	3.6 J	2.4 J
	28	10/22/14	ND<400	3,780	ND<400	1,130	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<400	ND<3,200	ND<400	ND<400	ND<790
SB-7	4	10/22/14	5.9	59.7	ND<4.9	11.4	ND<4.9	ND<4.9	1.2 J	8.9	ND<4.9	1.1 J	ND<4.9	24.7 J	ND<4.9	1.2 J	5.8
	6	10/22/14	97.8	404	ND<4.2	49.4	ND<4.2	1.3 J	25.3	137 J	0.70 J	5.5	0.49 J	244	ND<4.2	14.8	57.6
	14	10/22/14	2,270	9,200	ND<820	625 J	ND<820	ND<820	747	6,430	ND<820	217 J	ND<820	ND<6,600	ND<820	441 J	1,660
	19	10/22/14	2,460	8,800	ND<710	552 J	ND<710	ND<710	554 J	5,270	ND<710	181 J	ND<710	ND<5,700	ND<710	366 J	1,380 J
	24	10/22/14	912	4,470	ND<390	318 J	ND<390	ND<390	292 J	1,800	ND<390	62.5 J	ND<390	ND<3,100	ND<390	141 J	529 J
	29	10/22/14	11.1	932	ND<3.7	31.9	ND<3.7	2.8 J	3.1 J	11.7	ND<3.7	ND<3.7	ND<3.7	55.1	ND<3.7	1.3 J	4.9 J
SB-8	5	10/23/14	394	1,750	ND<220	98.8 J	ND<220	ND<220	102 J	803	ND<220	24.6 J	ND<220	ND<1,800	ND<220	64.6 J	232 J
	10	10/23/14	44.4 J	382	ND<140	2,160	ND<140	33.0 J	106 J	439	ND<140	19.3 J	ND<140	ND<1,100	ND<140	27.7 J	66.6 J
	15	10/23/14	0.98 J	14.8	ND<4.9	6.8	ND<4.9	1.0 J	1,810	14.6	4.2 J	23.1	ND<4.9	10.7 J	1.8 J	30.3	28.4
	20	10/23/14	ND<460	ND<460	ND<460	ND<460	ND<460	ND<460	4,640	74.8 J	ND<460	346 J	ND<460	ND<3,700	ND<460	ND<460	ND<920
	25	10/23/14	ND<210	22.8 J	ND<210	ND<210	ND<210	ND<210	1,480	155 J	ND<210	30.8 J	ND<210	ND<1,600	ND<210	ND<210	50.9 J
	30	10/23/14	ND<140	162	ND<140	237	ND<140	ND<140	107 J	249	ND<140	ND<140	ND<140	ND<1,100	ND<140	ND<140	ND<270
	35	10/23/14	ND<230	33.9 J	ND<230	542	ND<230	58.5 J	ND<230	ND<230	ND<230	ND<230	ND<230	ND<1,800	ND<230	ND<230	ND<450
SB-9	5	10/23/14	84.6 J	899	ND<150	ND<150	ND<150	ND<150	ND<150	173	ND<150	ND<150	ND<150	ND<1,200	ND<150	ND<150	35.2 J
	10	10/23/14	302 J	6,320	ND<760	816	ND<760	ND<760	92.5 J	801	ND<760	ND<760	ND<760	ND<6,100	ND<760	ND<760	152 J
	15	10/23/14	288	2,730	ND<270	325	ND<270	ND<270	765	766	ND<270	79.6 J	ND<270	ND<2,100	ND<270	112 J	303 J
	20	10/23/14	ND<590	ND<590	ND<590	ND<590	ND<590	ND<590	6,080	116 J	ND<590	229 J	ND<590	ND<4,700	ND<590	106 J	ND<1,200
	25	10/23/14	ND<220	ND<220	ND<220	ND<220	ND<220	ND<220	2,310	94.4 J	ND<220	56.6 J	ND<220	ND<1,800	ND<220	39.1 J	ND<440
	30	10/23/14	ND<200	36.2 J	ND<200	ND<200	ND<200	ND<200	531	563	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<390

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SUNNYVALE, CALIFORNIA

Soil Boring	Sample Depth (feet)	Sample Date	Volatile Organic Compounds (µg/kg)[a]														
			PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	VC	CBz	1,2-DCB	1,3-DCB	1,4-DCB	1,2,4-TCB	Acetone	Toluene	Ethylbenzene	Xylenes
SB-10	5	10/23/14	1.6 J	10.5	ND<4.9	9.3	ND<4.9	ND<4.9	3.8 J	6	ND<4.9	ND<4.9	ND<4.9	ND<39	ND<4.9	ND<4.9	ND<9.8
	10	10/23/14	1.5 J	9.7	ND<4.9	11.4	0.89 J	3.9 J	4.8 J	23.1	ND<4.9	0.98 J	0.52 J	17.8 J	ND<4.9	ND<4.9	ND<9.8
	15	10/23/14	36.5 J	152 J	ND<220	112 J	ND<220	ND<220	43.9 J	351	ND<220	37.7 J	205 J	ND<1,800	ND<220	ND<220	ND<450
	20	10/23/14	ND<800	ND<800	ND<800	ND<800	ND<800	ND<800	109 J	7,380	ND<800	232 J	352 J	ND<6,400	ND<800	ND<800	ND<1,600
	25	10/23/14	ND<5	4.9 J	ND<5	ND<5	ND<5	2.5 J	10.2	16.1	ND<5	ND<5	ND<5	10.3 J	ND<5	0.55 J	2.1 J
	30	10/23/14	ND<170	25.7 J	ND<170	331	ND<170	ND<170	ND<170	ND<170	ND<170	ND<170	ND<170	ND<1,400	ND<170	ND<170	ND<350
SB-11	10	10/29/14	ND<27	ND<22	ND<22	ND<49	ND<22	ND<44	432	ND<22	ND<22	66.8 J	ND<22	ND<440	ND<22	ND<22	ND<44
	15	10/29/14	ND<25	ND<21	ND<21	ND<46	ND<21	ND<42	2,470	57.7 J	57.3 J	278	29.1 J	ND<420	ND<21	110 J	128 J
	20	10/29/14	ND<39	ND<33	ND<33	ND<72	ND<33	ND<66	4,260	436	ND<33	120 J	ND<33	ND<660	ND<33	38.0 J	ND<66
	25	10/29/14	ND<24	ND<20	ND<20	ND<44	ND<20	ND<40	31.4 J	358	ND<20	ND<20	ND<20	ND<400	ND<20	ND<20	ND<40
	30	10/29/14	ND<24	ND<20	ND<20	ND<43	ND<20	ND<39	145 J	935	ND<20	ND<20	ND<20	ND<390	ND<20	ND<20	79.2 J
SB-12	10	10/29/14	88.7 J	265 J	ND<28	2,680	ND<28	ND<57	380	1,530	ND<28	73.1 J	ND<28	ND<570	ND<28	85.2 J	205 J
SB-13	5	10/29/14	ND<0.75	1.3 J	ND<0.62	ND<1.4	ND<0.62	ND<1.2	ND<0.62	ND<0.62	ND<0.62	ND<0.62	ND<0.62	33.4 J	ND<0.62	ND<0.62	ND<1.2
	10	10/29/14	ND<0.48	0.78 J	ND<0.4	10.1	ND<0.4	53.7	24.5	39.5	0.56 J	2.0 J	0.62 J	10.9 J	ND<0.4	ND<0.4	1.2 J
	15	10/29/14	ND<26	ND<22	ND<22	250	ND<22	76.6 J	261	2,210	32.8 J	153 J	181 J	ND<430	ND<22	ND<22	ND<43
	20	10/29/14	ND<24	ND<20	ND<20	ND<44	ND<20	ND<40	456	ND<20	ND<20	30.7 J	ND<20	ND<400	ND<20	ND<20	ND<40
	25	10/29/14	ND<0.44	0.53 J	ND<0.37	ND<0.81	ND<0.37	1.3 J	3.5 J	6.8	ND<0.37	ND<0.37	ND<0.37	24.8 J	ND<0.37	1.6 J	0.93 J
	30	10/29/14	ND<23	ND<19	ND<19	238	ND<19	ND<38	ND<19	337	ND<19	ND<19	ND<19	ND<380	ND<19	ND<19	ND<38
SB-14	5	10/29/14	1.3 J	7.3	ND<0.43	1.6 J	ND<0.43	ND<0.86	ND<0.43	ND<0.43	ND<0.43	0.43 J	ND<0.43	ND<8.6	ND<0.43	ND<0.43	ND<0.86
	10	10/29/14	9.5	45.9	ND<0.37	67.2	0.54 J	5.5	ND<0.37	4.2	ND<0.37	0.83 J	0.39 J	ND<7.5	ND<0.37	ND<0.37	ND<0.75
	15	10/29/14	2,330	3,130	ND<25	131 J	ND<25	ND<51	ND<25	1,290	ND<25	107 J	28.6 J	ND<510	ND<25	ND<25	ND<51
	20	10/29/14	37.8 J	249	ND<19	59.6 J	ND<19	ND<38	ND<19	481	ND<19	22.0 J	132 J	ND<380	ND<19	ND<19	ND<38
	25	10/29/14	1.7 J	0.89 J	ND<0.43	ND<0.95	ND<0.43	1.7 J	ND<0.43	6.7	ND<0.43	ND<0.43	ND<0.43	13.0 J	ND<0.43	1.6 J	0.92 J
	30	10/29/14	ND<28	1,480	ND<23	252	ND<23	ND<46	ND<23	32.8 J	ND<23	ND<23	ND<23	ND<460	ND<23	ND<23	ND<46
SB-15	5	10/29/14	1.4 J	8.9	ND<0.41	1.3 J	ND<0.41	ND<0.83	ND<0.41	ND<0.41	ND<0.41	ND<0.41	ND<0.41	ND<8.3	ND<0.41	ND<0.41	ND<0.83
	10	10/29/14	5.1	80.8	ND<0.5	39.3	ND<0.5	2.5 J	ND<0.5	1.5 J	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<0.5	ND<1.0
	15	10/29/14	1,750	2,610	ND<20	133 J	ND<20	ND<39	ND<20	1,120	ND<20	68.6 J	261	ND<390	ND<20	ND<20	ND<39
	20	10/29/14	145 J	510	ND<20	137 J	ND<20	ND<39	ND<20	338	ND<20	36.8 J	146 J	ND<390	ND<20	ND<20	ND<39
	25	10/29/14	ND<0.44	0.56 J	ND<0.37	ND<0.81	ND<0.37	2.0 J	ND<0.37	ND<0.37	ND<0.37	ND<0.37	ND<0.37	23.6 J	ND<0.37	ND<0.37	ND<0.74
	30	10/29/14	ND<22	1,750	ND<18	406	ND<18	ND<37	ND<18	ND<18	ND<18	ND<18	ND<18	ND<370	ND<18	ND<18	ND<37

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Soil Boring	Sample Depth (feet)	Sample Date	Volatile Organic Compounds (µg/kg)[a]														
			PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	VC	CBz	1,2-DCB	1,3-DCB	1,4-DCB	1,2,4-TCB	Acetone	Toluene	Ethylbenzene	Xylenes
SB-16	5	10/29/14	1.9 J	7.2	ND<0.46	ND<1.0	ND<0.46	ND<0.91	ND<0.46	ND<0.46	ND<0.46	ND<0.46	ND<0.46	ND<9.1	ND<0.46	ND<0.46	ND<0.91
	10	10/29/14	2.8 J	52.2	ND<0.44	29.1	ND<0.44	1.5 J	ND<0.44	ND<0.44	ND<0.44	ND<0.44	ND<0.44	ND<8.8	ND<0.44	ND<0.44	ND<0.88
	15	10/29/14	801	1,900	ND<20	114 J	ND<20	ND<40	ND<20	721	ND<20	39.6 J	58.0 J	ND<400	ND<20	ND<20	ND<40
	20	10/29/14	34.7 J	382	ND<21	ND<45	ND<21	ND<41	ND<21	290	ND<21	25.6 J	234	ND<410	ND<21	ND<21	ND<41
	25	10/29/14	ND<0.5	0.96 J	ND<0.41	ND<0.91	ND<0.41	ND<0.83	ND<0.41	ND<0.41	ND<0.41	ND<0.41	ND<0.41	24.5 J	ND<0.41	ND<0.41	ND<0.83
	30	10/29/14	ND<28	1,700	ND<24	265	ND<24	ND<47	ND<24	ND<24	ND<24	ND<24	ND<24	ND<470	ND<24	ND<24	ND<47
SB-17	10	10/30/14	1.0	17.5	ND<4	16.6	ND<4	2.5	ND<4	0.68	ND<4	ND<4	ND<4	ND<32	ND<4	ND<4	ND<8
	15	10/30/14	174	497	ND<220	85.4	ND<220	ND<220	ND<220	311	ND<220	ND<220	ND<220	ND<1,700	ND<220	ND<220	ND<430
	20	10/30/14	34.0	486	ND<200	ND<200	ND<200	ND<200	ND<200	106	ND<200	ND<200	104	ND<1,600	ND<200	ND<200	ND<400
	25	10/30/14	ND<210	94.2	ND<210	442	ND<210	44.5	ND<210	ND<210	ND<210	ND<210	ND<210	ND<1,700	ND<210	ND<210	ND<420
	30	10/30/14	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	18.9	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	13.8	ND<4.1	ND<4.1	ND<8.2
SB-18	10	10/30/14	1.2	16.1	ND<3.9	25.5	ND<3.9	3.3	ND<3.9	ND<3.9	ND<3.9	ND<3.9	ND<3.9	ND<31	ND<3.9	ND<3.9	ND<7.8
	15	10/30/14	186	555	ND<210	208	ND<210	ND<210	ND<210	542	ND<210	27.4	48.7	ND<1,700	ND<210	ND<210	ND<430
	20	10/30/14	52.4	557	ND<220	54.9	ND<220	ND<220	ND<220	178	ND<220	ND<220	111	ND<1,800	ND<220	ND<220	ND<440
	25	10/30/14	ND<200	65.9	ND<200	1,330	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<410
	30	10/30/14	ND<200	383	ND<200	321	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<410
SB-19	5	10/30/14	1.1	4.2	ND<4.1	13.8	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<33	ND<4.1	ND<4.1	ND<8.1
	10	10/30/14	ND<200	ND<200	ND<200	62.2	ND<200	ND<200	58.2	223	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<400
	15	10/30/14	ND<200	ND<200	ND<200	73.8	ND<200	69.4	ND<200	2,080	ND<200	63.3	ND<200	ND<1,600	ND<200	ND<200	ND<390
	25	10/30/14	ND<200	28.3	ND<200	1,970	28.1	247	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<390
	30	10/30/14	130	51.2	ND<210	359	ND<210	ND<210	ND<210	580	ND<210	22.9	ND<210	ND<1,700	ND<210	ND<210	ND<420
SB-20	5	10/30/14	ND<4.5	2.7	ND<4.5	12	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<4.5	ND<36	ND<4.5	ND<4.5	ND<9
	10	10/30/14	ND<210	ND<210	ND<210	ND<210	ND<210	ND<210	178	254	ND<210	28.2	ND<210	ND<1,700	ND<210	ND<210	ND<420
	15	10/30/14	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	2,250	120	37.8	177	30.3	ND<1,600	ND<200	38.8	ND<390
	20	10/30/14	ND<210	ND<210	ND<210	ND<210	ND<210	91	30	827	ND<210	ND<210	ND<210	ND<1,700	ND<210	ND<210	ND<430
	25	10/30/14	ND<200	ND<200	ND<200	677	ND<200	134	156	238	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<410

TABLE 4

SOIL ANALYTICAL RESULTS
FORMER TRW MICROWAVE SITE
SUNNYVALE, CALIFORNIA

Soil Boring	Sample Depth (feet)	Sample Date	Volatile Organic Compounds (µg/kg)[a]														
			PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	VC	CBz	1,2-DCB	1,3-DCB	1,4-DCB	1,2,4-TCB	Acetone	Toluene	Ethylbenzene	Xylenes
SB-21	10	10/30/14	ND<22	ND<18	ND<18	69.8 J	ND<18	ND<36	286	287	ND<18	44.2 J	ND<18	ND<360	ND<18	37.9 J	62.2 J
	15	10/30/14	52.6 J	501	ND<24	1,190	ND<24	ND<48	918	1,480	ND<24	111 J	ND<24	ND<480	ND<24	190 J	258 J
	20	10/30/14	ND<25	ND<21	ND<21	ND<46	ND<21	ND<42	1,640	153 J	31.0 J	200 J	ND<21	ND<420	ND<21	163 J	182 J
	25	10/30/14	ND<24	ND<20	ND<20	ND<45	ND<20	ND<41	924	158 J	ND<20	71.0 J	ND<20	ND<410	ND<20	ND<20	ND<41
	30	10/30/14	ND<24	ND<20	ND<20	ND<43	ND<20	ND<39	390	115 J	ND<20	ND<20	ND<20	ND<390	ND<20	24.0 J	48.6 J
SB-22	5	11/5/14	ND<5.2	0.60 J	ND<5.2	ND<5.2	ND<5.2	ND<5.2	ND<5.2	ND<5.2	ND<5.2	0.78 J	ND<5.2	10.1 J	ND<5.2	ND<5.2	ND<10
	10	11/5/14	2.0 J	34.2	ND<4	15	ND<4	ND<4	ND<4	ND<4	ND<4	9.3 J	ND<4	ND<4	ND<4	ND<4	ND<8.1
	15	11/5/14	189 J	1,310	ND<210	92.9 J	ND<210	ND<210	ND<210	325	ND<210	26.8 J	ND<210	ND<1,700	ND<210	ND<210	ND<430
	20	11/5/14	82.6 J	745	ND<230	ND<230	ND<230	ND<230	ND<230	560	ND<230	33.4 J	270	ND<1,800	ND<230	ND<230	ND<460
	30	11/5/14	ND<200	273	ND<200	321	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<400
	35	11/5/14	ND<190	ND<190	ND<190	389	ND<190	ND<190	ND<190	ND<190	ND<190	ND<190	ND<190	ND<1,600	ND<190	ND<190	ND<390
	40	11/5/14	ND<200	644	ND<200	146 J	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<410
SB-23	5	11/5/14	1.4 J	6.0	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<34	ND<4.3	ND<4.3	ND<4.3
	10	11/5/14	1.8 J	35.8	ND<3.9	17.4	ND<3.9	1.1 J	ND<3.9	ND<3.9	ND<3.9	ND<3.9	ND<3.9	ND<31	ND<3.9	ND<3.9	ND<7.8
	15	11/5/14	10.4	118	ND<4.2	23.5	0.66 J	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<4.2	ND<33	ND<4.2	ND<4.2	ND<8.3
	20	11/5/14	4.0	57.7	ND<3.7	18.7	0.48 J	ND<3.7	ND<3.7	0.86 J	ND<3.7	ND<3.7	ND<3.7	ND<30	ND<3.7	ND<3.7	ND<7.5
	25	11/5/14	ND<190	712	ND<190	174 J	ND<190	ND<190	ND<190	ND<190	ND<190	ND<190	ND<190	ND<1,500	ND<190	ND<190	ND<380
	30	11/5/14	ND<230	402	ND<230	765	ND<230	ND<230	ND<230	ND<230	ND<230	ND<230	ND<230	ND<1,800	ND<230	ND<230	ND<460
	35	11/5/14	ND<180	ND<180	ND<180	577	ND<180	ND<180	ND<180	ND<180	ND<180	ND<180	ND<180	ND<1,400	ND<180	ND<180	ND<360
	40	11/5/14	3.2 J	183 J	ND<4.3	11.3	ND<4.3	14.6	ND<4.3	0.75 J	ND<4.3	ND<4.3	ND<4.3	ND<34	ND<4.3	ND<4.3	ND<8.6
SB-24	5	11/6/14	3.1 J	10.3	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<4.4	0.45 J	ND<4.4	27.7 J	ND<4.4	ND<4.4	ND<8.7
	10	11/6/14	2.2 J	38.9	ND<4.3	10.8	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	ND<4.3	22.9 J	0.43 J	ND<4.3	ND<8.5
	15	11/6/14	234	907	ND<220	58.7 J	ND<220	ND<220	ND<220	45.2 J	ND<220	ND<220	ND<220	ND<1,800	ND<220	ND<220	ND<440
	20	11/6/14	44.0 J	647	ND<220	ND<220	ND<220	ND<220	ND<220	173	ND<220	ND<220	60.3 J	ND<1,800	ND<220	ND<220	ND<440
	25	11/6/14	ND<220	980	ND<220	182 J	ND<220	ND<220	ND<220	ND<220	ND<220	ND<220	ND<220	ND<1,800	ND<220	ND<220	ND<450
	30	11/6/14	ND<200	325	ND<200	491	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<400
	35	11/6/14	ND<3.7	21.4	1.1 J	220	0.52 J	19.5	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<30	ND<3.7	ND<3.7	ND<7.4
	40	11/6/14	1.2 J	115	ND<4	8.7	ND<4	18.7	ND<4	ND<4	ND<4	ND<4	ND<4	ND<32	ND<4	ND<4	ND<8.1

TABLE 4

SOIL ANALYTICAL RESULTS
FORMER TRW MICROWAVE SITE
SUNNYVALE, CALIFORNIA

Soil Boring	Sample Depth (feet)	Sample Date	Volatile Organic Compounds (µg/kg)[a]														
			PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	VC	CBz	1,2-DCB	1,3-DCB	1,4-DCB	1,2,4-TCB	Acetone	Toluene	Ethylbenzene	Xylenes
SB-25	5	11/6/14	1.7 J	8.1	ND<3.8	ND<3.8	ND<3.8	ND<3.8	ND<3.8	ND<3.8	ND<3.8	ND<3.8	ND<3.8	11.2 J	ND<3.8	ND<3.8	ND<7.6
	10	11/6/14	6.4	94.6	ND<4.1	22.0	0.42 J	1.7 J	ND<4.1	1.3 J	ND<4.1	ND<4.1	ND<4.1	9.3 J	ND<4.1	ND<4.1	0.84 J
	15	11/6/14	1,220	3,010	ND<210	127 J	ND<210	ND<210	ND<210	207 J	ND<210	ND<210	ND<210	ND<1,700	ND<210	ND<210	ND<420
	20	11/6/14	29.8 J	360	ND<180	88.3 J	ND<180	ND<180	ND<180	297	ND<180	ND<180	118 J	ND<1,400	ND<180	ND<180	ND<360
	25	11/6/14	ND<200	755	ND<200	1,480	20.4 J	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<410
	30	11/6/14	ND<4	286	0.94 J	114	0.81 J	14.2	ND<4	ND<4	ND<4	ND<4	ND<4	8.8 J	ND<4	ND<4	ND<7.9
	35	11/6/14	ND<220	ND<220	ND<220	503	ND<220	73.6 J	ND<220	ND<220	ND<220	ND<220	ND<220	ND<1,700	ND<220	ND<220	ND<440
	40	11/6/14	ND<4.1	103	ND<4.1	30	ND<4.1	76.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<33	ND<4.1	ND<4.1	ND<8.2
SB-26	5	11/6/14	2.0 J	4.0 J	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	ND<4.1	9.7 J	ND<4.1	ND<4.1	ND<8.2
	10	11/6/14	ND<3.7	0.97 J	ND<3.7	20.7	0.40 J	13.8	0.62 J	1.2 J	ND<3.7	ND<3.7	ND<3.7	20.3 J	ND<3.7	ND<3.7	ND<7.5
	15	11/6/14	41.2 J	380	ND<200	136 J	ND<200	ND<200	ND<200	350	ND<200	34.7 J	27.8 J	ND<1,600	ND<200	ND<200	ND<400
	20	11/6/14	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	85.4 J	725	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<410
	25	11/6/14	ND<200	64.9 J	ND<200	408	43.9 J	87.8 J	ND<200	57.6 J	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<390
	30	11/6/14	ND<4.4	97.6 J	1.7 J	301	5.1	9.3	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<4.4	ND<8.7
	35	11/6/14	ND<4.6	ND<4.6	ND<4.6	ND<4.6	ND<4.6	ND<4.6	ND<4.6	ND<4.6	ND<4.6	ND<4.6	ND<4.6	41.5	ND<4.6	ND<4.6	ND<9.1
	40	11/6/14	9.5	ND<3.9	0.47 J	233	1.0 J	51.7	ND<3.9	ND<3.9	ND<3.9	ND<3.9	ND<3.9	19.9 J	ND<3.9	ND<3.9	ND<7.8
SB-27	25	11/6/14	ND<350	ND<350	ND<350	ND<350	ND<350	ND<350	4,340	2 120 J	ND<350	124 J	ND<350	ND<2,800	ND<350	177 J	211 J
	28	11/6/14	139 J	533	ND<180	637	ND<180	ND<180	499	1,440	ND<180	45.2 J	ND<180	ND<1,400	ND<180	202	192 J
	35	11/6/14	93.6 J	1,130	ND<170	510	ND<170	ND<170	27.1 J	601	ND<170	ND<170	ND<170	ND<1,400	ND<170	29.1 J	89.3 J
	40	11/6/14	ND<200	132 J	ND<200	294	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,600	ND<200	ND<200	ND<390
SB-28	35	11/6/14	ND<3.9	57.9	1.3 J	246	1.4 J	71.4	ND<3.9	ND<3.9	ND<3.9	0.40 J	ND<3.9	17.0 J	ND<3.9	ND<3.9	ND<7.8
	40	11/6/14	ND<160	811	ND<160	713	ND<160	33.9 J	ND<160	40.4 J	ND<160	ND<160	31.4 J	ND<1,300	ND<160	ND<160	ND<330
Previous Borings																	
MIP-A	10	7/11/13	ND<3.5	3.1 J	ND<3.5	1.4 J	ND<3.5	3.6	14	4.0	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	ND<3.5	NC<3.5
	18	7/11/13	ND<180	ND<180	ND<180	ND<180	ND<180	ND<180	3,900	160 J	ND<180	89 J	ND<180	ND<180	ND<180	ND<180	ND<180
	18-REP	7/11/13	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	4,500	140 J	ND<200	110 J	ND<200	ND<200	ND<200	ND<200	ND<200
	21	7/11/13	ND<190	ND<190	ND<190	ND<190	ND<190	ND<190	1,800	90 J	ND<190	220	ND<190	ND<190	ND<190	ND<190	ND<190
	28	7/11/13	ND<200	2,200	ND<200	860	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200
	35	7/11/13	ND<3.7	8.0	0.47 J	58	ND<3.7	34	ND<3.7	ND<3.7	ND<3.7	ND<3.7	ND<3.7	37	ND<3.7	ND<3.7	ND<3.7

TABLE 4

SOIL ANALYTICAL RESULTS
FORMER TRW MICROWAVE SITE
SUNNYVALE, CALIFORNIA

Soil Boring	Sample Depth (feet)	Sample Date	Volatile Organic Compounds (µg/kg)[a]														
			PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	VC	CBz	1,2-DCB	1,3-DCB	1,4-DCB	1,2,4-TCB	Acetone	Toluene	Ethylbenzene	Xylenes
MIP-B	9.8	7/11/14	ND<3.2	ND<3.2	ND<3.2	18	ND<3.2	38	27	40	ND<3.2	ND<3.2	ND<3.2	ND<32	ND<3.2	ND<3.2	ND<6.4
	13	7/11/14	ND<340	ND<340	ND<340	2,600	ND<340	ND<340	670	880	ND<340	ND<340	ND<340	ND<3,400	ND<340	ND<340	ND<680
	17.8	7/11/14	ND<360	ND<360	ND<360	ND<360	ND<360	ND<360	2,900	<360	ND<360	ND<360	ND<360	ND<3,600	ND<360	ND<360	ND<720
	20	7/11/14	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	ND<3.6	50	5.6	ND<3.6	ND<3.6	ND<3.6	ND<36	ND<3.6	ND<3.6	ND<7.1
	25	7/11/14	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<3.4	ND<34	ND<3.4	ND<3.4	ND<6.8
MIP-C	10	711/14	ND<370	ND<370	ND<370	25,000	ND<370	470	1,100	29,000	ND<370	1,000	ND<370	ND<3,700	ND<370	530	1,400
	10-REP	7/11/14	ND<370	ND<370	ND<370	27,000	ND<370	500	890	25,000	ND<370	840	ND<370	ND<3,700	ND<370	430	1,100
	12	7/11/14	ND<350	ND<350	ND<350	22,000	ND<350	580	1,100	19,000	ND<350	630	ND<350	ND<3,500	ND<350	ND<350	810
	16	7/11/14	ND<300	ND<300	ND<300	8,300	ND<300	440	12,000	5,100	ND<300	900	ND<300	ND<3,000	ND<300	450	ND<590
	16-REP	7/11/14	ND<330	ND<330	ND<330	8,400	ND<330	510	12,000	4,400	ND<330	890	ND<330	ND<3,300	ND<330	460	ND<670
	20	7/11/14	ND<360	ND<360	ND<360	ND<360	ND<360	ND<360	11,000	ND<360	ND<360	500	ND<360	ND<3.,600	ND<360	ND<360	ND<720
	25	7/11/14	ND<350	ND<350	ND<350	ND<350	ND<350	ND<350	10,000	ND<350	ND<350	ND<350	ND<350	ND<3,500	ND<350	590	810
MIP-D	5 to 10	7/11/14	ND<460	ND<460	ND<460	ND<460	ND<460	ND<460	ND<460	490	ND<460	ND<460	ND<460	ND<4,600	ND<460	ND<460	ND<460

(a) Volatile organic compounds (VOCs) tested using SW846 8260B and reported in micrograms per kilogram (µg/kg).
Compounds abbreviated in the table are identified as follows:

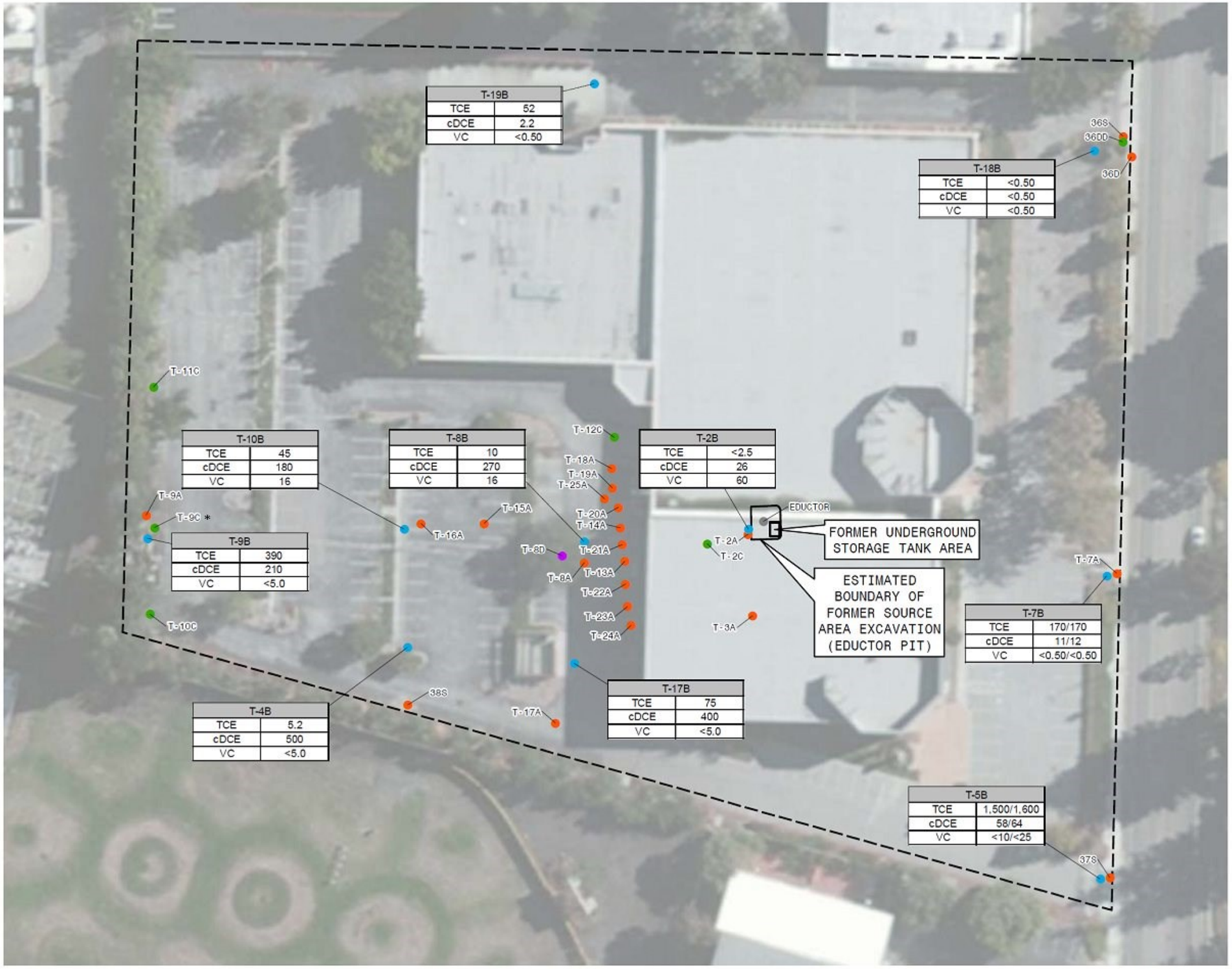
PCE = Tetrachloroethene
TCE = Trichloroethene
1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
VC = Vinyl Chloride
CBz = Chlorobenzene
1,2-DCB = 1,2-Dichlorobenzene
1,3-DCB = 1,3-Dichlorobenzene
1,4-DCB = 1,4-Dichlorobenzene
1,2,4-TCB = 1,2,4-Trichlorobenzene

Only VOCs detected in at least one sample are shown; see laboratory report for complete analytical results.

(b) J - J-flag results are less than the reporting limit but greater than or equal to the method detection limit; the concentration is an approximate value.

(c) ND - Not detected at reporting limit.

FIGURES



LEGEND

- A-ZONE MONITORING WELL
- B1-ZONE MONITORING WELL
- B2-ZONE MONITORING WELL
- B4-ZONE MONITORING WELL
- EDUCTOR
- PROPERTY BOUNDARY

ABBREVIATIONS

/	DENOTES DUPLICATE SAMPLE
<	NOT DETECTED AT OR ABOVE THE DETECTION LIMIT SHOWN
cDCE	cis-1,2-DICHLOROETHENE
	ANALYSIS RESULTS
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE

WELL	
ANALYTE	CONCENTRATION IN MICROGRAMS PER LITER

* FORMERLY DESIGNATED ZONE B-2 AND REVISED TO ZONE B-3

N

0 25 50 Feet

1" = 50'

Former TRW Microwave Site

Site Layout and Zone B1

Analytical Results (October 2014)

Date 03-2015

Project No. 60238860

NORTHROP GRUMMAN

Figure 1

File: W:\work\60238860_NG\GIS\Projects\Zone_B1_Results_Oct2014.mxd
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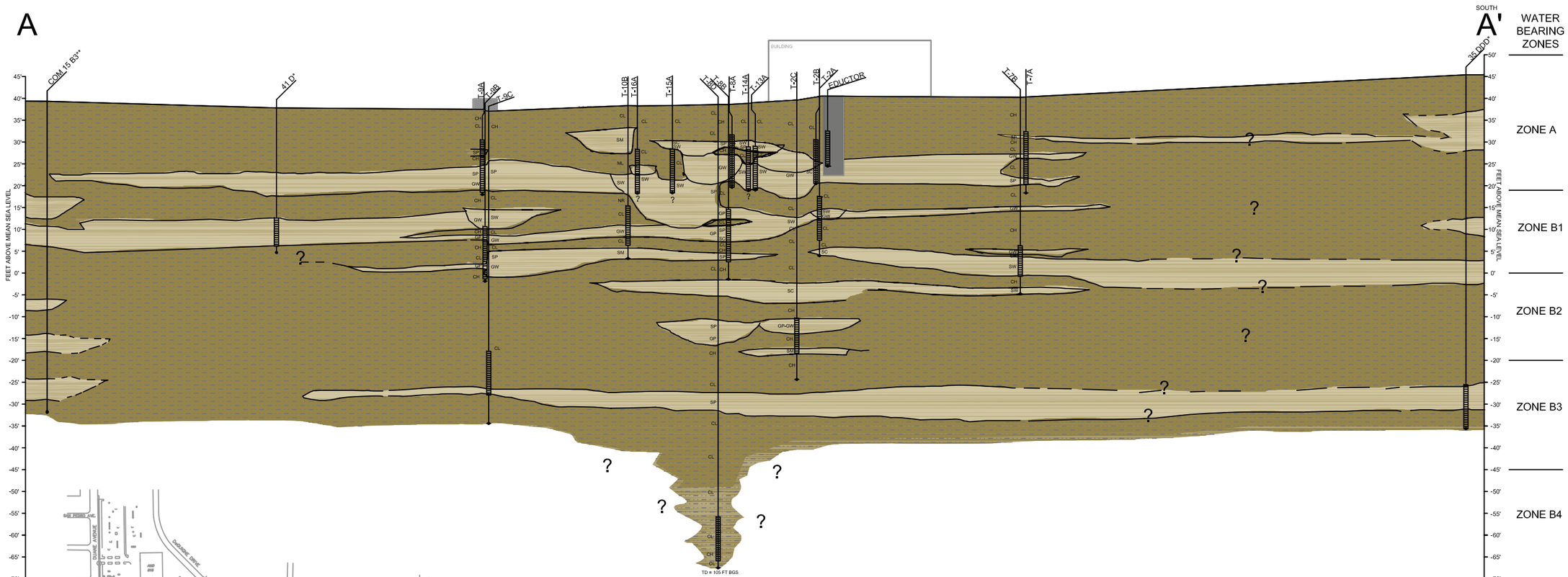
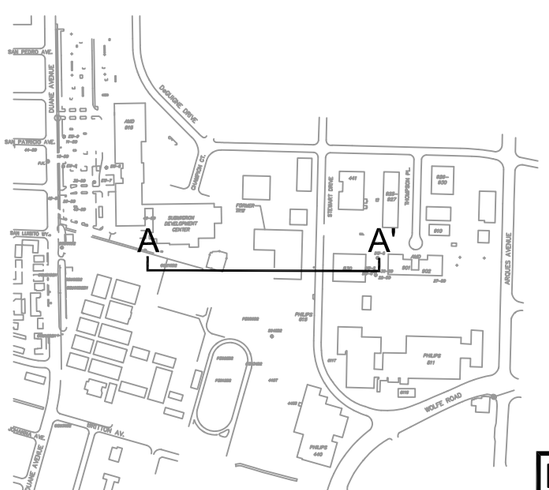




* GEOLOGIC WELL SCREEN INFORMATION INFERRED FROM CROSS SECTION B-B' IN THE HYDRAULIC CONTAINMENT AT 825 STEWART DRIVE (WEISS ASSOCIATES, 1988).

** GEOLOGIC INFORMATION BASED ON INFORMATION AVAILABLE ON GEOTRACKER WEBSITE.

LEGEND

FINE-GRAINED SOILS

COARSE-GRAINED SOILS

CL/CH	CLAYS
ML	SILTS
SM	SILTY SANDS
SC	CLAYEY SANDS
SP/SW	SANDS
GP/GW	GRAVELS
NR	NO RETURN

GROUND SURFACE

BORING / WELL CASING

GROUNDWATER WELL SCREEN INTERVAL

TERMINATION OF BORING

Scale in Feet
HORZ : VERT
0 10 20
0 50 100

REVISIONS			
NO.:	DESCRIPTION:	DATE:	BY:

DESIGNED BY:
DRAWN BY: MB
CHECKED BY: RC
APPROVED BY: RM

AECOM

AECOM TECHNICAL SERVICES, INC.
999 W. TOWN & COUNTRY ROAD
ORANGE, CALIFORNIA 92868
PHONE: (714 689-2400
FAX: (714 689-7351
WEB: HTTP://WWW.AECOM.COM

GEOLOGIC CROSS-SECTION A - A'

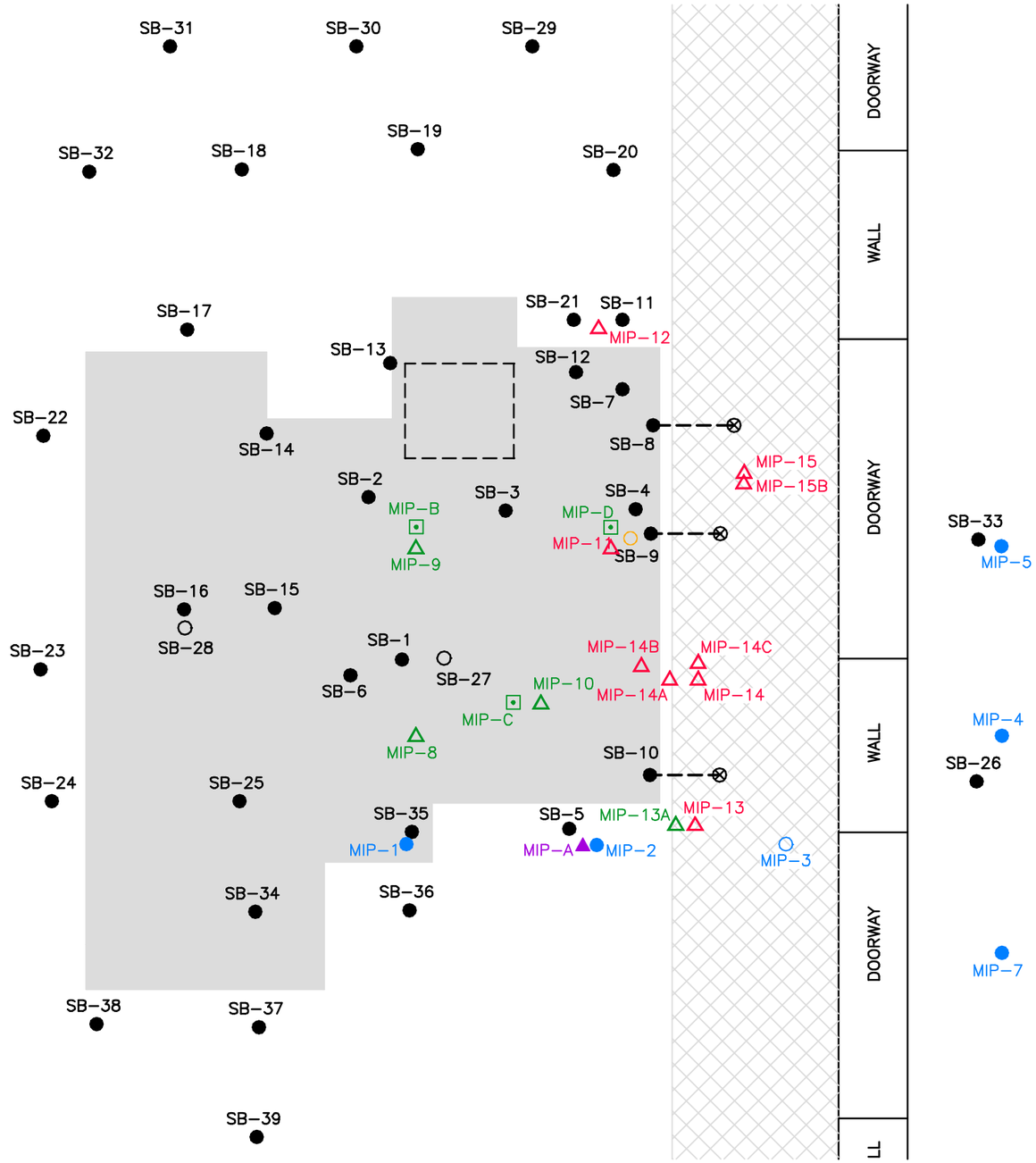
CONCEPTUAL SITE MODEL
FORMER TRW MICROWAVE
SUNNYVALE, CALIFORNIA

SCALE:
DATE: 03/2015
PROJECT NUMBER: 60238860

FIGURE NUMBER: 2

SHEET NUMBER: 1 of 1

P:\60238860 - NGC Microwave #2\7.0 Deliverables\7.2 CADD\60238860_NGC_TRW Microwave_Geo X-Sect_20150325.dwg



LEGEND:

SB-1 ●	SOIL BORING
SB-27 ○	SOIL BORING WITH GRAB GROUNDWATER SAMPLE
SB-8 ●- - - -⊗	SOIL BORING DRILLED AT 10° TOWARD EAST
MIP-9 △	MIP LOCATIONS (JULY 2014)
MIP-B ⊡	CONFIRMATION BOREHOLE LOCATION (JULY 2014)
MIP-13 △	ATTEMPTED MIP LOCATION (JULY 2014)
MIP-1 ●	MIP LOCATIONS (JULY 2013)
MIP-3 ○	ATTEMPTED MIP LOCATION (CONCRETE MORE THAN 30 INCHES THICK) (JULY 2013)
MIP-A ▲	CONTINUOUS CORE AND SOIL SAMPLING LOCATION (JULY 2013)
MIP	MEMBRANE INTERFACE PROBE
- - - - -	T-2A/B WELL VAULT
	ASSUMED FOOTING
	SOIL EXCAVATION
○	APPROXIMATE LOCATION OF EDUCTOR

N

SCALE

0 5 10

FEET

NORTHROP GRUMMAN

Northrop Grumman Systems Corporation

FORMER TRW MICROWAVE SITE

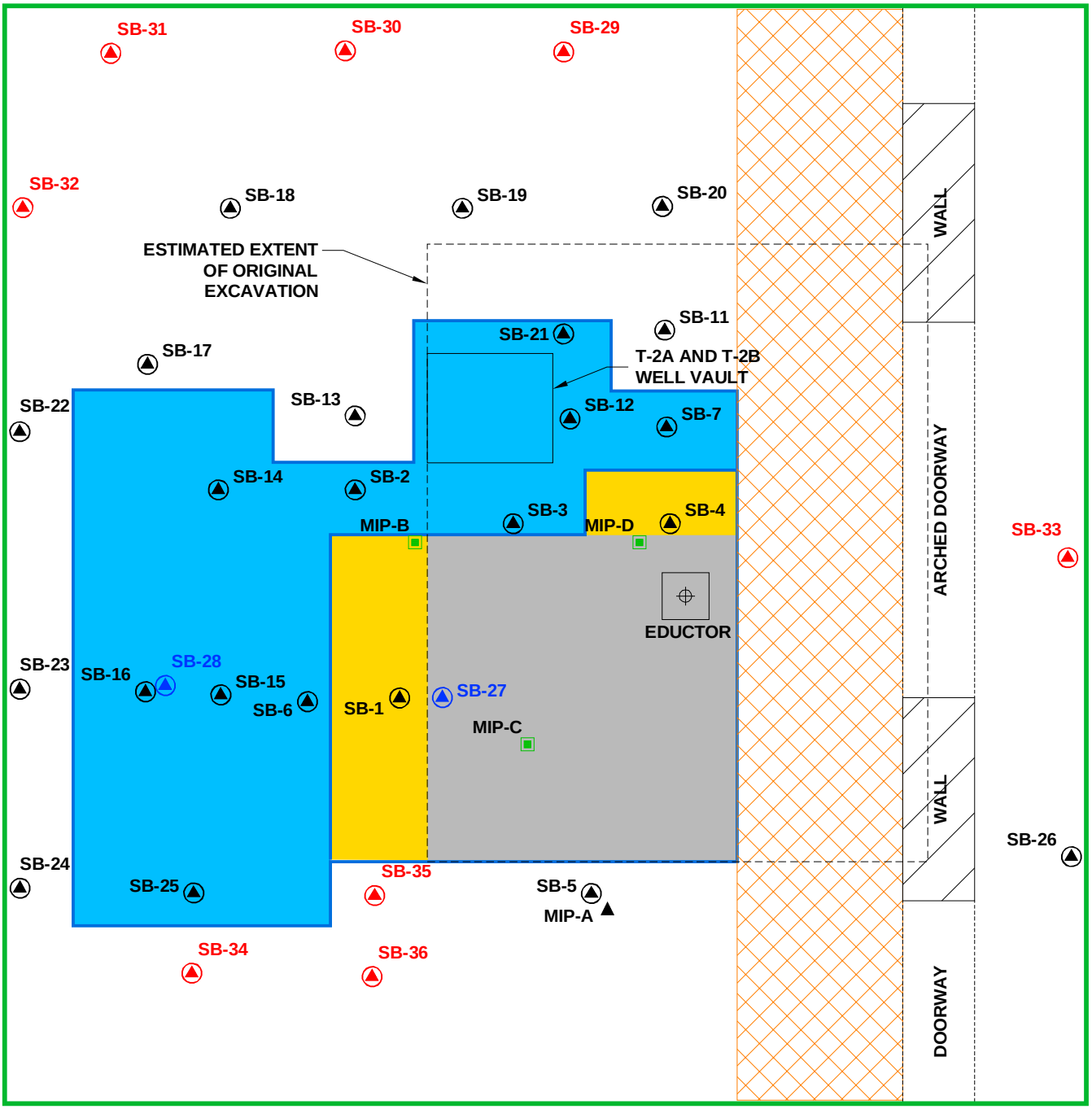
SOIL BORING LOCATIONS AND EXCAVATION AREA

PROJECT 02MIC 1/14/15

BoringLocations.dwg

FIGURE 3

February 06, 2015 5:30 am



Inset A - See Figure 4
In Well Destruction and Source Removal Work Plan (AECOM, 2014)

Legend

- Borehole Location (October/November 2014)
- Borehole Location with Associated Grab Groundwater Sample (November 2014)
- Borehole Location with Analytical Results Pending (November 2014)
- Confirmation Borehole Location (July 2014)
- Continuous Core and Soil Sampling Location (July 2013)
- Initial expansion of excavation based on analytical results from SB-1 through SB-5 (Originally planned excavation extent shown in gray)
- Proposed expansion of excavation based on analytical results from SB-6 through SB-28.
- Originally Planned Excavation Extent
- Approximate Extent of Building Footing

Abbreviations

MIP membrane interface probe

NORTH

0 2.5' 5'

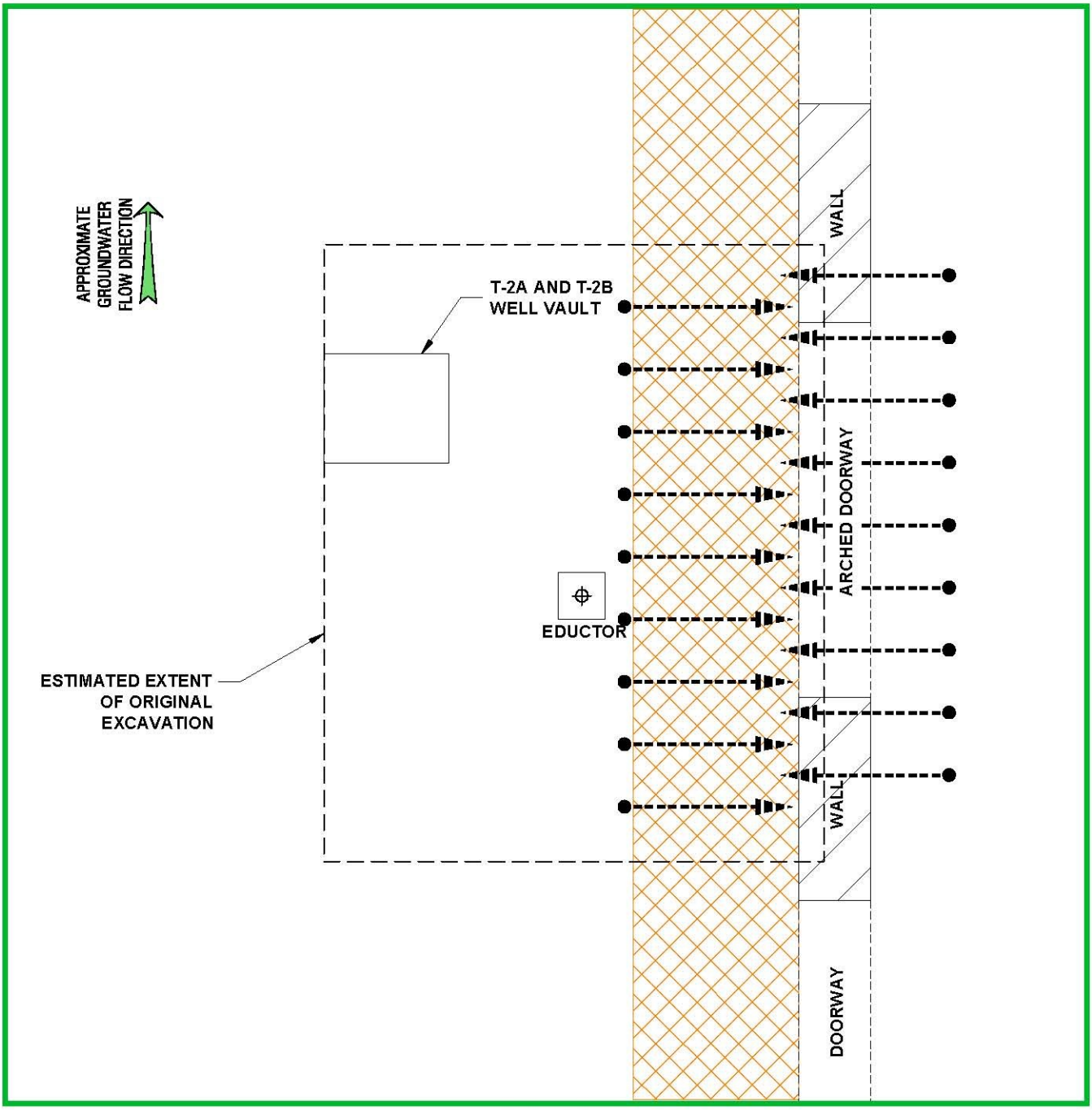
1" = 5'

Former TRW Microwave Facility

Soil Boring Locations and Proposed Expanded Excavation Area

Date: 03-2015	NORTHROP GRUMMAN	Figure
Project No. 60238860		4

File: W:\work\60238860_NG\CADD\Fig 4_SB Loc and Proposed Epanded Excavation Area_A1.dwg Layout: Layout1 User: mexias Plotted: Mar 27, 2015 - 2:18pm



Legend

- Proposed Injection Locations
- Injection Direction
- Assumed Footing

NORTH

0 2.5' 5'

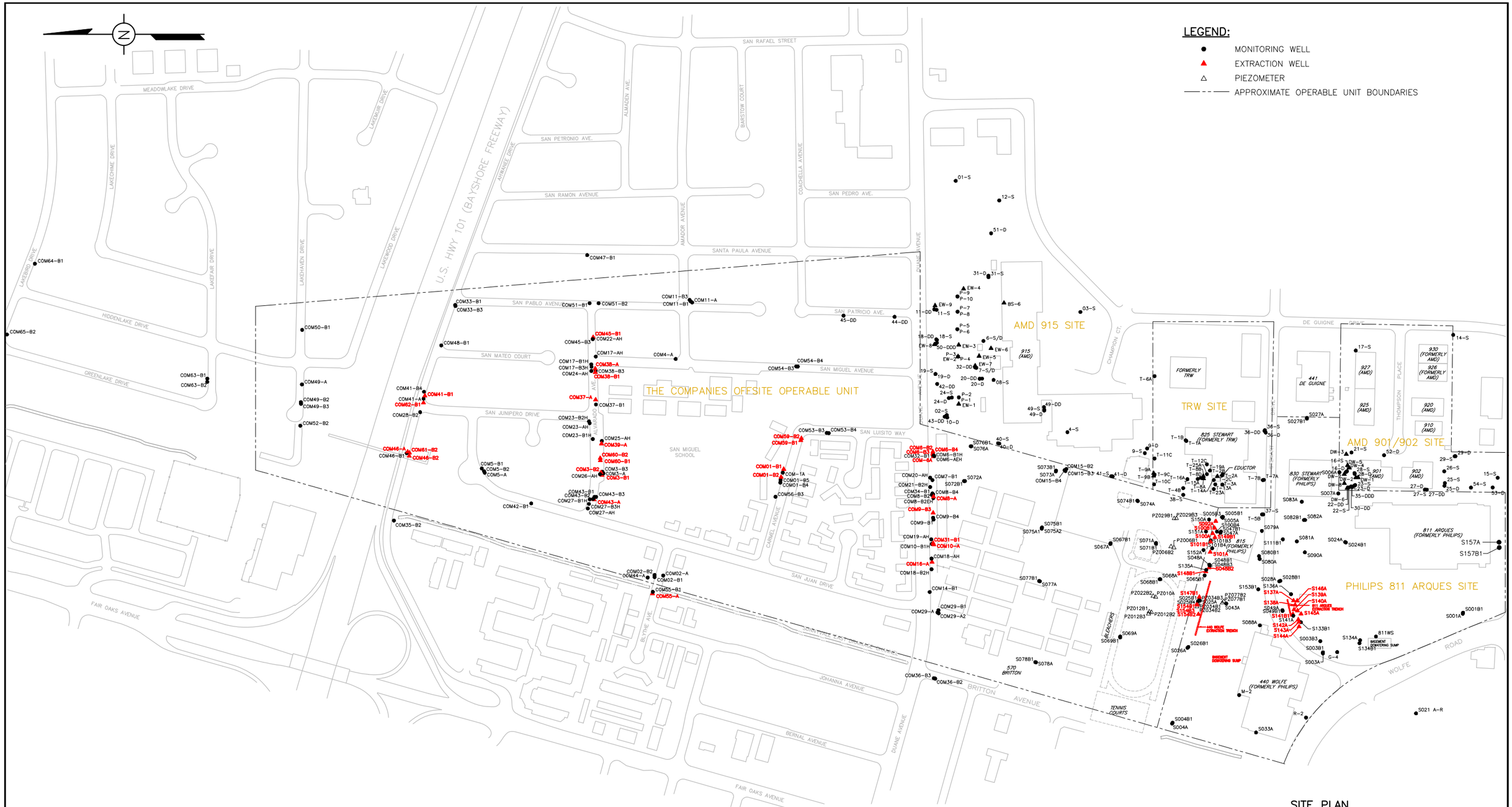
1" = 5'

Former TRW Microwave Facility

Injection Locations

Date: 03-15	NORTHROP GRUMMAN	Figure
Project No. 60238860		5

File: W:\work\60238860_NG\CADD\Fig 6_Proposed Injection Loc_A4.dwg Layout: Layout1 User: mexias Plotted: Nov 11, 2014 - 12:24pm



SITE PLAN
THE COMPANIES OFFSITE OPERABLE UNIT
SUNNYVALE, CALIFORNIA

FIGURE 6

REFERENCES:

1. BASE MAP FROM KIER AND WRIGHT, NOVEMBER 1997.
2. EMCON DRAWING NO. EXGWE-A, FEBRUARY 1998.

Figure 2 from The Companies Offsite Operable Unit Annual Groundwater Monitoring Report, 2014

K:\99-015\E284.DWG 15 JAN 11

APPENDICES

APPENDIX A

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-1A ZA																				
Per Water Board approval, well T-1A was abandoned in February 2004.																				
Oct-02	<0.5	404,000	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-01	<0.5	28	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-00	<2.0	34	--	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA
Oct-99	<1.0	34	--	--	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-98	<1.0	42	2.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-97	<1.0	51	--	--	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<2.0	ND	NA	NA	NA	NA
Oct-96	<0.5	48	3.6	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	61	--	--	--	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	74	--	--	<5	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<5.0	120	--	--	--	<10	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Apr-90	<0.5	110	--	--	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-89	<0.5	90	--	--	--	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5		<0.5	--	--	--	--	--
Aug-89	<0.5	87	--	--	--	<0.5	<0.5	<0.5	0.9	--	--	--	<0.5		<0.5	--	--	--	--	--
Feb-89	<0.5	86	--	--	--	<0.5	<0.5	<0.5	1.3	--	--	--	<0.5		<0.5	--	--	--	--	--
Nov-88	<0.5	88	--	--	--	<0.5	0.5	<0.5	2.7	--	--	--	<0.5		<0.5	--	--	--	--	--
Aug-88	<1.0	60	--	--	67	<1.0	0.9	<1.0	<1.0	--	--	--	<1.0		<1.0	--	--	--	--	--
Jun-88	<0.5	56	--	--	--	<0.5	1.5	<0.5	<0.5	--	--	--	10		<0.5	--	--	--	--	--
Jan-88	<1.0	200	--	--	--	<1.0	3.1	<1.0	1.5	--	--	--	9.1		<1.0	--	--	--	--	--
Oct-87	<2.5	160	--	--	--	<2.5	8.6	<2.5	<2.5	--	--	--	<2.5		<2.5	--	--	--	--	--
Jun-87	<1.0	190	--	--	--	<1.0	7.0	<1.0	<1.0	--	--	--	<1.0		<1.0	--	--	--	--	--
Apr-87	<2.5	160	--	--	--	<2.5	<2.5	<2.5	<2.5	--	--	--	<2.5		<2.5	--	--	--	--	--
Jan-87	<10	140	--	--	--	<10	<10	<10	<10	--	--	--	<10		<10	--	--	--	--	--
Sep-86	<2.0	420	--	--	--	<2.0	5	<2.0	<2.0	--	--	--	<2.0		<2.0	--	--	--	--	--
Jul-86	<1.0	140	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	--	<1.0		<1.0	--	--	--	--	--
Apr-86	<2.0	340	--	--	--	<2.0	<2.0	<2.0	<2.0	--	--	--	<2.0		<2.0	--	--	--	--	--
Jan-86	<5.0	630	--	--	490	<5.0	<5.0	<5.0	<5.0	--	--	--	NA		<5.0	--	--	--	--	--
Oct-85	10	640	--	--	--	<5.0	30	<5.0	<5.0	--	--	--	<5.0		<5.0	--	--	--	--	--
Nov-84	4	930	--	--	--	NA	5	NA	NA	--	--	--	NA		NA	--	--	--	--	--
Aug-84	5	950	--	--	360	ND	7	ND	ND	--	--	--	ND		ND	--	--	--	--	--
Mar-84	NA	680	--	--	--	NA	NA	NA	NA	--	--	--	NA		NA	--	--	--	--	--
Sep-83	7	1,000	--	--	--	NA	5	ND	<1.0	--	--	--	ND		NA	--	--	--	--	--
Sep-83	3	540	--	--	510	NA	3	ND	<1.0	--	--	--	ND		NA	--	--	--	--	--
Aug-83	<1.0	660	--	--	--	ND	4	<1.0	<1.0	--	--	--	<1.0		ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-2A ZA																				
Sep-14	<5.0	<5.0	190	50	--	590	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	19	150	--	--	--	--
Apr-14	<5.0	<5.0	850	57	--	670	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	20	120	<5.0	<5.0	<5.0	<10
Apr-14 Dup	<5.0	<5.0	680	51	--	540	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	17	110	<5.0	<5.0	<5.0	<10
Oct-13	<0.50	0.76	340	86		430	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	19	85	NA	NA	NA	NA
May-13	<0.50	0.53	130	35		68	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	5.8	43	<0.50	<0.50	<0.50	<1.0
May-13 Dup	<0.50	0.59	160	35		81	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	6.6	47	<0.50	<0.50	<0.50	<1.0
Oct-12	<0.50	<0.50	120	48		67	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	8.9	78	<0.50	1.9	0.53	2.6
Apr-12	<0.50	0.84	34	16		27	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	6.1	47	<0.50	1.1	0.57	1.8
Oct-11	<0.50	<0.50	12	6	--	11	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	3.4	74	<0.50	1.7	0.94	5.3
May-11	<0.50	0.52	3	2.3	--	5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	39	<0.50	<0.50	<0.50	<0.50
Mar-11	<0.50	0.68	7	2.5	--	31	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	57	<0.50	1.7	<0.50	4.8
Nov-10	<50	<50	3,200	<50	--	2,700	<50	<50	<50	<50	<100	<50	<50	<100	57	120	--	--	--	--
Oct-10	<20	<20	8,700	75	--	5,400	<20	<20	<20	<20	<40	<20	<20	<40	23	140	<20	<20	<20	<40
Oct-09	<20	<20	--	--	--	1,100	<20	<20	<20	<20	<40	<20	<20	<40	<20	46	<20	<20	<20	<40
Oct-08	<1	2.4	--	--	--	52	<1	<1	<1	<1	<2	<1	<1	<2	9.4	31	<1	<1	<1	<2
Oct-07	<5.0	<5.0	650	280	--	200	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	48	<5.0	<5.0	<5.0	<15
Apr-07	<5.0	25	180	<5.0	--	65	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	<5.0	580	270	--	140	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	41	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	<5.0	170	110	--	35	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	14	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	<5.0	220	190	--	120	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	39	<5.0	<5.0	<5.0	<15
Oct-05	<5.0	<5.0	45	49	--	22	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	18	<5.0	<5.0	<5.0	<15
Jul-05	<5.0	<5.0	110	96	--	50	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	60	<5.0	<5.0	<5.0	<15
Apr-05	<5.0	9.4	13	9.0	--	23	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	13	<5.0	<5.0	<5.0	<15
Jan-05	<5.0	<5.0	150	100	--	49	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	30	<5.0	<5.0	<5.0	<15
Oct-04	<5.0	<5.0	200	69	--	100	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	46	<5.0	<5.0	<5.0	<15
Apr-04	<1.0	4.4	59	<1.0	--	30	<1.0	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Jan-04	<5.0	<5.0	<5.0	<5.0	--	9.7	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
Oct-03	<5.0	6.3	66	<5.0	--	130	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	24	<5.0	<5.0	<5.0	<10
Jul-03	<1.0	2.5	17	<1.0	--	48	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	14	NA	19	<1.0	3.8
Apr-03	<1.0	15	7.3	<1.0	--	13	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	6.6	NA	<1.0	<1.0	<2.0
Jan-03	<1.0	16	12	1.1	--	24	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	16	NA	NA	NA	NA
Oct-02	1.2	28	31	2	--	37	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	28	<1.0	<1.0	<1.0	3.9
Jul-02	<1.0	32	94	6.7	--	140	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	NA	NA	7.1	NA	<1.0	<1.0	<2.0
Apr-02	<1.0	4.2	45	<1.0	--	76	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	76	NA	<1.0	<1.0	<2.0
Jan-02	<13	110	210	<13	--	240	<13	<13	<13	ND	<25	<13	NA	ND	20	<13	NA	NA	NA	NA
Nov-01	10	140	180	6.7	--	460	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<5.0	<10
Oct-01	<50	480	230	<50	--	310	<50	<50	<50	<50	<100	<100	<100	<50	NA	<50	NA	<50	<50	<100
Aug-01	19	88	400	8.6	--	690	<1.0	<1.0	1.1	ND	<2.0	<2.0	NA	ND	NA	2.9	NA	1.8	<1.0	5.4
Jun-01	1.1	5.4	57	5.2	--	620	<1.0	1.2	1.9	ND	4.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Mar-01	13	110	360	5.3	--	400	1.6	1.2	<1.0	ND	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Jan-01	11	120	330	4.2	--	86	2.3	1.3	<1.0	ND	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-00	<20	160	520	<20	--	330	<20	<20	<20	<20	ND	ND	<20	ND	<20	<20	NA	NA	NA	NA
Oct-99	27	270	220	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	<10	NA	NA	NA	NA
Apr-99	20	210	160	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	<25	NA	NA	NA	NA
Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Apr-98	20	440	150	<10	--	<10	<10	<10	<10	ND	ND	ND	<40	ND	<10	<25	NA	NA	NA	NA
Oct-97	71	470	320	<25	--	<25	<25	<25	<25	ND	ND	ND	<25	ND	<50	<50	NA	NA	NA	NA
Apr-97	37	330	250	4.4	--	3.1	<1.7	2.1	<1.7	ND	ND	ND	1.8	ND	<1.7	ND	NA	NA	NA	NA
Oct-96	3.3	71	97	1.0	--	9.5	<0.5	0.6	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	14	190	--	--	140	13	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Apr-95	18	280	--	--	300	<10	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-94	<25	320	--	--	530	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Apr-94	3.9	1,600	--	--	2,216	120	<0.5	21	<0.5	ND	ND	ND	<0.5	ND	2.2	ND	NA	NA	NA	NA
Feb-94	6.3	1,900	--	--	2,723	260	<0.5	32	1.1	ND	ND	ND	1.9	ND	9.6	ND	NA	NA	NA	NA
Oct-93	16	5,800	--	--	4,732	300	<5.0	49	<5.0	ND	ND	ND	<5.0	ND	23	ND	NA	NA	NA	NA
Apr-93	18	1,300	--	--	1,710	14	<0.5	13	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	10	640	--	--	650	80	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	2.1	ND	NA	NA	NA	NA
Apr-92	30	4,400	--	--	410	120	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Jan-92	0.8	42	--	--	6.1	4.0	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	12	120	--	--	50	<1	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Jul-90	40	100	--	--	40	3.3	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	3.4	ND	NA	NA	NA	NA
Apr-90	40	160	--	--	12	7.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-89	84	230	--	--	23	220	<1.0	3	<1.0	--	--	--	<1.0	ND	79	--	--	--	--	--
Aug-89	41	2,300	--	--	30	<10	<10	<10	<10	--	--	--	18	ND	<10	--	--	--	--	--
May-89	140	470	--	--	500	340	<5.0	<5.0	<5.0	--	--	--	<5.0	ND	<5.0	--	--	--	--	--
Feb-89	220	620	--	--	240	<10	<10	<10	<10	--	--	--	380	ND	<10	--	--	--	--	--
Nov-88	260	1,300	--	--	4,200	18,000	<100	<100	<100	--	--	--	<100	ND	<100	--	--	--	--	--
Nov-88	<10	1,300	--	--	3,800	3,600	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Aug-88	250	1,400	--	--	5,700	11,000	<100	<100	<100	--	--	--	<100	ND	<100	--	--	--	--	--
Jun-88	610	4,000	--	--	4,200	4,600	<50	<50	<50	--	--	--	<50	ND	<50	--	--	--	--	--
Jun-88	530	3,200	--	--	3,100	4,000	1.6	15	1.4	--	--	--	<5.0	ND	32	--	--	--	--	--
Oct-87	190	980	--	--	330	40	7.5	<5.0	<5.0	--	--	--	<5.0	ND	46	--	--	--	--	--
Jan-87	380	2,900	--	--	5,500	<50	<50	<50	<50	--	--	--	<50	ND	610	--	--	--	--	--
Jul-86	980	6,400	--	--	5,400	540	<50	<50	<50	--	--	--	<50	ND	650	--	--	--	--	--
Apr-86	1,700	10,000	--	--	30,000	740	<100	<100	<100	--	--	--	<100	ND	<100	--	--	--	--	--
Apr-86	3,700	15,000	--	--	13,000	650	<100	<100	<100	--	--	--	NA	ND	<100	--	--	--	--	--
Mar-86	<100	9,800	--	--	2,500	<100	<100	<100	<100	--	--	--	NA	ND	<100	--	--	--	--	--
Oct-85	4,600	12,000	--	--	15,000	<50	<50	<50	<50	--	--	--	<50	ND	<50	--	--	--	--	--
Nov-84	5,400	520,000	--	--	17,000	NA	<500	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Aug-84	8,600	190,000	--	--	21,000	300	ND	600	ND	--	--	--	ND	ND	ND	--	--	--	--	--
Mar-84	NA	13,000	--	--	NA	NA	NA	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Sep-83	4,000	730,000	--	--	2,000	NA	ND	ND	ND	--	--	--	ND	ND	NA	--	--	--	--	--
Sep-83	7,000	890,000	--	--	3,000	NA	ND	ND	ND	--	--	--	ND	ND	NA	--	--	--	--	--
Aug-83	86,000	6,100,000	--	--	<5.0	<5.0	130	<5.0	<5.0	--	--	--	<5.0	ND	<5.0	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-3A ZA																				
Sep-14	1.2	130	65	1.3	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	--	--	--	--
Apr-14	1.3	140	51	1.6	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	1.9	250	88	2.6	--	<1.0	<1.0	0.70 J	<1.0	--	<2.0	<1.0	0.61 J	<2.0	<1.0	<1.0	NA	NA	NA	NA
Oct-12	<1.0	120	38	1.9	--	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Oct-11	1.8	120	38	1.6	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	1.1	120	42	1.4	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	1.7	170	44	2.2	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<2	140	8.0	<2	--	<2	<2	<2	<2	<2	<4	<2	<2	<4	<2	<2	<2	<2	<2	<4
Oct-07	<5.0	210	15	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	3.7	230	49	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA
Oct-05	4.1	180	48	1.3	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
Oct-04	2.3	130	41	1.7	--	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<1.0	<1.0	NA	NA	NA	NA
Oct-03	<5.0	150	43	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-02	<2.0	180	17	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<2.0	<8.0	<2.0	<2.0	NA	NA	NA	NA
Oct-01	<5.0	130	48	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-00	<10	140	71	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-99	2.1	95	78	<2.0	--	9	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Oct-98	<5.0	140	84	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-97	<5.0	180	100	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<10	ND	NA	NA	NA	NA
Oct-96	2.0	110	52	0.6	--	<0.5	0.9	<0.5	<0.5	ND	ND	ND	0.8	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	2.9	180	--	--	121.2	<2.0	3.1	<1.0	1.1	ND	ND	ND	1.9	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	170	--	--	130	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Feb-94	3.7	130	--	--	60	<1.0	4.6	<0.5	1.2	ND	ND	ND	1.7	ND	<0.5	ND	NA	NA	NA	NA
Oct-93	<5.0	280	--	--	120	<10	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-92	1.1	3.0	--	--	<0.5	<1.0	1.7	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	4.7	17	--	--	<0.5	<0.5	5.9	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-92	2.0	11	--	--	<0.5	<0.5	2.3	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-91	5.8	25	--	--	<0.5	<0.5	5.4	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-91	3.2	19	--	--	<0.5	<0.5	6.2	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	2.1	10	--	--	<0.5	<0.5	3.1	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-91	1.4	7.4	--	--	<0.5	<0.5	0.7	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	1.4	11	--	--	<0.5	<0.5	4.2	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-90	<0.5	4.6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-90	<0.5	1.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-90	<0.5	8.2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-89	<0.5	4	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
Aug-89	0.7	5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
May-89	<1.0	2	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	--	<1.0	ND	<1.0	--	--	--	--	--
Feb-89	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
Nov-88	<0.5	4	--	--	1.8	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
Aug-88	0.5	5	--	--	1.1	<0.5	1.1	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
May-88	0.4	2	--	--	0.7	<0.1	0.2	<0.1	<0.1	--	--	--	<0.1	ND	<0.2	--	--	--	--	--
May-88	0.4	2	--	--	0.8	<0.1	0.2	<0.1	<0.1	--	--	--	<0.1	ND	<0.1	--	--	--	--	--
Jan-88	0.7	4	--	--	0.8	<0.5	0.6	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-88	0.5	2	--	--	0.6	<0.1	0.2	<0.1	<0.1	--	--	--	<0.1	ND	<0.2	--	--	--	--	--
Oct-87	15	460	--	--	310	<2.5	16	<2.5	<2.5	--	--	--	<2.5	ND	<2.5	--	--	--	--	--
Jun-87	24	900	--	--	720	<10	72	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Apr-87	20	920	--	--	740	<10	100	12	<10	--	--	--	86	ND	<10	--	--	--	--	--
Jan-87	<10	3,000	--	--	880	<10	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Sep-86	15	560	--	--	340	<2.0	15	<2.0	<2.0	--	--	--	<2.0	ND	<2.0	--	--	--	--	--
Jul-86	180	1,800	--	--	790	<10	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Apr-86	91	1,500	--	--	220	<1.0	12	<1.0	<1.0	--	--	--	<1.0	ND	<1.0	--	--	--	--	--
Oct-85	<25	2,700	--	--	1,100	<25	<25	<25	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Oct-85	170	3,100	--	--	3,200	<50	95	<50	<50	--	--	--	480	ND	<50	--	--	--	--	--
Nov-84	260	1,300	--	--	1,100	NA	42	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Aug-84	210	530	--	--	690	ND	13	ND	2	--	--	--	ND	ND	ND	--	--	--	--	--
Mar-84	NA	240	--	--	NA	NA	NA	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Sep-83	560	300	--	--	91	NA	16	ND	<1.0	--	--	--	52	ND	NA	--	--	--	--	--
Sep-83	580	290	--	--	96	NA	16	NA	<1.0	--	--	--	35	ND	NA	--	--	--	--	--
Aug-83	1,100	1,600	--	--	36	<5.0	0.2	<5.0	<5.0	--	--	--	<5.0	ND	<5.0	--	--	--	--	--
T-6A ZA																				
Oct-07	<0.5	22	17	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	0.62	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Oct-06	<0.5	24	22	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
Oct-05	<0.5	21	28	0.51	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
Oct-04	<0.5	14	30	0.92	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-03	0.61	8.5	2.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-02	0.72	9.3	2.7	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-01	<0.5	9.2	1.7	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-00	<1.0	7.3	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0	ND	<1.0	<1.0	NA	NA	NA	NA
Oct-99	<1.0	9.4	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-98	<1.0	9.4	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-97	<0.5	7.4	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	0.6	ND	<1.0	ND	NA	NA	NA	NA
Oct-96	<0.5	7.6	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	0.8	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	6.5	--	--	<1.0	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	19	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<0.5	6.3	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	5.6	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-91	<0.5	7.8	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	<0.5	9.0	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Aug-89	<0.5	14	--	--	0.7	<0.5	0.6	<0.5	<0.5	--	--	--	0.7	ND	<0.5	--	--	--	--	--
May-88	<0.5	13	--	--	1.5	<0.5	2.5	<0.5	<0.5	--	--	--	2.1	ND	<0.5	--	--	--	--	--
Jan-88	<0.5	21	--	--	1.6	<0.5	2.6	<0.5	<0.5	--	--	--	2.1	ND	<0.5	--	--	--	--	--
Jan-87	<10	52	--	--	<10	<10	<10	<10	<10	--	--	--	37	ND	<10	--	--	--	--	--
Oct-85	<0.5	68.5	--	--	10	<0.5	12	<0.5	<0.5	--	--	--	21	ND	<0.5	--	--	--	--	--
Mar-84	NA	27	--	--	NA	NA	NA	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-7A ZA																				
Oct-14	<2.5	230	75	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	--	--	--	--
Oct-14 Dup	<2.5	170	64	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	--	--	--	--
Oct-13	1.6 J	240	77	1.7 J		<2.5	<2.5	<2.5	<2.5		<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	NA	NA	NA	NA
Oct-13 Dup	1.7 J	250	81	1.8 J		<2.5	<2.5	<2.5	<2.5		<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	NA	NA	NA	NA
Oct-12	<2.5	56/63	230	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-11 Dup	<2.5	140	170	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-11	0.67	140	180	2.1	--	1.8	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10 Dup	<5.0	190	51	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-10	<5.0	220	56	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-09 Dup	1.6	180	54	1.9	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	1.6	180	52	2.4	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08 Dup	<4	330	75	<4	--	<4	<4	<4	<4	<4	<8	<4	<4	<8	<4	<4	<4	<4	<4	<8
Oct-08	<4	370	79	4.2	--	<4	<4	<4	<4	<4	<8	<4	<4	<8	<4	<4	<4	<4	<4	<8
Oct-07	<5.0	370	80	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-07 Dup	<5.0	380	81	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
May-07	<5.0	290	100	<5.0	--	NA	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	5.4	<5.0	<5.0	<5.0	<15
Jan-07	NA	430	120	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<4.0	330	85	<4.0	--	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<4.0	<4.0	<8.0	<4.0	<4.0	NA	NA	NA	NA
Oct-06 Dup	<2.0	320	76	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<4.0	<2.0	<2.0	NA	NA	NA	NA
Jul-06	<5.0	450	140	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	360	180	9.9	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-05	<2.0	340	130	3.3	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	<2.0	<2.0	<2.0	NA	NA	NA	NA
Oct-04	<2.0	370	110	4.6	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<2.0	<8.0	<2.0	<2.0	NA	NA	NA	NA
Apr-04	2.0	340	170	4.4	--	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<2.0
Oct-03 (1)	<5.0	480	268	8.7	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-03	<1.0	430	210	2.6	--	<1.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-02	<5.0	510	190	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<20	<5.0	<5.0	NA	NA	NA	NA
Apr-02	<10	350	160	<10	--	<10	<10	<10	<10	ND	<20	<10	<10	ND	<10	<10	NA	NA	NA	NA
Jan-02	<10	290	120	<10	--	<10	<10	<10	<10	ND	<20	<10	<10	ND	<10	<10	NA	NA	NA	NA
Oct-01	<5.0	260	71	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	NA	NA	NA	NA
Jun-01	1.6	220	76	1.4	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	1.2	<2.0
Oct-00	<10	120	87	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-99	<2.0	130	21	<2.0	--	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA
Oct-99 Dup	<2.0	140	20	<2.0	--	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Oct-98	<5.0	200	18	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	<25	NA	NA	NA	NA
Oct-97	<10	270	33	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<20	<50	NA	NA	NA	NA
Oct-96	1.8	260	32	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	1.5	ND	<1.0	ND	NA	NA	NA	NA
Oct-95	<5.0	400	--	--	47	<10	<5.0	<5.0	<5.0	ND	ND	ND	5.9	ND	<5.0	ND	NA	NA	NA	NA
Nov-94	<25	410	--	--	100	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Oct-94	450	1,700	--	--	3,300	<250	<250	<250	<250	ND	ND	ND	<250	ND	<250	ND	NA	NA	NA	NA
Oct-93	<5.0	480	--	--	90	<10	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-92	2.4	670	--	--	222	<1.0	2	<0.5	1	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	5.0	980	--	--	425	<0.5	3	1	2	ND	ND	ND	1	ND	<0.5	ND	NA	NA	NA	NA
Jan-92	<10	1,200	--	--	980	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Jul-91	10	720	--	--	720	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	14	ND	<5.0	ND	NA	NA	NA	NA
Apr-91	<5.0	720	--	--	640	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-90	<5.0	820	--	--	870	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Jul-90	<20	810	--	--	20	<20	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Apr-90	<10	1,300	--	--	760	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Jan-90	<10	1,300	--	--	640	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Oct-89	<5.0	1,000	--	--	340	<5.0	<5.0	<5.0	<5.0	--	--	--	<10	ND	<5.0	--	--	--	--	--
Oct-89	6	820	--	--	320	<2.0	5	<2.0	<2.0	--	--	--	<2.0	ND	<2.0	--	--	--	--	--
Aug-89	<10	1,400	--	--	340	<10	38	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
May-89	5.7	1,300	--	--	320	<5.0	<5.0	<5.0	<5.0	--	--	--	<5.0	ND	<5.0	--	--	--	--	--
Feb-89	<25	1,200	--	--	190	<25	<25	<25	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Feb-89	<25	1,100	--	--	200	<25	<25	<25	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Nov-88	<10	1,200	--	--	300	<10	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Aug-88	<10	970	--	--	320	<10	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Jun-88	<25	1,200	--	--	610	<25	<25	<25	<25	--	--	--	360	ND	<25	--	--	--	--	--
Jan-88	<50	3,200	--	--	570	<50	<50	<50	<50	--	--	--	<50	ND	<50	--	--	--	--	--
Oct-87	<25	2,700	--	--	1,600	<25	<25	<25	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Jun-87	<25	3,000	--	--	3,900	<25	<25	<25	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Apr-87	<25	2,800	--	--	3,500	<25	<25	59	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Jan-87	<10	3,000	--	--	2,500	<10	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Sep-86	<12	2,200	--	--	1,500	<12	<12	<12	<12	--	--	--	<12	ND	<12	--	--	--	--	--
Jul-86	<25	3,300	--	--	1,900	<25	<25	<25	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Apr-86	<10	1,400	--	--	<10	<10	<10	1,800	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Jan-86	<25	2,500	--	--	1,400	<25	<25	<25	<25	--	--	--	NA	ND	<25	--	--	--	--	--
Oct-85	28	3,800	--	--	4,200	340	87	<50	<50	--	--	--	<50	ND	<50	--	--	--	--	--
Oct-85	<50	3,600	--	--	3,700	<50	<50	<50	<50	--	--	--	690	ND	<50	--	--	--	--	--
Nov-84	15	3,100	--	--	1,800	NA	22	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Aug-84	120	6,800	--	--	2,200	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-8A ZA																				
Oct-14	1.7	110	56	2.6	--	<0.50	<0.50	0.55	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	--	--	--	--
Apr-14	<2.5	130	63	2.8	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-13	2.0	110	57	3.6		0.91	0.25 J	0.69	0.46 J		<1.0	<0.50	0.56	<1.0	<0.50	<0.50	NA	NA	NA	NA
May-13	1.5	110	58	2.8		0.71	<0.50	0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-12	<2.5	160	82	<2.5		<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Apr-12	1.1	110	67	1.1		0.88	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	1.6	140	69	2.1	--	1.3	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	0.99	87	65	2.8	--	4.6	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-10	<0.50	43	26	2.1	--	3.7	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	0.54	36	33	3.2	--	21	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Feb-09	<0.50	21	23	1.4	--	9.2	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
Oct-08	0.76	84	28	1.1	--	4.9	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1
Oct-07	<5.0	59	71	<5.0	--	36.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-07	<5.0	170	63	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-07	8.2	180	81	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	57	34	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-06	<5.0	210	94	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	86	83	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	63	44	<5.0	--	5.8	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-05	<5.0	200	130	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-05	<5.0	170	58	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-05	<5.0	140	44	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-04	2.8	130	39	2.3	--	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<1.0	<1.0	NA	NA	NA	NA
Jul-04	<5.0	150	50	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-04	3.2	120	45	2.5	--	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<2.0
Jan-04	<5.0	110	33	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Oct-03	<5.0	140	48	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Jul-03	2.0	150	41	1.2	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Mar-03	1.9	150	45	<1.0	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Jan-03	3.3	140	49	1.2	--	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<1.0	NA	<1.0	NA	NA	NA	NA
Oct-02	2.4	130	54	1.4	--	14	1.2	2.8	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	1.3	<1.0	1.2	<2.0
Jul-02	<1.0	120	44	<1.0	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Mar-02	2.4	140	41	1.3	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Jan-02	2.0	170	62	1.5	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	6.8	2.7
Nov-01	<5.0	140	62	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	ND	NA	<5.0	NA	<5.0	<5.0	<10
Oct-01	2.8	190	68	1.4	--	<2.0	1.5	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Aug-01	5.9	180	72	1.4	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Jun-01	2.6	150	64	1.4	--	<2.0	1.6	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	2.2	<2.0
Oct-00	<10	150	64	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-00 Dup	<10	140	62	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-99	2.6	130	77	<2.0	--	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA
Apr-99	<10	110	72	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-98	3.0	110	120	<2.0	--	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA
Apr-98	<5.0	170	110	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<20	ND	<5.0	<5.0	NA	NA	NA	NA
Oct-97	<10	210	170	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<20	<10	NA	NA	NA	NA
Apr-97	3.8	200	160	12	--	<1.0	2.9	<1.0	1.3	ND	ND	ND	2.7	ND	2.2	ND	NA	NA	NA	NA
Oct-96	2.4	160	160	3.7	--	<0.5	2.3	0.8	1.1	ND	ND	ND	1.5	ND	2.2	ND	NA	NA	NA	NA
Apr-96	4.0	230	--	--	180	<2.5	3	<2.5	<2.5	ND	ND	ND	<2.5	ND	<2.5	ND	NA	NA	NA	NA
Oct-95	4.4	260	--	--	222.5	<4.0	4.9	2.1	<2.0	ND	ND	ND	4	ND	<2.0	ND	NA	NA	NA	NA
Apr-95	<5.0	230	--	--	200	<10	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-94	<25	300	--	--	330	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Apr-94	4.9	280	--	--	221	<0.5	8	3	<0.5	ND	ND	ND	3	ND	1	ND	NA	NA	NA	NA
Oct-93	<5.0	250	--	--	200	<10	7	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Apr-93	2.6	160	--	--	110	<5.0	4	<2.5	<2.5	ND	ND	ND	<2.5	ND	<2.5	ND	NA	NA	NA	NA
Oct-92	7.3	260	--	--	<50	2	4	<0.5	<0.5	ND	ND	ND	NA	ND	1	ND	NA	NA	NA	NA
Apr-92	8.0	400	--	--	140	<2.0	19	<2.0	<2.0	ND	ND	ND	21	ND	<2.0	ND	NA	NA	NA	NA
Jul-91	4.6	110	--	--	49	<0.5	2	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	<2.0	160	--	--	63	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Jan-91	1.0	100	--	--	58	<1.0	1	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-90	2.8	100	--	--	50	<0.5	4	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-90	<2.0	120	--	--	30	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Apr-90	3.0	99	--	--	28	<0.5	1	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Feb-90	2.6	76	--	--	20	<0.5	1	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-89	7	250	--	--	65	2	7	2	<1.0	--	--	--	3	ND	8	--	--	--	--	--
Aug-89	14	340	--	--	62	<1.0	10	4	1	--	--	--	5	ND	<1.0	--	--	--	--	--
Feb-89	<10	200	--	--	24	<10	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Nov-88	7	260	--	--	<2.0	<2.0	7	<2.0	<2.0	--	--	--	4	ND	9	--	--	--	--	--
Aug-88	9.0	370	--	--	180	<5.0	10	<5.0	<5.0	--	--	--	25	ND	<5.0	--	--	--	--	--
Jan-88	23	570	--	--	330	<5.0	18	<5.0	<5.0	--	--	--	27	ND	<5.0	--	--	--	--	--
Oct-87	9.8	690	--	--	350	<5.0	17	<5.0	<5.0	--	--	--	<5.0	ND	<5.0	--	--	--	--	--
Oct-87	<0.5	830	--	--	290	<1.0	<0.5	<0.5	<0.5	--	--	--	<1.0	ND	NA	--	--	--	--	--
Jul-87	<10	1,700	--	--	1,000	<10	25	<10	<10	--	--	--	12	ND	<10	--	--	--	--	--
Jan-87	23	1,200	--	--	540	<5.0	24	<5.0	<5.0	--	--	--	<5.0	ND	53	--	--	--	--	--
Jul-86	<10	1,400	--	--	650	<10	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Apr-86	20	1,100	--	--	<10	<10	<10	<10	<10	--	--	--	<10	ND	800	--	--	--	--	--
Oct-85	44	2,200	--	--	2,400	<25	77	<25	<25	--	--	--	320	ND	<25	--	--	--	--	--
Nov-84	37	2,200	--	--	1,300	NA	9.8	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Aug-84	130	2,800	--	--	2,100	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
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Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-9A ZA																				
Oct-14	1.2	70	91	3.4	--	<0.50	<0.50	0.71	0.51	<0.50	<1.0	<0.50	<0.50	<1.0	3.4	<0.50	--	--	--	--
Oct-13	0.97	67	74	2.9		0.81	<0.50	0.44 J	0.47 J		<1.0	<0.50	<0.50	<1.0	3.1	<0.50	NA	NA	NA	NA
Oct-12	0.9	50	82	3.3		0.91	<0.5	0.54	<0.5	<0.5	<1.0	<0.5	<0.5	<1.0	3	<0.5	<0.5	<0.5	<0.5	<1.0
Oct-11	1.6	73	100	2.9	--	2.2	<0.50	0.55	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	3.7	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	0.83	48	88	2.2	--	3.5	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	2.6	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	1.5	66	82	3.0	--	2.0	<0.50	0.58	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	4.0	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	1.3	50	98	2.7	--	1.2	<1	<1	<1	<1	<2	<1	<1	<2	3.1	<1	<1	<1	<1	<2
Oct-07	<5.0	120	130	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
May-07	<5.0	98	92	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-07	<5.0	130	120	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	100	100	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-06	<5.0	60	130	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	47	190	8.1	--	6.8	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	56	140	<5.0	--	21	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-05	<5.0	56	170	<5.0	--	7.3	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-05	<5.0	140	90	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-05	<5.0	7.5	320	<5.0	--	8.2	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-05	<5.0	120	92	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-04	<5.0	110	74	<5.0	--	5.3	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-04	2.9	85	81	2.3	--	7.2	<1.0	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<2.0
Jan-04	<5.0	92	56	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Oct-03	<5.0	120	81	<5.0	--	24	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-03	1.8	120	87	1.4	--	<2.0	1.1	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-02	<5.0	110	66	<5.0	--	8.1	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<20	<5.0	<5.0	NA	NA	NA	NA
Jul-02	<2.5	120	95	<2.5	--	7.3	<2.5	<2.5	<2.5	ND	<5.0	<2.5	<2.5	ND	<2.5	<2.5	NA	NA	NA	NA
Apr-02	3.0	130	100	<2.5	--	9.0	<2.5	<2.5	<2.5	ND	<5.0	<2.5	<2.5	ND	3.0	<2.5	NA	NA	NA	NA
Jan-02	3.0	140	110	<2.5	--	11	<2.5	<2.5	<2.5	ND	<5.0	<2.5	<2.5	ND	3.9	<2.5	NA	NA	NA	NA
Oct-01	<5.0	110	87	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<20	<20	<5.0	<5.0	NA	NA	NA	NA
Aug-01	<5.0	120	110	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<25	ND	NA	<5.0	<5.0	<5.0	<5.0	<5.0
Oct-00	<10	140	110	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-00 Dup	<10	140	110	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-99	3.5	130	100	2.2	--	<2.0	2.4	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA
Apr-99	<10	140	140	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-98	3.4	130	150	2.1	--	<2.0	2.6	<2.0	<2.0	ND	ND	ND	<2.0	ND	6.0	<2.0	NA	NA	NA	NA
Apr-98	<5.0	150	170	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<20	ND	<5.0	<5.0	NA	NA	NA	NA
Oct-97	<10	210	290	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<20	<10	NA	NA	NA	NA
Apr-97	5.0	200	250	16	--	1.4	3.9	1.9	1.7	ND	ND	ND	3.3	ND	9.8	ND	NA	NA	NA	NA
Oct-96	4.2	190	270	3.5	--	<1.0	4.4	2.7	1.7	ND	ND	ND	2.8	ND	11	ND	NA	NA	NA	NA
Apr-96	6.2	240	--	--	293	<2.5	5.3	2.7	<2.5	ND	ND	ND	<2.5	ND	12	ND	NA	NA	NA	NA
Oct-95	5.7	210	--	--	252.9	<5.0	5.4	3.2	<2.5	ND	ND	ND	3.5	ND	14	ND	NA	NA	NA	NA
Apr-95	4.7	180	--	--	170	<6.0	3.8	<3.0	<3.0	ND	ND	ND	<3.0	ND	12	ND	NA	NA	NA	NA
Oct-94	<25	260	--	--	160	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Apr-94	9.2	270	--	--	263	6.7	12	9.1	2.3	ND	ND	ND	<0.5	ND	22	ND	NA	NA	NA	NA
Oct-93	7.0	330	--	--	320	<10	8.0	<5.0	<5.0	ND	ND	ND	8.0	ND	17	ND	NA	NA	NA	NA
Apr-93	8.0	420	--	--	240	30	8.0	<5.0	<5.0	ND	ND	ND	5.0	ND	16	ND	NA	NA	NA	NA
Oct-92	13	470	--	--	233	8.7	9.3	5.8	3.2	ND	ND	ND	NA	ND	21	ND	NA	NA	NA	NA
Apr-92	16	740	--	--	380	<5.0	18	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Jan-92	22	850	--	--	770	<5.0	24	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Jul-91	26	720	--	--	580	<5.0	17	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Apr-91	20	1,000	--	--	940	<10	<10	<10	<10	ND	ND	ND	<10	ND	22	ND	NA	NA	NA	NA
Jan-91	30	1,700	--	--	700	<10	10	10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Oct-90	20	1,400	--	--	930	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Jul-90	45	1,100	--	--	880	64	8.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	11	ND	NA	NA	NA	NA
Apr-90	30	2,600	--	--	1,500	120	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Feb-90	<50	2,800	--	--	200	<50	<50	<50	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Oct-89	69	820	--	--	770	200	14	3	<2.0	--	--	--	<2.0	ND	110	--	--	--	--	--
May-88	25	1,000	--	--	710	170	26	13	<5.0	--	--	--	24	ND	63	--	--	--	--	--
Jan-88	<25	1,700	--	--	1,400	230	<25	<25	<25	--	--	--	<25	ND	<25	--	--	--	--	--
Oct-87	44	770	--	--	430	220	22	<5.0	<5.0	--	--	--	55	ND	<5.0	--	--	--	--	--
Jul-87	<10	1,000	--	--	1,400	390	13	<10	<10	--	--	--	18	ND	36	--	--	--	--	--
Jul-86	21	1,100	--	--	1,200	540	<10	<10	<10	--	--	--	<10	ND	82	--	--	--	--	--
Apr-86	<10	1,100	--	--	1,600	780	<10	<10	<10	--	--	--	<10	ND	<10	--	--	--	--	--
Mar-86	<10	2,500	--	--	2,000	<10	<10	<10	<10	--	--	--	NA	ND	<10	--	--	--	--	--
Mar-86	<10	1,700	--	--	2,100	<10	<10	<10	<10	--	--	--	NA	ND	<10	--	--	--	--	--
Mar-86	120	1,100	--	--	2,500	710	<10	<10	<10	--	--	--	NA	ND	<10	--	--	--	--	--
Oct-85	320	5,600	--	--	<50	<50	60	<50	<50	--	--	--	1,200	ND	<50	--	--	--	--	--
Nov-84	31	1,800	--	--	4,200	NA	12	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Aug-84	280	2,000	--	--	7,900	3,500	ND	47	ND	--	--	--	ND	ND	ND	--	--	--	--	--

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Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-13A ZA																				
Oct-14	<0.50	1.4	76	4.6	--	33	<0.50	<0.50	0.56	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	--	--	--	--
Oct-14 Dup	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr-14	<0.50	1.8	49	4.4	--	19	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-14 Dup	<0.50	1.4	50	5.5	--	20	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	<0.50	1.2	79	8.2		38	<0.50	<0.50	0.59		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
May-13	<0.50	3.1	31	4.1		16	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
May-13 Dup	<0.50	2.9	30	3.9		16	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-12	<0.50	1.2	20	2.3		17	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-12	<0.50	0.74	18	1.6		5.8	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.52	<0.50	<0.50	<0.50	0.56	<1.0
Oct-11	0.84	70	66	2.8	--	10.0	<0.50	0.54	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	0.52	72	51	2.2	--	6.9	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-10	<0.50	57	31	1.4	--	4.2	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	26	40	2.40	--	8.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.52	1.2	<0.50	<0.50	<0.50	<1.0
Feb-09	<0.50	30	32	2.1	--	8.3	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	2.1	2.9	NA	NA	NA	NA
Oct-08	<25	38	<25	<25	--	<25	<25	<25	<25	<25	<50	<25	<25	<50	<25	<25	<25	<25	3100	<50
Oct-07	<5.0	48	260	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-07	<5.0	180	64	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-07	<5.0	200	75	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-07	6.2	300	120	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	210	99	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-06	<5.0	200	120	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	180	140	6.2	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	210	98	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Nov-05	<5.0	200	98	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
T-14A ZA																				
Oct-14	<0.50	3.6	62	5.1	--	29	<0.50	<0.50	0.70	<0.50	<1.0 *	<0.50 *	<0.50	<1.0	2.0	<0.50	--	--	--	--
Apr-14	<0.50	4.1	43	4.2	--	22	<0.50	<0.50	0.53	<0.50	<1.0	<0.50	<0.50	<1.0	1.5	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	<0.50	2.0	53	6.3		35	<0.50	0.29 J	0.78		<1.0	<0.50	<0.50	<1.0	2.1	0.19 J	NA	NA	NA	NA
May-13	<0.50	4.2	33	4.4		25	<0.50	<0.50	0.63		<1.0	<0.50	<0.50	<1.0	2.1	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-12	<0.50	0.96	27	3.8		26	<0.50	<0.50	0.71	<0.50	<1.0	<0.50	<0.50	<1.0	2	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-12	<0.50	3.0	42	3.1		16	<0.50	<0.50	0.51	<0.50	<1.0	<0.50	<0.50	<1.0	2.3	0.86	<0.50	<0.50	<0.50	<1.0
Oct-11	<0.50	28	38	2.8	--	6.7	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.0	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	<0.50	36	42	2.4	--	9.0	<0.50	<0.50	0.60	<0.50	<1.0	<0.50	<0.50	<1.0	1.9	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-10	<0.50	28	37	2.2	--	9.7	<0.50	<0.50	0.51	<0.50	<1.0	<0.50	<0.50	<1.0	1.7	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	9.0	16	1.9	--	7.4	<0.50	<0.50	0.53	<0.50	<1.0	<0.50	<0.50	<1.0	1.8	1.9	<0.50	<0.50	0.54	<1.0
Feb-09	<0.50	6.2	15	2.0	--	7.8	<0.50	<0.50	0.59	<0.50	<1.0	<0.50	<0.50	<1.0	2.4	2.2	NA	NA	NA	NA
Oct-08	<20	<20	45	<20	--	<20	<20	<20	<20	<20	<40	<20	<20	<40	<20	<20	<20	<20	1300	<40
Oct-07	<5.0	54	200	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-07	<5.0	120	51	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-07	<5.0	160	58	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	200	57	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	6.8	140	92	8	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	150	63	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Nov-05	<5.0	130	59	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
T-15A ZA																				
Oct-14	2.2	140	51	3.4	--	<0.50	<0.50	0.83	0.54	<0.50	<1.0	<0.50	<0.50	<1.0	1.5	<0.50	--	--	--	--
Apr-14	1.9	100	49	2.7	--	<0.50	<0.50	0.59	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.1	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	2.0	100	62	2.9		0.46 J	0.35 J	0.70	0.49 J		<1.0	<0.50	0.36 J	<1.0	1.2	<0.50	NA	NA	NA	NA
May-13	1.8	100	50	2.7		<0.50	<0.50	0.61	<0.50		<1.0	<0.50	<0.50	<1.0	1.0	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-12	<2.5	130	62	3.8		<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Apr-12	2.2	130	58	3.2		<0.50	<0.50	0.64	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.1	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	3	130	61	3.8	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-10	1.3	110	48	2.2	--	0.50	<0.50	0.54	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.91	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	92	37	2.4	--	0.61	<0.50	0.64	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.90	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	1.6	140	53	2.2	--	1.5	<1	<1	<1	<1	<2	<1	<1	<2	<1	<1	<1	<1	<1	<2
Oct-07	<5.0	160	75	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-07	<5.0	130	63	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
May-07	<5.0	140	66	<5.0	--	8.2	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-07	5.2	170	87	<5.0	--	7.4	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	140	66	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-06	<5.0	130	91	<5.0	--	8.2	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	51	140	11	--	29	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	<5.0	110	<5.0	--	83	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Nov-05	<5.0	8.2	160	<5.0	--	37	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
T-16A ZA																				
Oct-14	1.7	97	78	3.7	--	2.5	<0.50	0.70	0.58	<0.50	<1.0	<0.50	<0.50	<1.0	1.7	<0.50	--	--	--	--
Oct-13	1.2	94	69	3.6		3.2	0.20 J	0.58	0.58		<1.0	<0.50	0.23 J	<1.0	1.4	<0.50	NA	NA	NA	NA
Oct-12	1	68	63	3.2		2.1	<0.50	0.57	0.5	<0.50	<1.0	<0.50	<0.50	<1.0	1.1	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	1.6	91	67	2.9	--	0.53	<0.50	0.7	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.5	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	0.81	72	64	2.2	--	0.76	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.89	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	0.59	40	44	2.2	--	0.84	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.61	<0.5	0.6	<0.50	0.56 B	<1.0
Oct-08	0.9	63	77	2.3	--	2.6	<0.5	0.53	<0.5	<0.5	<1	<0.5	<0.5	<1	1.4	<0.5	<0.5	<0.5	<0.5	<1
Oct-07	<5.0	79	160	<5.0	--	8.8	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.1	NA	<5.0	<5.0	<5.0	<5.0	<15
May-07	<5.0	120	71	<5.0	--	7.3	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	80	100	<5.0	--	8.2	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	17	160	9.5	--	26	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	20	120	<5.0	--	45	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Nov-05	<5.0	24	160	<5.0	--	32	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
T-17A ZA																				
Oct-14	0.88	62	30	0.57	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0 *	<0.50 *	<0.50	<1.0	<0.50	<0.50	--	--	--	--
Apr-14	0.87	57	16	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	1.3	86	21	0.42 J		<0.50	<0.50	0.25 J	0.35 J		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
May-13	0.80	71	14	<0.50		<0.50	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-12	1.3	92	4.5	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.62	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-12	1.3	96	5.8	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Nov-11	1.7	110	6.6	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-19A ZA																				
Oct-14	<0.50	<0.50	15	1.9	--	11	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.93	1.8	--	--	--	--
Apr-14	<0.50	<0.50	3.7	1.4	--	3.1	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.75	1.3	<0.50	<0.50	<0.50	<1.0
Oct-13	<0.50	<0.50	2.6	0.87		2.3	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	0.92	2.6	NA	NA	NA	NA
May-13	<0.50	<0.50	3.4	0.84		4.3	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	0.98	2.0	<0.50	<0.50	<0.50	<1.0
Oct-12	<0.50	<0.50	9.1	1.3		5.6	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.8	3.8	<0.50	<0.50	0.8	<1.0
Apr-12	<0.50	<0.50	2.1	1.2		0.92	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.60	4.3	<0.50	<0.50	0.77	<1.0
Oct-11	<0.50	4.1	16	1.60	--	10	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.80	1.3	<0.50	<0.50	<0.50	1
Oct-10	<0.50	0.89	7.7	0.72	--	10	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.87	1.2	<0.50	<0.50	<0.50	<1.0
Apr-10 Dup	<0.50	0.89	1.6	<0.50	--	0.81	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.56	1.1	<0.50	<0.50	<0.50	<1.0
Apr-10	<0.50	0.98	1.6	<0.50	--	0.88	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.65	1.3	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	<0.50	4.6	0.84	--	2.8	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.3	3.9	<0.50	<0.50	<0.50	<1.0
Feb-09 Dup	<0.50	<0.50	2.6	0.78	--	1.4	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.2	6.3	NA	NA	NA	NA
Feb-09	<0.50	<0.50	1.9	0.65	--	1.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.0	6.0	NA	NA	NA	NA
Oct-08	<50	<50	<50	<50	--	<50	<50	<50	<50	<50	<100	<50	<50	<100	<50	<50	<50	<50	3500	<100
Oct-07	<5.0	53	140	<5.0	--	8	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Sep-07	<5.0	140	55	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
T-23A ZA																				
Oct-14	<0.50	32	51	3.3	--	6.5	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	--	--	--	--
Apr-14	<0.50	45	60	6.0	--	7.1	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	<0.50	19	54	12		7.6	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
May-13	<0.50	48	57	4.4		7.6	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-12	<0.50	36	73	2.4		6.6	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-12	<0.50	2.0	58	2.0		3.2	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.1	0.79	<0.50	<0.50	3.5	<1.0
Apr-12 Dup	<0.50	2.0	61	1.9		3.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.0	0.76	<0.50	<0.50	3.3	<1.0
Oct-11	0.62	62	39	4.2	--	2.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	0.60	51	37	4.3	--	3.5	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.56	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-10	<0.50	41	19	2.8	--	2.0	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.54	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	11	14	2.0	--	3.1	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	0.55	ND	<0.50	<0.50	<0.50	<1.0
Feb-09	<0.50	17	29	2.1	--	9.7	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.5	1.8	NA	NA	NA	NA
Oct-08	<10	16	12	<10	--	<10	<10	<10	<10	<10	<20	<10	<10	<20	<10	<10	<10	<10	890	<20
Oct-07	<5.0	130	120	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Sep-07	7.7	210	21	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
T-25A ZA																				
Oct-14	<0.50	4.0	39	4.1	--	35	<0.50	<0.50	0.60	<0.50	<1.0	<0.50	<0.50	<1.0	2.3	<0.50	--	--	--	--
Apr-14	<0.50	0.50	32	4.0	--	35	<0.50	<0.50	0.59	<0.50	<1.0	<0.50	<0.50	<1.0	2.0	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	<0.50	0.57	27	4.7		42	<0.50	<0.50	0.75		<1.0	<0.50	<0.50	<1.0	2.5	<0.50	NA	NA	NA	NA
May-13	<0.50	1.4	22	3.4		22	<0.50	<0.50	0.65		<1.0	<0.50	<0.50	<1.0	2.2	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-12	<0.50	0.86	10	3.5		12	<0.50	<0.50	0.71	<0.50	<1.0	<0.50	<0.50	<1.0	2.3	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-12	<0.50	1.1	19	2.7		7.3	<0.50	<0.50	0.52	<0.50	<1.0	<0.50	<0.50	<1.0	3.1	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	1.5	63	50	3.0	--	2.1	<0.50	0.51	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.8	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	0.8	47	50	2.5	--	7.3	<0.50	<0.50	0.55	<0.50	<1.0	<0.50	<0.50	<1.0	2.1	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-10	1.0	39	34	2.3	--	6.8	<0.50	<0.50	<0.50	<0.50	<1.0	0.5	<0.50	<1.0	2.5	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	ND	26	17	2.0	--	3.3	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.3	<0.50	<0.50	<0.50	<0.50	<1.0
Feb-09	1.3	41	42	2.3	--	9.7	<0.50	<0.50	0.55	<0.50	<1.0	<0.50	<0.50	<1.0	3.3	<0.50	NA	NA	NA	NA
Oct-08	1.0	42	38	2.2	--	7.6	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<1	4.2	<0.5	<0.5	<0.5	<0.5	<1
Oct-07	<5.0	66	160	<5.0	--	9.6	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Sep-07	5.5	160	52	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
36S ZA																				
Oct-14	2.2	73	13	0.8	--	1.7	0.6	0.6	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-13	2.3	74	8.1	<0.5	--	<0.5	0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-12	2.0 J	1	10	<0.5	--	<0.5	0.6	0.5	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-11	1.8 J	73	8	<0.5	--	<0.5	0.7	0.5	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-10+	2.0	75	11	0.6	--	<0.5	0.7	0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-09+	2.2	80	9.3	<0.5	--	<0.5	0.6	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-08+	2.4	98	13	0.6	--	<0.5	0.7	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-07+	1.5	70	15	0.9	--	<0.7	<0.7	0.8	<0.7	ND	ND	ND	<0.7	ND	<0.7	<0.7	NA	NA	NA	NA
Oct-06+	2.6	98	20	0.9	--	<0.5	0.9	0.6	<0.5	ND	ND	ND	0.8	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-05+	2.1	91	22	0.8	--	<1.0	1.1	0.6	<0.5	ND	ND	ND	0.6	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-04+	1.8	91	34	1.1	--	<0.5	1.1	0.6	0.5	ND	ND	ND	1.9	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-03+	1.7	100	53	1.6	--	1.1	1.2	0.7	0.7	ND	ND	ND	<1.0	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-02+	1.8	140	70	1.9	--	<0.5	1.7	0.8	0.7	ND	ND	ND	1.2	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-01+	2.1	140	110	2.8	--	<0.5	2.5	1.1	1.0	ND	ND	ND	1.8	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-00+	1.3	83	100	5.6	--	<1.0	1.6	1.2	0.9	ND	ND	ND	1.8	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-99	1.2	50	83	4.4	--	<1.0	1.7	<1.0	<1.0	ND	ND	ND	1.0	ND	<1.0	<1.0	NA	NA	NA	NA
Oct-97+	<0.5	20	16	5.2	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-96	0.7	25	6.1	3.0	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-95	<1.0	21	--	--	<1.0	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	<1.0	NA	NA	NA	NA
Oct-94	<5.0	19	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	<5.0	NA	NA	NA	NA
Oct-93	<2.5	66	--	--	<2.5	<5.0	<2.5	<2.5	<2.5	ND	ND	ND	<2.5	ND	<2.5	<2.5	NA	NA	NA	NA
Oct-92	2.1	35	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-89	4	130	--	--	13	<0.5	5.7	0.8	<0.5	--	--	--	2	ND	<0.5	--	--	--	--	--
May-88	3.9	140	--	--	26	<1.0	20	3.3	1.6	--	--	--	13	ND	1.8	--	--	--	--	--
Jan-88	5.8	170	--	--	15	<1.0	23	3.8	1.3	--	--	--	14	ND	<1.0	--	--	--	--	--
Oct-87	3.5	160	--	--	10	<1.0	20	2.5	1.7	--	--	--	14	ND	<1.0	--	--	--	--	--
Jun-87	<1.0	170	--	--	11	<1.0	15	1.6	<1.0	--	--	--	8.2	ND	<1.0	--	--	--	--	--
Apr-87	4	200	--	--	12	<2.5	34	6	<2.5	--	--	--	19	ND	<2.5	--	--	--	--	--
Jan-87	<10	140	--	--	<10	<10	34	<10	<10	--	--	--	28	ND	<10	--	--	--	--	--
Sep-86	5.3	200	--	--	5.75	<1.0	27.5	2.9	2.1	--	--	--	16.5	ND	7.95	--	--	--	--	--
Jul-86	3.3	59	--	--	7.7	<0.5	32	3.2	1.6	--	--	--	15	ND	<0.5	--	--	--	--	--
Apr-86	3.4	130	--	--	10	<0.5	36	3.5	1.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-86	11	190	--	--	25	<2.0	42	3.4	<2.0	--	--	--	<2.0	ND	<2.0	--	--	--	--	--
Oct-85	<5.0	250	--	--	23	<5.0	65	<5.0	<5.0	--	--	--	90	ND	ND	--	--	--	--	--
Nov-84	4.7	150	--	--	8.8	NA	19	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Aug-84	8	230	--	--	12	ND	23	2	ND	--	--	--	40	ND	ND	--	--	--	--	--
Mar-84	NA	360	--	--	NA	NA	NA	NA	NA	--	--	--	NA	ND	NA	--	--	--	--	--
Aug-83	19	470	--	--	<1.0	ND	36	16	<1.0	--	--	--	<1.0	ND	ND	--	--	--	--	--
May-83	ND	82	--	--	ND	ND	ND	ND	ND	--	--	--	ND	ND	ND	--	--	--	--	--
Apr-83	13	400	--	--	23	ND	16	ND	ND	--	--	--	12	ND	ND	--	--	--	--	--
Aug-82	10	590	--	--	55	ND	19	<2.0	<2.0	--	--	--	2	ND	ND	--	--	--	--	--
Jun-82	18	710	--	--	<10	ND	42	<10	<10	--	--	--	19	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
36D ZA																				
Oct-14	1.8	56	23	0.9	--	<0.5	<0.5	0.6	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-13	1.3	38	28	0.8	--	<0.5	<0.5	0.6	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-11	1.6 J	47	29	1.0	--	<0.5	<0.5	0.6	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-11	0.7 J	29	34	1.2	--	<0.5	<0.5	0.7	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-10+	1.4	47	34	1.2	--	<0.5	<0.5	0.7	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-09+	<0.5	19	40	1.1	--	<0.5	<0.5	0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-08+	0.7	27	5.8	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-07+	<0.5	17	6.1	<0.5	--	<0.5	<0.5	<0.5	<0.5	0.8	ND	ND	<0.5	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-06+	2.1	92	42	1.6	--	0.6	0.9	1.0	0.7	ND	ND	ND	1.2	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-05+	<0.5	4.6	1.5	<0.5	--	0.5	<0.5	<0.5	<0.5	ND	ND	ND	<1.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-04+	1.6	85	46	1.7	--	2.4	1.1	0.8	0.6	ND	ND	ND	1.7	ND	0.8	ND	NA	NA	NA	NA
Apr-04	<1.0	45	27	2.5	--	12	<1.0	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<2.0
Oct-03+	1.7	110	57	1.5	--	0.9	1.3	0.9	0.8	ND	ND	ND	1.1	ND	0.8	ND	NA	NA	NA	NA
Apr-03	<1.0	69	40	<1.0	--	8.2	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-02+	1.8	150	90	2.3	--	<0.5	1.7	1.2	1.0	ND	ND	ND	1.9	ND	1.1	ND	NA	NA	NA	NA
Oct-01+	0.9	67	48	1.1	--	<0.5	1.2	0.6	<0.5	ND	ND	ND	1.4	<1.0	<0.5	ND	NA	NA	NA	NA
Oct-00+	1.6	110	97	2.2	--	<1.0	1.9	1.0	0.8	ND	ND	ND	1.6	ND	0.7	ND	NA	NA	NA	NA
Oct-00 Dup+	1.6	100	91	2.5	--	<1.0	1.8	1.1	0.7	ND	ND	ND	1.5	ND	0.7	ND	NA	NA	NA	NA
Oct-99	<2.0	85	120	2.7	--	<2.0	2.6	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Apr-98+	<5.0	81	130	<5.0	--	<5.0	NA	<5.0	<5.0	ND	ND	ND	<20	ND	<5.0	ND	NA	NA	NA	NA
Oct-97+	<0.5	52	91	1.2	--	<0.5	2.1	<0.5	0.9	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-96	1.2	48	34	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	0.6	ND	NA	NA	NA	NA
Oct-95	<1.0	25	--	--	2.1	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	66	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<5.0	94	--	--	<5.0	<10	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-92	2.1	92	--	--	6.4	<1.0	1.0	<0.5	<0.5	ND	ND	ND	NA	ND	1.6	ND	NA	NA	NA	NA
Apr-92	4.0	180	--	--	25	<1.0	3.0	1.0	2.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Jan-92	1.6	170	--	--	48	<1.0	2.9	<1.0	<1.0	ND	ND	ND	<1.0	ND	1.6	ND	NA	NA	NA	NA
Oct-91	2.5	120	--	--	41	<0.5	2.2	1.8	1.2	ND	ND	ND	0.6	ND	2.3	ND	NA	NA	NA	NA
Jul-91	2.0	130	--	--	32	<1.0	1.0	<1.0	1.0	ND	ND	ND	1.0	ND	3.0	ND	NA	NA	NA	NA
Apr-91	<2.0	180	--	--	48	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Jan-91	2.0	120	--	--	39	<1.0	1.0	1.0	1.0	ND	ND	ND	<1.0	ND	3.0	ND	NA	NA	NA	NA
Oct-90	2.6	120	--	--	37	<0.5	2.7	<0.5	<0.5	ND	ND	ND	<0.5	ND	2.1	ND	NA	NA	NA	NA
Jul-90	2.7	110	--	--	31	<0.5	2.7	1.3	0.9	ND	ND	ND	1.3	ND	5.0	ND	NA	NA	NA	NA
Apr-90	3.0	170	--	--	18	<1.0	2.0	1.0	<1.0	ND	ND	ND	<1.0	ND	4.0	ND	NA	NA	NA	NA
Jan-90	3.0	170	--	--	26	<1.0	4.0	2.0	<1.0	ND	ND	ND	1.0	ND	4.0	ND	NA	NA	NA	NA
Oct-89	4.3	120	--	--	23	<0.5	9.6	2.7	0.8	--	ND	--	7.4	ND	<0.5	--	--	--	--	--
Aug-89	4	200	--	--	27	<2.0	10	6	<2.0	--	ND	--	7	ND	8	--	--	--	--	--
May-89	<2.5	<2.5	--	--	<2.5	<2.5	<2.5	<2.5	<2.5	--	ND	--	<2.5	ND	<2.5	--	--	--	--	--
Feb-89	<5.0	180	--	--	36	<5.0	8	<5.0	<5.0	--	ND	--	12	ND	<5.0	--	--	--	--	--
Feb-89	<2.0	61	--	--	21	<2.0	4	<2.0	<2.0	--	ND	--	<2.0	ND	5	--	--	--	--	--
Feb-89	<2.0	51	--	--	17	<2.0	3	<2.0	<2.0	--	ND	--	<2.0	ND	3	--	--	--	--	--
Nov-88	3.2	180	--	--	37	<1.0	14	3.5	1.6	--	ND	--	16	ND	13	--	--	--	--	--
Aug-88	5	150	--	--	53	<1.0	30	5.6	2.8	--	ND	--	34	ND	11	--	--	--	--	--
May-88	4.2	170	--	--	47	<1.0	31	5.5	2.6	--	ND	--	20	ND	11	--	--	--	--	--
Jan-88	4.1	100	--	--	20	<1.0	34	3.5	1.9	--	ND	--	30	ND	9.4	--	--	--	--	--
Oct-87	3.3	68	--	--	16	<0.5	29	3.4	2.3	--	ND	--	22	ND	14	--	--	--	--	--
Jun-87	5.9	170	--	--	14	<1.0	22	2.9	1.9	--	ND	--	21	ND	24	--	--	--	--	--
Apr-87	3	160	--	--	13	<1.0	25	4.7	1.7	--	ND	--	16	ND	18	--	--	--	--	--
Jan-87	<10	170	--	--	<10	<10	28	<10	<10	--	ND	--	54	ND	<10	--	--	--	--	--
Sep-86	20	170	--	--	8.6	<1.0	40	5.1	3.5	--	ND	--	17	ND	18	--	--	--	--	--
Jul-86	3.6	60	--	--	10	<0.5	43	4.8	2.3	--	ND	--	25	ND	<0.5	--	--	--	--	--
Apr-86	3	130	--	--	12	<0.5	39	4.3	1.9	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Oct-85	16	220	--	--	17	<5.0	77	<5.0	<5.0	--	ND	--	120	ND	<5.0	--	--	--	--	--
Nov-84	4.2	160	--	--	10	NA	26	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	6	180	--	--	12	ND	19	2	ND	--	ND	--	30	ND	ND	--	--	--	--	--
Mar-84	NA	260	--	--	NA	NA	NA	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-83	15	600	--	--	18	NA	36	13	16	--	ND	--	<1.0	ND	NA	--	--	--	--	--
Jul-83	8	650	--	--	38	ND	18	2	2	--	ND	--	ND	ND	ND	--	--	--	--	--
May-83	14	9,200	--	--	ND	ND	18	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
Aug-82	6.8	500	--	--	52	ND	19	<2.0	<2.0	--	ND	--	<2.0	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
37S ZA																				
Oct-14	0.8	83	2.7	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-13	1.0	95	1.6	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-12	0.8 J	63	2.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-11	0.8 J	63	2.3	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<5.0	NA	NA	NA	NA	NA
Oct-10+	0.9	60	3.7	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-09+	1.4	91	2.2	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-08+	1.1	81	3.6	<0.5	--	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-07+	1.0	81	2.4	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	1.8	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-05+	1.0	91	5.2	<0.7	--	<0.7	<0.7	<0.7	<0.7	ND	ND	ND	<1.4	ND	<0.7	ND	NA	NA	NA	NA
Oct-04+	1.2	11	3.3	<0.7	--	<0.7	<0.7	<0.7	<0.7	ND	ND	ND	1.9	ND	<0.7	ND	NA	NA	NA	NA
Oct-03+	1.3	160	2.9	<0.6	--	<0.6	<0.6	<0.6	<0.6	ND	ND	ND	<1.3	ND	<0.6	ND	NA	NA	NA	NA
Oct-02+	0.9	170	3.7	<0.7	--	<0.7	<0.7	<0.7	<0.7	ND	ND	ND	<1.4	ND	<0.7	ND	NA	NA	NA	NA
Oct-01	<5.0	140	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<20	ND	<5.0	ND	NA	NA	NA	NA
Oct-00+	1.2	200	9.7	<0.5	--	1.8	<0.5	<0.5	<0.5	ND	ND	ND	2.1	ND	<0.5	ND	NA	NA	NA	NA
Oct-99	<5.0	180	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-97+	<2.5	260	12	<2.5	--	<2.5	<2.5	<2.5	<2.5	ND	ND	ND	<2.5	ND	<2.5	ND	NA	NA	NA	NA
Oct-96	1.2	270	6.3	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	2.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-95	<1.0	380	--	--	7.1	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	3.8	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	330	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<5.0	400	--	--	8.0	<10	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Jun-88	<1.0	150	--	--	170	<1.0	5.8	<1.0	<1.0	--	--	ND	<1.0	ND	<1.0	--	--	--	--	--
Jan-88	<10	1,100	--	--	34	<10	<10	<10	<10	--	--	ND	95	ND	<10	--	--	--	--	--
Jan-87	<5.0	600	--	--	25	<5.0	<5.0	<5.0	<5.0	--	--	ND	52	ND	<5.0	--	--	--	--	--
Nov-84	6.6	1,300	--	--	32	NA	3.2	NA	NA	--	--	ND	NA	ND	NA	--	--	--	--	--
Aug-84	8	760	--	--	52	ND	4	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--
Mar-84	NA	1,400	--	--	NA	NA	NA	NA	NA	--	--	ND	NA	ND	NA	--	--	--	--	--
Sep-83	37	4,200	--	--	290	NA	4	ND	ND	--	--	ND	190	ND	NA	--	--	--	--	--
Sep-83	47	3,500	--	--	240	NA	5	ND	ND	--	--	ND	14	ND	NA	--	--	--	--	--
Aug-83	34	41,000	--	--	4,600	5	13	2.0	1.6	--	--	ND	<1.0	ND	ND	--	--	--	--	--
May-83	ND	270	--	--	17	ND	ND	ND	ND	--	--	ND	ND	ND	ND	--	--	--	--	--
Apr-83	10	330	--	--	77	ND	ND	ND	ND	--	--	ND	120	ND	ND	--	--	--	--	--
Aug-82	9	1,400	--	--	27	ND	13	<2.0	<2.0	--	--	ND	78	ND	ND	--	--	--	--	--
Jun-82	<10	2,600	--	--	<10	ND	<10	<10	<10	--	--	ND	370	ND	ND	--	--	--	--	--
38S ZA																				
Oct-14	<0.50	45	200	2.3	--	12	<0.50	0.9	<0.50	<0.50	<1.0	<0.50	1.3	<1.0	<0.50	<0.50	NA	NA	NA	NA
Oct-13	0.93	96	150	1.7	--	7.4	<0.50	0.70	0.36 J	<0.50	<1.0	<0.50	1.4	<1.0	<0.50	<0.50	NA	NA	NA	NA
May-13	<2.5	60	180	<2.5	--	7.2	<2.5	<2.5	<2.5	<0.50	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-12	0.84	91	200	2.5	--	11	<0.50	0.84	<0.50	<0.50	<1.0	<0.50	1.8	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Apr-12	<0.50	32	120	1.4	--	11	<0.50	0.60	<0.50	<0.50	<1.0	<0.50	0.80	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	<2.5	130	140	<2.5	--	6.7	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-10	1.3	150	130	1.8	--	5.7	<0.50	0.50	<0.50	<0.50	<1.0	<0.50	1.5	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	1.5	150	120	2.8	--	6.3	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	0.65	50	82	2.4	--	30	<0.5	<0.5	<0.5	<0.5	<1	<0.5	1.0	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1
Oct-07	1.3	85	50	0.82	--	16	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	0.61	<1.0	<0.5	<1.0	<0.5	<0.5	<0.5	<1.0
Oct-06	1.5	130	33	<1.0	--	5.8	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
Oct-05	2.0	140	68	1.5	--	14	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
Oct-04	<5.0	190	190	<5.0	--	6.9	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-03	<1.0	51	110	1.2	--	21	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<4.0	<1.0	<1.0	NA	NA	NA	NA
Oct-02	2.6	240	200	6.3	--	8.6	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	3.5	<8.0	<2.0	<2.0	NA	NA	NA	NA
Oct-01	<5.0	170	120	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<20	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-00	<20	240	240	<20	--	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NA	NA	NA	NA
Oct-99	<5.0	270	240	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-97+	<5.0	160	520	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-96	<1.7	440	540	4.0	--	<1.7	<1.7	2.7	<1.7	ND	ND	ND	2.9	ND	<1.7	ND	NA	NA	NA	NA
Oct-95	<10	1,100	--	--	180	<20	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Oct-94	<5.0	910	--	--	190	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
May-88	<25	3,400	--	--	240	<25	<25	<25	<25	--	ND	--	95	ND	<25	--	--	--	--	--
Jan-88	<50	2,900	--	--	240	<50	<50	<50	<50	--	ND	--	<50	ND	<50	--	--	--	--	--
Oct-87	<25	2,400	--	--	270	<25	<25	<25	<25	--	ND	--	100	ND	<25	--	--	--	--	--
Jun-87	260	2,200	--	--	910	<10	13	<10	<10	--	ND	--	83	ND	<10	--	--	--	--	--
Apr-87	26	2,700	--	--	420	<10	74	<10	<10	--	ND	--	91	ND	<10	--	--	--	--	--
Jan-87	<10	2,500	--	--	220	<10	<10	<10	<10	--	ND	--	180	ND	<10	--	--	--	--	--
Sep-86	<25	4,600	--	--	120	<25	<25	<25	<25	--	ND	--	150	ND	<25	--	--	--	--	--
Jul-86	<5.0	2,800	--	--	200	<5.0	<5.0	<5.0	<5.0	--	ND	--	250	ND	<5.0	--	--	--	--	--
Oct-85	45	3,700	--	--	410	<25	33	<25	<25	--	ND	--	590	ND	<25	--	--	--	--	--
Nov-84	28	3,200	--	--	510	NA	20	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	28	1,400	--	--	1100	ND	5	3	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
Mar-84	NA	3,500	--	--	NA	NA	NA	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Sep-83	59	2,700	--	--	970	ND	<2.0	<4.0	1	--	ND	--	140	ND	ND	--	--	--	--	--
Sep-83	72	6,300	--	--	1700	ND	<2.0	4	3	--	ND	--	120	ND	ND	--	--	--	--	--
May-83	23	2,000	--	--	350	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
Aug-82	17	2,200	--	--	300	ND	<2.0	<2.0	<2.0	--	ND	--	35	ND	ND	--	--	--	--	--
Aug-82	76	40,000	--	--	3100	3	6.4	2	2.6	--	ND	--	<1.0	ND	ND	--	--	--	--	--
Jun-82	<10	1,250	--	--	<10	ND	<10	<10	<10	--	ND	--	103	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
EDUCTOR-11 ZA																				
Sep-14	<500	<500	43,000	<500	--	2,900	<500	<500	<500	<500	<1000	<500	<500	<1000	530	<500	--	--	--	--
Apr-14	<500	<500	20,000	<500	--	1,600	<500	<500	<500	<500	<1000	<500	<500	<1000	<500	<500	<500	<500	<500	<1000
Oct-13	<500	<500	29,000	<500	--	1,800	<500	<500	<500	--	<1000	<500	<500	<1000	<500	<500	NA	NA	NA	NA
May-13	<1000	1,000	37,000	<1,000	--	2,900	<1000	<1000	<1000	--	<2000	<1000	<1000	<2000	<1000	<1000	<1000	<1000	<1000	<2000
Oct-12	<1,000	1,200	83,000	<1,000	--	5,200	<1,000	<1,000	<1,000	<1,000	<2,000	<1,000	<1,000	<2,000	2,400	<1,000	<1,000	<1,000	<1,000	<2,000
Apr-12	<50	620	93,000	74	--	6,400	<50	110	<50	<50	<100	<50	<50	<100	880	190	<50	120	<50	430
Oct-11	<50	54	8,000	<50	--	1,100	<50	<50	<50	<50	<100	<50	<50	<100	<50	<50	<50	<50	<50	<100
May-11	<500	3,600	100,000	<500	--	11,000	<500	<500	<500	<500	<500	<500	<500	<500	1,500	<500	<500	<500	<500	<500
Mar-11	<500	1,100	94,000	<500	--	5,900	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
Nov-10	<500	670	29,000	<500	--	2,700	<500	<500	<500	<500	<1,000	<500	<500	<1,000	1,300	660	--	--	--	--
Oct-10	<200	2,100	78,000	<200	--	67,000	<200	<200	<200	<200	<400	<200	<200	<400	1,900	6900	<200	<200	<200	<400
Oct-09	<200	<200	34,000	<200	--	9,300	<200	<200	<200	<200	<400	<200	<200	<400	1,600	840	<200	230	<200	<400
Oct-08	<2000	100,000	23,000	<2000	--	28,000	<2000	<2000	<2000	<2000	<4000	<2000	<2000	<4000	3100	5200	<2000	<2000	<2000	<4000
Oct-07	55	3,500	8,300	120	--	15,000	<5.0	30	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	4,200	<5.0	<500	13	1,300
Apr-07	<5.0	5.1	29,000	200	--	28,000	<5.0	57	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	14	<5.0	<200	9.2	960
Oct-06	<100	<100	25,000	<100	--	9,800	<100	<100	<100	NA	<100	<100	NA	<100	NA	2,200	<100	290	<100	880
Apr-06	<5.0	<5.0	20,000	<500	--	8,500	<5.0	37	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	1,500	<5.0	160	5.7	200
Jan-06	150	4,800	2,300	30	--	12,000	<5.0	12	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	3,000	<5.0	<500	9.9	<1500
Oct-05	<250	<250	3,600	<250	--	3,900	<250	<250	<250	NA	<250	<250	NA	<250	NA	1,000	<250	<250	<250	<750
Sep-05	<250	<250	27,000	<250	--	18,000	<250	<250	<250	<250	<250	<500	<250	<250	420	2,900	NA	NA	NA	NA
Jul-05	82	2,200	27,000	150	--	15,000	<5.0	130	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	3,600	<5.0	<500	11	1,200
Jul-05-Dup	92	2,100	27,000	180	--	14,000	<5.0	140	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	3,500	<5.0	<500	11	1,100
Apr-05	23	490	19,000	160	--	33,000	<5.0	57	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	2,900	<5.0	340	8.7	1,180
Apr-05 Dup	23	430	19,000	160	--	35,000	<5.0	66	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	2,800	<5.0	330	9.6	1,180
Jan-05	<0.5	<0.5	4,700	180	--	4,400	<5.0	9.3	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	1,900	<5.0	200	<5.0	650
Oct-04	<5.0	<5.0	<5.0	9.3	--	28	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	1,200	<5.0	120	<5.0	380
Apr-04	<1.0	<1.0	<1.0	7	--	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Jan-04	<10	<10	<10	<10	--	<10	<10	<10	<10	NA	<10	<10	NA	<10	NA	<10	<10	<10	<10	<20
Oct-03	14	75	34	9.6	--	560	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	340	<5.0	32	<5.0	113
Oct-03 Dup	20	110	53	12	--	550	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	300	<5.0	39	<5.0	144
Jul-03	870	15,000	3,800	210	--	24,000	<1.0	120	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	97	NA	460	5.9	1,020
Jul-03 Dup	880	32,000	4,000	200	--	27,000	<1.0	120	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	98	NA	490	7.2	1,030
Apr-03	<1.0	11	570	12	--	4,500	<1.0	1.2	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	130	NA	35	1.9	63
Apr-03 Dup	<1.0	7.6	790	12	--	5,500	1.4	1.8	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	110	NA	46	1.8	56
Jan-03	21	670	9,400	34	--	5,700	7.2	27	<1.0	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	60	NA	NA	NA	NA
Jan-03 Dup	32	1,200	9,600	28	--	5,600	2.9	24	1.3	<1.0	<2.0	<2.0	<1.0	<1.0	<1.0	62	NA	NA	NA	NA
Oct-02	120	17,000	20,000	38	--	21,000	<1.0	32	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	40	2.9	62	4.0	249
Jul-02	62	2,600	6,400	30	--	2,400	<1.0	19	<1.0	NA	<2.0	<2.0	NA	ND	NA	13	NA	<50	<50	<100
Mar-02	170	3,800	8,000	<50	--	540	<50	NA	<50	NA	<50	<50	NA	ND	NA	<50	NA	<50	<50	<100
Jan-02	1,400	80,000	17,000	110	--	1,200	<50	<50	<50	NA	<50	<50	NA	ND	NA	400	NA	<50	<50	1,170
Nov-01	150	5,000	5,600	48	--	750	<5.0	8.0	<5.0	NA	<5.0	<5.0	NA	ND	NA	11	<5.0	42	<5.0	169
Oct-01	1,200	53,000	18,000	<1,000	--	<2,000	<1,000	<1,000	<1,000	NA	<2,000	<2,000	NA	<1,000	NA	<1,000	NA	<1,000	<1,000	<2,000
Aug-01	140	5,100	7,700	44	--	710	1.2	43	<1.0	NA	<2.0	<2.0	NA	ND	NA	39	NA	36	<1.0	100
Jun-01	7.9	230	15,000	140	--	6,100	15	66	3.3	NA	5.6	<2.0	NA	ND	NA	72	NA	63	3.8	97
Mar-01	19	310	14,000	110	--	1,500	12	2.0	35	NA	<2.0	<2.0	NA	ND	NA	20	NA	13	<1.0	179
Oct-00	<400	8,400	680	<400	--	<400	<400	<400	<400	<400	ND	ND	<400	ND	<400	<400	NA	NA	NA	NA
Oct-99	470	13,000	650	<250	--	<250	<250	<250	<250	ND	ND	ND	<250	ND	<250	<250	NA	NA	NA	NA
Apr-99	<1,000	11,000	<1,000	<1,000	--	<1,000	<1,000	<1,000	<1,000	ND	ND	ND	<1,000	ND	<1,000	<1,000	NA	NA	NA	NA
Oct-98	<500	17,000	740	<500	--	<500	<500	<500	<500	ND	ND	ND	<500	ND	<500	<500	NA	NA	NA	NA
Apr-98	520	20,000	810	<100	--	<100	<100	<100	<100	ND	ND	ND	<400	ND	<100	<100	NA	NA	NA	NA
Oct-97	<500	16,000	<500	<500	--	<500	<500	<500	<500	ND	ND	ND	<500	ND	<1000	<500	NA	NA	NA	NA
Apr-97	120	6,700	450	<31	--	<31	<31	<31	<31	ND	ND	ND	<31	ND	<31	ND	NA	NA	NA	NA
Oct-96	140	9,800	1,100	<50	--	<50	<50	<50	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Apr-96	440	23,000	--	--	1,106	100	<5.0	6.7	<5.0	ND	ND	ND	<5.0	ND	370	ND	NA	NA	NA	NA
Oct-95	670	46,000	--	--	1,100	<500	<250	<250	<250	ND	ND	ND	<250	ND	380	ND	NA	NA	NA	NA
Apr-95	<200	13,000	--	--	690	<400	<200	200	200	ND	ND	ND	<200	ND	<200	ND	NA	NA	NA	NA
Oct-94	260	12,000	--	--	370	<250	<250	<250	<250	ND	ND	ND	<250	ND	<250	ND	NA	NA	NA	NA
Apr-94	810	63,000	--	--	370	49	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Feb-94	520	28,000	--	--	150	1.0	1.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	10	ND	NA	NA	NA	NA
Oct-93	730	100,000	--	--	630	<100	<50	<50	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Aug-93	730	29,000	--	--	470	<100	<50	<50	<50	ND	ND	ND	<100	ND	<50	ND	NA	NA	NA	NA
Apr-93	1,200	26,000	--	--	1,103	3.5	1.9	2.2	<0.5	ND	ND	ND	NA	ND	15	ND	NA	NA	NA	NA
Jul-90	3.0	53	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-90	<0.5	12	--	--	<0.5	<0.5	1.2	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-90	<2.0	240	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Oct-89	3.3	60	--	--	2.8	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	3.3	--	--	--	--	--
May-89	51	970	--	--	120	<10	<10	<10	<10	--	ND	--	<10	ND	<10	--	--	--	--	--
Feb-89	3.6	62	--	--	1.6	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Dec-87	130	62	--	--	320	<50	<50	<50	<50	--	ND	--	<50	ND	<50	--	--	--	--	--
Oct-87	3,400	8,400	--	--	8,800	<1,000	<1,000	<1,000	<1,000	--	ND	--	<1,000	ND	<1,000	--	--	--	--	--
Jan-87	2,700	230,000	--	--	12,000	<500	<500	<500	<500	--	ND	--	<500	ND	6,700	--	--	--	--	--
Jul-86	2700	75,000	--	--	28,000	2,000	<250	<250	<250	--	ND	--	<250	ND	7,700	--	--	--	--	--
Apr-86	4200	24,000	--	--	14,000	530	<100	<100	<100	--	ND	--	<100	ND	9,200	--	--	--	--	--
Oct-85	13000	32,000	--	--	63,000	<250	<250	<250	<250	--	ND	--	<250	ND	<250	--	--	--	--	--
EDUCTOR-15 ZA																				
Sep-14	<1,000	<1,000	120,000	<1,000		5,700	<1,000	<1,000	<1,000	<1,000	<2,000	<1,000	<1,000	<2,000	1,400	1,600	--	--	--	--
Apr-14	<1,000	<1,000	50,000	<1,000		2,400	<1,000	<1,000	<1,000	<1,000	<2,000	<1,000	<1,000	<2,000	<1,000	<1,000	<1,000	<1,000	<1,000	<2000
Oct-13	<1,000	8,800	160,000	<1,000		<1,000	<1,000	<1,000	<1,000	<1,000	<2,000	<1,000	<1,000	<2,000	1,800	<1,000	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-1B ZB1																				
Per Water Board approval, well 1B was abandoned in February 2004.																				
Oct-02 Dup	<0.5	<0.5	1.7	0.76	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-02	<0.5	<0.5	1.8	0.79	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-01	<0.5	<0.5	1.4	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-00	<1.0	<1.0	1.5	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0	ND	<1.0	<1.0	NA	NA	NA	NA
Oct-99	<1.0	<1.0	1.4	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-98	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-97	<0.5	<0.5	1.3	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<1.0	ND	NA	NA	NA	NA
Oct-96	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	<1.0	--	--	<1.0	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-93	<0.5	<0.5	--	--	0.7	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	<0.5	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-92	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-89	<0.5	5	--	--	1.4	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Aug-89	<0.5	<0.5	--	--	0.6	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
May-89	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Feb-89	<0.5	<0.5	--	--	0.6	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Nov-88	<0.5	<0.5	--	--	1.4	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Aug-88	<0.5	<0.5	--	--	1.6	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
May-88	<0.5	<0.5	--	--	1.3	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-88	<0.5	<0.5	--	--	0.7	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Oct-87	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jun-87	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Apr-87	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-87	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Sep-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jul-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Apr-86	<0.5	1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	NA	ND	<0.5	--	--	--	--	--
Oct-85	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Nov-84	<0.5	<0.5	--	--	NA	NA	<0.5	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	ND	ND	--	--	ND	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
Mar-84	NA	<.5	--	--	NA	NA	NA	NA	NA	--	ND	--	NA	ND	ND	--	--	--	--	--
Aug-83	<1.0	<1.0	--	--	<1	<1.0	<1.0	<1.0	<1.0	--	ND	--	<1.0	ND	<1.0	--	--	--	--	--

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Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-2B ZB1																				
Sep-14	<2.5	<2.5	26	<2.5	--	60	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	9.3	28	--	--	--	--
Apr-14	<2.5	<2.5	12	<2.5	--	40	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	16	58	<2.5	<2.5	<2.5	<5.0
Oct-13	<0.50	<2.5	140	1.6	--	150	<0.50	<0.50	1.0	--	<1.0	<0.50	<0.50	<1.0	10	12	NA	NA	NA	NA
May-13	<0.50	0.76	80	6.3	--	77	<0.50	<0.50	0.76	--	<1.0	<0.50	<0.50	<1.0	6.7	11	<0.50	<0.50	<0.50	<1.0
Oct-12	<0.50	0.65	83	2.5	--	100	<0.50	<0.50	0.77	<0.50	<1.0	<0.50	<0.50	<1.0	5.7	14	<0.50	<0.50	<0.50	<1.0
Apr-12	<0.50	<0.50	38	1.0	--	34	<0.50	<0.50	0.53	<0.50	<1.0	<0.50	<0.50	<1.0	6.5	25	<0.50	<0.50	<0.50	<1.0
Oct-11	<0.50	0.72	79	2.1	--	140	<0.50	<0.50	0.72	<0.50	<1.0	<0.50	<0.50	<1.0	7.1	19	<0.50	<0.50	<0.50	1.5
May-11	<0.50	0.59	40	<0.50	--	82	<0.50	<0.50	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	7.5	22	<0.50	<0.50	<0.50	<0.50
Mar-11	<0.50	0.52	9.4	<0.50	--	46	<0.50	<0.50	0.7	<0.50	<0.50	<0.50	<0.50	<0.50	8.6	57	<0.50	<0.50	<0.50	3.2
Nov-10	<2.5	2.5	160	<2.5	--	290	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	23	39	--	--	--	--
Oct-10	<2.5	<2.5	200	<2.5	--	260	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	6.4	17	<2.5	<2.5	<2.5	<5.0
Oct-09	<20	<20	6,600	29	--	3,600	<20	<20	<20	<20	<40	<20	<20	<40	39	230	<20	<20	<20	<40
Oct-08	<2	<2	88	6	--	210	<2	<2	<2	<2	<4	<2	<2	<4	5.2	4.1	<2	<2	<2	<4
Oct-07	<5.0	<5.0	11	7.8	--	270	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	23	<5.0	<5.0	<5.0	<15
Apr-07	<5.0	<5.0	<5.0	<5.0	--	92	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	31	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	<5.0	<5.0	8.2	--	47	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	49	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	<5.0	5.9	11	--	24	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	49	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	<5.0	<5.0	7.0	--	22	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	67	<5.0	<5.0	<5.0	<15
Oct-05	<5.0	<5.0	6.2	<5.0	--	48	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	73	<5.0	<5.0	<5.0	<15
Jul-05	<5.0	5.1	<5.0	<5.0	--	16	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	94	<5.0	<5.0	<5.0	<15
Apr-05	<5.0	<5.0	43	<5.0	--	360	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	130	<5.0	<5.0	<5.0	<15
Jan-05	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	72	<5.0	<5.0	<5.0	<15
Oct-04	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	63	<5.0	<5.0	<5.0	<15
Apr-04	<1.0	<1.0	3.3	<1.0	--	5.4	<1.0	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0
Jan-04	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<5.0
Oct-03	<5.0	<5.0	5.2	<5.0	--	9.1	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	88	<5.0	<5.0	<5.0	<10
Jul-03	<1.0	2.6	2.8	<1.0	--	5.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	71	NA	90	<1.0	4.1
Apr-03	<1.0	28	7.6	<1.0	--	41	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	60	NA	7.8	<1.0	2.1
Jan-03	<1.0	33	30	<1.0	--	14	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	66	NA	NA	NA	NA
Oct-02	<1.0	54	46	<1.0	--	170	<1.0	2.5	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	66	2.0	<1.0	1.8	<2.0
Jul-02	<1.0	<1.0	90	<1.0	--	150	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	67	NA	<1.0	<1.0	<2.0
Apr-02	2.7	24	210	6.2	--	190	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	5.9	NA	<1.0	<1.0	<2.0
Jan-02	<10	18	67	<10	--	210	<10	<10	<10	NA	<20	<20	NA	ND	NA	78	NA	<10	11	<20
Oct-01	<50	940	250	180	--	540	<50	<50	<50	NA	<100	<100	NA	<50	NA	<50	NA	90	<50	<100
Oct-01 Dup	<50	580	140	<50	--	700	<50	<50	<50	NA	<100	<100	NA	90	NA	<50	NA	120	<50	<100
Aug-01	2.5	77	680	12	--	800	<1.0	2.5	<1.0	NA	<2.0	<2.0	NA	ND	NA	20	NA	<1.0	<1.0	<2.0
Jun-01	<1.0	5.8	1,500	16	--	1,400	2.6	5.5	1.7	NA	3.1	<2.0	NA	ND	NA	1.7	NA	<1.0	<1.0	<2.0
Apr-01	1.6	14	440	8.7	--	980	<1.0	1.2	<1.0	NA	<2.0	<2.0	NA	ND	NA	2.6	NA	<1.0	<1.0	<2.0
Feb-01	23	31	880	12	--	1,300	<1.0	3.5	<1.0	NA	<2.0	<2.0	NA	ND	NA	1.6	NA	<1.0	<1.0	8.5
Dec-00	<1.0	2.9	53	9.3	--	1,000	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	1.6	NA	<1.0	<1.0	<2.0
Nov-00	<1.0	11	2,300	15	--	300	<1.0	9.5	1.2	NA	<2.0	<2.0	NA	ND	NA	2.0	NA	<1.0	<1.0	<2.0
Oct-00	110	520	2,200	<50	--	340	<50	<50	<50	NA	ND	ND	NA	ND	NA	1.4	NA	<1.0	<1.0	<2.0
Oct-99	55	430	800	<10	--	35	<10	<10	<10	ND	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-98	81	720	1,000	<25	--	110	<25	<25	<25	ND	ND	ND	<25	ND	<25	<25	NA	NA	NA	NA
Apr-98	100	670	1,700	<20	--	300	<20	<20	<20	ND	ND	ND	<80	ND	<20	<20	NA	NA	NA	NA
Oct-97	220	820	3,000	<50	--	200	<50	<50	<50	ND	ND	ND	<50	ND	<100	<50	NA	NA	NA	NA
Oct-97 Dup	220	810	2,800	<50	--	170	<50	<50	<50	ND	ND	ND	<50	ND	<100	ND	NA	NA	NA	NA
Apr-97	170	690	1,400	14	--	230	<13	<13	<13	ND	ND	ND	<13	ND	24	ND	NA	NA	NA	NA
Oct-96	200	880	3,000	21	--	190	<10	19	<10	ND	ND	ND	<10	ND	15	ND	NA	NA	NA	NA
Apr-96	300	1,500	--	--	1,313	230	<2.5	13	<2.5	ND	ND	ND	<2.5	ND	4.9	ND	NA	NA	NA	NA
Oct-95	180	840	--	--	1,400	130	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Aug-95	<40	770	--	--	2,500	540	<40	<40	<40	ND	ND	ND	<40	ND	<40	ND	NA	NA	NA	NA
Oct-94	<25	590	--	--	150	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Apr-94	330	1,500	--	--	3,134	<5	7	32	<5.0	ND	ND	ND	1.1	ND	35	ND	NA	NA	NA	NA
Oct-93	300	2,600	--	--	7,322	640	<5.0	23	<5.0	ND	ND	ND	<5.0	ND	42	ND	NA	NA	NA	NA
Apr-93	530	3,700	--	--	6,600	2,300	<50	<50	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Oct-92	1,900	7,400	--	--	7,533	1,400	4.8	40	6.8	ND	ND	ND	NA	ND	<500	ND	NA	NA	NA	NA
Aug-92	1,200	5,100	--	--	7,336	1,100	6.5	42	1.7	ND	ND	ND	<1.0	ND	21	ND	NA	NA	NA	NA
Apr-92	1,600	15,000	--	--	16,000	<100	<100	<100	<100	ND	ND	ND	<100	ND	<100	ND	NA	NA	NA	NA
Apr-92	1,100	9,300	--	--	9,800	2,400	<50	53	<50	ND	ND	ND	<50	ND	110	ND	NA	NA	NA	NA
Oct-91	700	15,000	--	--	38,000	3,300	<100	<100	<100	ND	ND	ND	<100	ND	<100	ND	NA	NA	NA	NA
Oct-91	500	10,000	--	--	14,000	1,600	<100	<100	<100	ND	ND	ND	<100	ND	<100	ND	NA	NA	NA	NA
Jul-91	1,000	17,000	--	--	55,120	3,500	<50	150	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Jul-91	240	6,100	--	--	7,200	<100	<50	<50	<50	ND	ND	ND	<100	ND	<50	ND	NA	NA	NA	NA
Apr-91	4.3	2,300	--	--	32	1.0	0.8	<0.5	<0.5	ND	ND	ND	180	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	<50	4,200	--	--	<50	<50	<50	<50	<50	ND	ND	ND	240	ND	<50	ND	NA	NA	NA	NA
Jan-91	<200	2,000	--	--	49,000	6,500	<200	<200	<200	ND	ND	ND	<200	ND	<200	ND	NA	NA	NA	NA
Jan-91	<500	5,200	--	--	22,000	7,000	<500	<500	<500	ND	ND	ND	<500	ND	<500	ND	NA	NA	NA	NA
Oct-90	<500	26,000	--	--	53,000	14,000	<500	<500	<500	ND	ND	ND	<500	ND	<500	ND	NA	NA	NA	NA
Oct-90	<200	19,000	--	--	52,000	7,800	<200	<200	<200	ND	ND	ND	<200	ND	<200	ND	NA	NA	NA	NA
Jul-90	<100	3,400	--	--	15,000	3,900	<100	<100	<100	ND	ND	ND	<100	ND	<100	ND	NA	NA	NA	NA
Jul-90	<200	6,000	--	--	21,000	12,000	<200	<200	<200	ND	ND	ND	<200	ND	<200	ND	NA	NA	NA	NA
Apr-90	130	13,000	--	--	41,000	13,000	<100	<100	<100	ND	ND	ND	<100	ND	<100	ND	NA	NA	NA	NA
Apr-90	90	4,200	--	--	11,000	14,000	<50	80	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Jan-90	<1,000	17,000	--	--	110,000	30,000	<1,000	<1000	<1000	ND	ND	ND	<1,000	ND	<1,000	ND	NA	NA	NA	NA
Jan-90	<500	1,600	--	--	40,000	24,000	<500	<500	<500	ND	ND	ND	<500	ND	<500	ND	NA	NA	NA	NA
Oct-89	<200	7,500	--	--	34,000	44,000	<200	<200	<200	--	ND	--	<200	ND	<200	--	--	--	--	--
Aug-89	<2,500	<2500	--	--	48,000	26,000	<2,500	<2500	<2500	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-89	<500	4,000	--	--	40,000	45,000	<500	<500	<500	--	ND	--	<500	ND	<500	--	--	--	--	--
May-89	<200	1,400	--	--	34,000	32,000	<200	<200	<200	--	ND	--	<200	ND	<200	--	--	--	--	--
Feb-89	<500	7,200	--	--	36,000	13,000	<500	<500	<500	--	ND	--	<500	ND	<500	--	--	--	--	--
Nov-88	230	970	--	--	8,700	3,300	<100	<100	<100	--	ND	--	<100	ND	<100	--	--	--	--	--
Aug-88	180	970	--	--	7,300	3,800	<100	<100	<100	--	ND	--	<100	ND	<100	--	--	--	--	--
May-88	54	630	--	--	5,800	1,000	12	120	<5.	--	ND	--	<5.0	ND	<5.0	--	--	--	--	--
Jan-88	170	1,400	--	--	12,000	4,200	<50	<50	<50	--	ND	--	<50	ND	<50	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-2B ZB1 (continued)																				
Oct-87	330	2,000	--	--	3,300	860	59	<25	<25	--	ND	--	<25	ND	71	--	--	--	--	--
Jul-87	490	2,100	--	--	5,400	730	<50	<50	<50	--	ND	--	100	ND	<50	--	--	--	--	--
Jan-87	800	9,100	--	--	7,000	1,100	<25	<25	<25	--	ND	--	<25	ND	710	--	--	--	--	--
Jul-86	1,200	3,800	--	--	2,800	1,400	<10	<10	<10	--	ND	--	<10	ND	860	--	--	--	--	--
Apr-86	580	4,000	--	--	3,600	180	<50	<50	<50	--	ND	--	<50	ND	<50	--	--	--	--	--
Mar-86	1,300	5,500	--	--	3,300	750	<25	<25	<25	--	ND	--	NA	ND	<25	--	--	--	--	--
Oct-85	2,700	7,500	--	--	7,700	<50	<50	<50	<50	--	ND	--	840	ND	<50	--	--	--	--	--
Nov-84	2,300	52,000	--	--	7,200	NA	<130	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	1,500	11,000	--	--	650	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
Mar-84	NA	130,000	--	--	NA	NA	NA	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Sep-83	2,000	73,000	--	--	2,000	NA	ND	ND	ND	--	ND	--	ND	ND	NA	--	--	--	--	--
Sep-83	2,000	290,000	--	--	2,000	NA	ND	ND	ND	--	ND	--	ND	ND	NA	--	--	--	--	--
Aug-83	2,800	1,100,000	--	--	160	<5.0	<5.0	<5.0	<5.0	--	ND	--	<5.0	ND	<5.0	--	--	--	--	--
T-4B ZB1																				
Oct-14	<5.0	5.2	500	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	--	--	--	--
Oct-13	<5.0	9.2	830	1.4 J	--	<5.0	<5.0	<5.0	<5.0	--	<10	<5.0	<5.0	<10	<5.0	<5.0	NA	NA	NA	NA
Oct-12	<5.0	8.4	600	17	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-11	<5.0	5.6	570	5.1	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-10	<0.50	3.7	360	10	--	<0.50	<0.50	1.2	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	2.5	370	2.2	--	<0.50	<0.50	1.1	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	1.4	<0.50	<0.50	<1.0
Oct-08	<5	5.3	500	<5	--	<5	<5	<5	<5	<5	<10	<5	<5	<10	<5	<5	<5	<5	<5	<10
Oct-07	<5.0	7.9	550	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-07	<5.0	5.7	430	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
May-07	<5.0	7.3	230	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	<5.0	580	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	7.9	480	12	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	8.4	600	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-05	<5.0	9.2	550	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-05	<5.0	10	620	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-05	<5.0	110	69	<5.0	--	12	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-05	<5.0	9.0	810	20	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-04	<5.0	6.6	350	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-04	<5.0	8.5	460	5.8	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-04	<1.0	13	540	6.3	--	<1.0	<1.0	<1.0	1.6	NA	<2.0	6.3	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Jan-04	<12	6.4	350	<12	--	<12	<12	<12	<12	NA	<12	<12	NA	<12	NA	<12	<12	<12	<12	<24
Oct-03	<5.0	9.8	340	<5.0	--	7.4	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Jul-03	<1.0	13	<20	3.1	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Apr-03	<1.0	11	350	<1.0	--	<2.0	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-02	<5.0	5.8	220	<5.0	--	5.7	<5.0	<5.0	<5.0	<5.0	<10	<10	<5.0	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-01	<5.0	<5.0	66	12	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<20	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-00	<2.0	10	100	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA
Oct-00 Dup	<2.0	9.0	100	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	<2.0	ND	<2.0	<2.0	NA	NA	NA	NA
Oct-99	<1.0	32	32	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	1.6	ND	<1.0	ND	NA	NA	NA	NA
Oct-98	<1.0	43	40	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	1.8	ND	<1.0	ND	NA	NA	NA	NA
Oct-97	<1.0	30	38	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	2.0	ND	<2.0	ND	NA	NA	NA	NA
Oct-96	<0.5	28	17	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	1.7	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	30	--	--	22	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	2.4	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	53	--	--	23	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<0.5	100	--	--	8.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	2.6	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	61	--	--	4.3	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-91	<0.5	75	--	--	13	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	3.6	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	<0.5	75	--	--	14	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	1.8	ND	<0.5	ND	NA	NA	NA	NA
Aug-89	<0.5	57	--	--	3	<0.5	<0.5	<0.5	<0.5	--	ND	--	1.8		<0.5	--	--	--	--	--
May-88	<0.5	9	--	--	0.7	<0.5	<0.5	<0.5	<0.5	--	ND	--	0.5		<0.5	--	--	--	--	--
Jan-88	<0.5	14	--	--	0.6	<0.5	<0.5	<0.5	<0.5	--	ND	--	0.6		<0.5	--	--	--	--	--
Apr-86	<0.5	1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5		<0.5	--	--	--	--	--
Jan-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5		<0.5	--	--	--	--	--
Oct-85	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5		<0.5	--	--	--	--	--
Nov-84	<0.5	1.5	--	--	<0.5	NA	<0.5	NA	NA	--	ND	--	NA		NA	--	--	--	--	--
Aug-84	ND	ND	--	--	ND	ND	ND	ND	ND	--	ND	--	ND		ND	--	--	--	--	--
Mar-84	NA	4	--	--	NA	NA	NA	NA	NA	--	ND	--	NA		NA	--	--	--	--	--
Aug-83	<1.0	<1.0	--	--	10	ND	<1.0	3.6	<1.0	--	ND	--	<1.0		ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-5B ZB1																				
Oct-14	<10	1,500	58	<10	--	<10	<10	<10	<10	<10	<20	<10	140	<20	<10	<10	--	--	--	--
Oct-14 Dup	<25	1,600	64	<25	--	<25	<25	<25	<25	<25	<50	<25	160	<50	<25	<25	--	--	--	--
Oct-13	4.5 J	1,500	51	<10		<10	<10	<10	<10		<20	<10	150	<20	<10	<10	NA	NA	NA	NA
Oct-13 Dup	4.8 J	1,400	73	1.8 J		<5.0	<5.0	2.3 J	<5.0		<10	<5.0	190	<10	<5.0	<5.0	NA	NA	NA	NA
Oct-12	<10	1,600	70/71			<10	<10	<10	<10	<10	<20	<10	170/180	<20	<10	<10	<10	<10	<10	<20
Oct-11 Dup	<25	1,700	58	<25	--	<25	<25	<25	<25	<25	<25	200	200	<25	<25	<25	<25	<25	<25	<50
Oct-11	<10	1,700	58	<10	--	<10	<10	<10	<10	<10	<10	200	200	<10	<10	<10	<10	<10	<10	<20
Oct-10 Dup	3.5	1,200	49	1.2	--	<0.50	<0.50	1.2	0.59	<0.50	<1.0	<0.50	96	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	3.3	1,200	51	1.2	--	<0.50	<0.50	1.2	0.57	<0.50	<1.0	<0.50	89	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09 Dup	1.3	390	12	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	45	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	1.5	380	14	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08 Dup	<20	2,200	39	<20	--	<20	<20	<20	<20	<20	<40	<20	540	<40	<20	<20	<20	<20	<20	<40
Oct-08	<20	2,300	39	<20	--	<20	<20	<20	<20	<20	<40	<20	550	<40	<20	<20	<20	<20	<20	<40
Oct-07	6.2	2,300	46	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	470	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Oct-07 Dup	5.9	2,200	45	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	380	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Oct-06	<2.0	270	5.9	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	18	<4.0	<2.0	<2.0	NA	NA	NA	NA
Oct-06 Dup	<2.0	270	6.1	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	20	<4.0	<2.0	<2.0	NA	NA	NA	NA
Oct-05	<5.0	420	12	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	44	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-05 Dup	<5.0	410	12	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	40	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-04	<5.0	720	21	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	49	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-04 Dup	<5.0	760	21	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	63	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-03	<10	720	18	<10	--	<10	<10	<10	<10	<10	<20	<20	31	<40	<10	<10	NA	NA	NA	NA
Oct-03 Dup	<10	1,200	29	<10	--	<10	<10	<10	<10	<10	<20	<20	60	<40	<10	<10	NA	NA	NA	NA
Oct-02	30	2,200	55	<20	--	<20	<20	<20	<20	<20	<40	<40	450	<80	<20	<20	NA	NA	NA	NA
Oct-02 Dup	<20	2,100	52	<20	--	<20	<20	<20	<20	<20	<40	<40	410	<80	<20	<20	NA	NA	NA	NA
Oct-01	<50	1,700	88	<50	--	<50	<50	<50	<50	<50	<50	<100	<200	<200	<50	<50	NA	NA	NA	NA
Oct-01 Dup	<50	1,900	91	<50	--	<50	<50	<50	<50	<50	<50	<100	<200	<200	<50	<50	NA	NA	NA	NA
Oct-00	<200	2,400	<200	<200	--	<200	<200	<200	<200	<200	ND	ND	260	ND	<200	<200	NA	NA	NA	NA
Oct-99	<10	500	16	<10	--	<10	<10	<10	<10	ND	ND	ND	63	ND	<10	ND	NA	NA	NA	NA
Oct-98	<10	300	<10	<10	--	<10	<10	<10	<10	ND	ND	ND	15	ND	<10	ND	NA	NA	NA	NA
Oct-97	<10	360	<10	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<20	ND	NA	NA	NA	NA
Oct-96	<1.3	390	8.2	<1.3	--	<1.3	<1.3	<1.3	<1.3	ND	ND	ND	34	ND	<1.3	ND	NA	NA	NA	NA
Oct-95	<1.0	110	--	--	1.6	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	4.9	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<25	420	--	--	<25	<25	<25	<25	<25	ND	ND	ND	41	ND	<25	ND	NA	NA	NA	NA
Oct-93	<5.0	500	--	--	<5.0	<10	<5.0	<5.0	<5.0	ND	ND	ND	54	ND	<5.0	ND	NA	NA	NA	NA
Oct-92	<1000	3,600	--	--	33	<1.0	2.2	<0.5	10	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<150	4,000	--	--	<150	<150	<150	<150	<150	ND	ND	ND	640	ND	<150	ND	NA	NA	NA	NA
Apr-92	<100	11,000	--	--	<100	<100	<100	<100	<100	ND	ND	ND	2,400	ND	<100	ND	NA	NA	NA	NA
Jan-92	<100	16,000	--	--	<100	<100	<100	<100	<100	ND	ND	ND	2,800	ND	<100	ND	NA	NA	NA	NA
Oct-91	<100	12,000	--	--	<100	<100	<100	<100	<100	ND	ND	ND	1,900	ND	<100	ND	NA	NA	NA	NA
Jul-91	<50	9,300	--	--	60	<50	<50	<50	<50	ND	ND	ND	2,200	ND	<50	ND	NA	NA	NA	NA
Apr-91	<20	5,700	--	--	30	<20	<20	<20	<20	ND	ND	ND	1,600	ND	<20	ND	NA	NA	NA	NA
Jan-91	<20	2,500	--	--	<20	<20	<20	<20	<20	ND	ND	ND	280	ND	<20	ND	NA	NA	NA	NA
Oct-90	<50	6,300	--	--	<50	<50	<50	<50	<50	ND	ND	ND	270	ND	<50	ND	NA	NA	NA	NA
Jul-90	<20	4,100	--	--	<20	<20	<20	<20	<20	ND	ND	ND	910	ND	<20	ND	NA	NA	NA	NA
Apr-90	<20	3,000	--	--	<20	<20	<20	<20	<20	ND	ND	ND	250	ND	<20	ND	NA	NA	NA	NA
Jan-90	<20	5,500	--	--	<20	<20	<20	<20	<20	ND	ND	ND	1,300	ND	<20	ND	NA	NA	NA	NA
Oct-89	33	6,700	--	--	39	<2.0	2	<2.0	<2.0	--	ND	--	2,700	ND	<2.0	--	--	--	--	--
Aug-89	<50	10,000	--	--	<50	<50	<50	<50	<50	--	ND	--	2,100	ND	<50	--	--	--	--	--
Aug-89	<50	9,200	--	--	<50	<50	<50	<50	<50	--	ND	--	2,300	ND	<50	--	--	--	--	--
Feb-89	<250	8,000	--	--	<250	<250	<250	<250	<250	--	ND	--	2,000	ND	<250	--	--	--	--	--
Nov-88	<5.0	5,500	--	--	18	<5.0	<5.0	<5.0	<5.0	--	ND	--	<5.0	ND	<5.0	--	--	--	--	--
Nov-88	<50	8,000	--	--	<50	<50	<50	<50	<50	--	ND	--	2,000	ND	<50	--	--	--	--	--
Aug-88	<100	14,000	--	--	<100	<100	<100	<100	<100	--	ND	--	2,700	ND	<100	--	--	--	--	--
Jun-88	<250	11,000	--	--	<250	<250	<250	<250	<250	--	ND	--	1,200	ND	<250	--	--	--	--	--
Jun-88	18	7,400	--	--	13	<0.5	7.8	2.5	1.4	--	ND	--	2,500	ND	<0.5	--	--	--	--	--
Jan-88	<250	17,000	--	--	<250	<250	<250	<250	<250	--	ND	--	2,800	ND	<250	--	--	--	--	--
Oct-87	<50	7,800	--	--	<50	<50	120	<50	<50	--	ND	--	1,800	ND	<50	--	--	--	--	--
Jun-87	140	5,500	--	--	25	<25	<25	<25	<25	--	ND	--	1,800	ND	<25	--	--	--	--	--
Apr-87	<25	15,000	--	--	<25	<25	<25	480	<25	--	ND	--	1,700	ND	<25	--	--	--	--	--
Jan-87	33	4,900	--	--	<10	<10	<10	<10	<10	--	ND	--	3,100	ND	<10	--	--	--	--	--
Sep-86	<100	20,500	--	--	<100	<100	<100	<100	<100	--	ND	--	3,150	ND	<100	--	--	--	--	--
Jul-86	<50	6,700	--	--	<50	<50	<50	<50	<50	--	ND	--	3,300	ND	<50	--	--	--	--	--
Apr-86	<25	8,200	--	--	<25	<25	<25	<25	<25	--	ND	--	6,900	ND	<25	--	--	--	--	--
Jan-86	<25	9,100	--	--	<25	<25	<25	<25	<25	--	ND	--	NA	ND	<25	--	--	--	--	--
Oct-85	73	19,000	--	--	<50	<50	<50	<50	<50	--	ND	--	6,300	ND	<50	--	--	--	--	--
Nov-84	19	15,000	--	--	<20	NA	17	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	ND	17,000	--	--	ND	ND	ND	ND	ND	--	ND	--	10,000	ND	ND	--	--	--	--	--
Mar-84	NA	16,000	--	--	NA	NA	NA	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-83	<1.0	3,200	--	--	14	<1.0	<1.0	<1.0	<1.0	--	ND	--	<1.0	ND	<1.0	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-7B ZB1																				
Oct-14	0.74	170	11	0.78	--	<0.50	<0.50	0.61	<0.50	<0.50	<1.0	<0.50	3.2	<1.0	2.1	<0.50	--	--	--	--
Oct-14 Dup	0.84	170	12	0.97	--	<0.50	0.51	0.74	0.57	<0.50	<1.0	<0.50	4.4	<1.0	2.4	<0.50	--	--	--	--
Oct-13	0.86	150	10	0.77		0.38 J	0.58	0.73	0.55		<1.0	<0.50	4.3	<1.0	2.2	<0.50	NA	NA	NA	NA
Oct-13 Dup	0.85	150	11	0.76		0.39 J	0.59	0.70	0.56		<1.0	<0.50	4.3	<1.0	2.1	<0.50	NA	NA	NA	NA
Oct-12	0.55/0.70	160/170	15	0.75/0.79		<0.5	0.52/0.55	0.61/0.60	0.51/0.52	<0.5	<1.0	<0.5	3.2/3.6	<1.0	1.6/2.0	<0.5	<0.5	<0.5	<0.5	<1.0
Oct-11 Dup	1.0	180	14	0.57	--	0.81	0.58	0.58	<0.50	<0.50	<0.50	<0.50	4	<1.0	2.6	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	1.1	170	14	0.57	--	0.82	0.56	0.55	0.5	<0.50	<1.0	<0.50	4	<1.0	2.4	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10 Dup	<1.0	140	13	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	2.9	<2.0	2.0	<1.0	<0.50	<0.50	<0.50	<1.0
Oct-10	<1.0	130	12	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	2.7	<2.0	1.8	<1.0	<0.50	<0.50	<0.50	<1.0
Oct-09 Dup	0.77	140	9.8	<0.50	--	0.60	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.8	<1.0	1.2	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	0.79	150	10	<0.50	--	0.63	0.52	<0.50	<0.50	<0.50	<1.0	<0.50	3.1	<1.0	1.2	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08 Dup	<2	150	7.6	<2	--	<2	<2	<2	<2	<2	<4	<2	4.8	<4	2.3	<2	<2	<2	<2	<4
Oct-08	<2	180	9.4	<2	--	<2	<2	<2	<2	<2	<4	<2	5.7	<4	3.0	<2	<2	<2	<2	<4
Oct-07	1.80	190	16	0.63	--	<0.5	0.92	0.65	0.55	<0.5	<1.0	<0.5	6.6	<0.5	3.6	<0.5	<0.5	<0.5	<0.5	<1.0
Oct-07 Dup	1.70	200	16	0.62	--	<0.5	0.92	0.65	0.57	<0.5	<1.0	<0.5	6.4	<0.5	3.7	<0.5	<0.5	<0.5	<0.5	<1.0
Oct-06	0.71	80	10	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	1.9	<0.5	<0.5	<0.5	NA	NA	NA	NA
Oct-06 Dup	0.58	88	10	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	1.8	<0.5	<0.5	<0.5	NA	NA	NA	NA
Oct-05	<1.0	95	13	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	1.9	<1.0	<1.0	<1.0	NA	NA	NA	NA
Oct-05 Dup	<1.0	88	13	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	1.7	<1.0	<1.0	<1.0	NA	NA	NA	NA
Oct-04	<1.0	140	14	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	2.3	<4.0	<1.0	<1.0	NA	NA	NA	NA
Oct-04 Dup	<1.0	140	14	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	2.4	<4.0	<1.0	<1.0	NA	NA	NA	NA
Oct-03	<5.0	190	28	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<10	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Oct-03 Dup	<5.0	190	29	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<10	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-03	<1.0	140	18	<1.0	--	<2.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	2.9	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-02	<5.0	170	24	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	55	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-02 Dup	<2.0	160	24	<2.0	--	2	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	53	<8.0	<2.0	<2.0	NA	NA	NA	NA
Jul-02	<10	350	34	<10	--	<10	<10	<10	<10	ND	<20	<10	60	ND	<10	<10	NA	NA	NA	NA
Apr-02	<10	240	24	<10	--	<10	<10	<10	<10	ND	<20	<10	35	ND	<10	<10	NA	NA	NA	NA
Jan-02	<10	300	29	<10	--	<10	<10	<10	<10	ND	<20	<10	<10	ND	<10	<10	NA	NA	NA	NA
Oct-01	<5.0	210	25	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	13	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-01 Dup	<5.0	200	25	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	12	<5.0	<5.0	<5.0	NA	NA	NA	NA
Aug-01	2.1	340	46	1.3	--	<2.0	1.9	2.4	<1.0	ND	8.6	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Jun-01	<1.0	68	61	<1.0	--	3.6	<1.0	1.6	<1.0	ND	51	24	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Apr-01	1.4	200	34	<1.0	--	<2.0	1.8	1.2	<1.0	ND	20	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Feb-01	1.2	230	29	<1.0	--	<2.0	1.4	<1.0	<1.0	ND	11	14	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Dec-00	<1.0	1.7	<1.0	<1.0	--	<2.0	<1.0	<1.0	<1.0	ND	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Nov-00	<1.0	<1.0	<1.0	<1.0	--	<2.0	<1.0	<1.0	<1.0	ND	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-00	<10	180	24	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Sep-00	1.6	270	29	<1.0	--	<2.0	2.5	1.2	<1.0	ND	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-99	<1.0	4.7	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	<1.0	NA	NA	NA	NA
Oct-98	<1.0	15	1.3	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	5.1	ND	<1.0	<1.0	NA	NA	NA	NA
Oct-97	<0.5	18	2.8	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	1.9	ND	<1.0	<0.5	NA	NA	NA	NA
Oct-96	<0.5	39	5.3	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	1.9	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	42	--	--	6.1	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	2.4	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	100	--	--	17	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<5.0	590	--	--	59	<10	<5.0	<5.0	<5.0	ND	ND	ND	11	ND	<5.0	ND	NA	NA	NA	NA
Oct-92	1.7	630	--	--	41	3.1	5.7	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<10	1,800	--	--	140	<10	40	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Jan-92	<10	1,800	--	--	390	<10	29	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Oct-91	7.0	960	--	--	270	<5.0	14	<5.0	<5.0	ND	ND	ND	18	ND	<5.0	ND	NA	NA	NA	NA
Jul-91	6.0	980	--	--	300	<5.0	11	<5.0	<5.0	ND	ND	ND	35	ND	<5.0	ND	NA	NA	NA	NA
Apr-91	<2.0	460	--	--	52	<2.0	4.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Jan-91	<5.0	870	--	--	62	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	15	ND	<5.0	ND	NA	NA	NA	NA
Oct-90	<5.0	760	--	--	60	<5.0	6.0	<5.0	<5.0	ND	ND	ND	22	ND	<5.0	ND	NA	NA	NA	NA
Jul-90	<2.0	430	--	--	20	<2.0	2.0	<2.0	<2.0	ND	ND	ND	17	ND	<2.0	ND	NA	NA	NA	NA
Apr-90	<5.0	680	--	--	37	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Jan-90	<5.0	960	--	--	75	<5.0	6.0	<5.0	<5.0	ND	ND	ND	21	ND	<5.0	ND	NA	NA	NA	NA
Oct-89	<10	1,400	--	--	110	<10	<10	<10	<10	--	ND	--	20	ND	<10	--	--	--	--	--
Aug-89	5	980	--	--	93	13	13	<2.0	<2.0	--	ND	--	40	ND	<2.0	--	--	--	--	--
May-89	6.0	1,400	--	--	60	<5.0	<5.0	<5.0	<5.0	--	ND	--	25	ND	<5.0	--	--	--	--	--
Feb-89	<25	1,600	--	--	<25	<25	<25	<25	<25	--	ND	--	420	ND	<25	--	--	--	--	--
Nov-88	<10	1,300	--	--	<10	<10	<10	<10	<10	--	ND	--	50	ND	<10	--	--	--	--	--
Aug-88	<25	1,800	--	--	<25	<25	<25	<25	<25	--	ND	--	69	ND	<25	--	--	--	--	--
Jun-88	<10	1,300	--	--	32	<10	<10	<10	<10	--	ND	--	56	ND	<10	--	--	--	--	--
Jan-88	<25	2,100	--	--	<25	<25	<25	<25	<25	--	ND	--	280	ND	<25	--	--	--	--	--
Oct-87	<25	2,600	--	--	<25	<25	31	<25	<25	--	ND	--	54	ND	<25	--	--	--	--	--
Jun-87	<25	3,200	--	--	<25	<25	<25	<25	<25	--	ND	--	87	ND	<25	--	--	--	--	--
Apr-87	<25	3,800	--	--	31	<25	<25	<25	<25	--	ND	--	<25	ND	<25	--	--	--	--	--
Jan-87	24	3,100	--	--	25	<10	<10	<10	<10	--	ND	--	360	ND	<10	--	--	--	--	--
Sep-86	<25	5,100	--	--	<25	<25	<25	<25	<25	--	ND	--	660	ND	<25	--	--	--	--	--
Jul-86	<25	5,300	--	--	<25	<25	<25	<25	<25	--	ND	--	370	ND	<25	--	--	--	--	--
Apr-86	<25	3,500	--	--	<25	<25	<25	<25	<25	--	ND	--	<25	ND	<25	--	--	--	--	--
Jan-86	<25	3,500	--	--	<25	<25	<25	<25	<25	--	ND	--	NA	ND	<25	--	--	--	--	--
Oct-85	60	3,300	--	--	26	<25	41	<25	<25	--	ND	--	420	ND	<25	--	--	--	--	--
Nov-84	16	4,400	--	--	19	NA	6.4	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	ND	3,000	--	--	ND	ND	ND	ND	ND	--	ND	--	100	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-8B ZB1																				
Oct-14	<0.50	10	270	7.3	--	16	<0.50	1.8	0.90	<0.50	<1.0	<0.50	<0.50	<1.0	7.5	<0.50	--	--	--	--
Oct-13	<2.5	36	450	8.8		17	<2.5	3.0	<2.5		<5.0	<2.5	<2.5	<5.0	10	<2.5	NA	NA	NA	NA
Oct-12	<2.5	25	290	11		10	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5	<5.0	7.6	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-11	0.92	24	190	4.1	--	21	<0.50	1.1	0.85	<1.0	<1.0	<0.50	<0.50	<1.0	7.1	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	0.59	22	130	3.5	--	18	<0.50	0.73	0.74	<0.50	<1.0	<0.50	<0.50	<1.0	3.7	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	0.68	29	39	6.6	--	0.97	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	1.3	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<2	36	150	3.0	--	34	<2	<2	<2	<2	<4	<2	<2	<4	7.1	<2	<2	<2	<2	<4
Oct-07	<5.0	7.5	220	5.9	--	35	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-07	<5.0	25.0	180	<5.0	--	65	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-07	<5.0	20.0	260	<5.0	--	120	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	6.3	220	<5.0	--	47	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-06	<5.0	5.8	230	<5.0	--	64	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	7.5	300	14	--	120	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	9.0	200	5.6	--	170	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-05	<5.0	7.7	190	6.3	--	160	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-05	<5.0	38	150	<5.0	--	120	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-05	<5.0	47	100	<5.0	--	310	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-04	<2.0	33	72	3.0	--	140	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<2.0	<8.0	6.8	<2.0	NA	NA	NA	NA
Jul-04	<5.0	100	80	<5.0	--	150	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-04	1.7	53	58	3.8	--	99	<1.0	<1.0	1.5	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-03	<5.0	98	79	<5.0	--	230	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Jul-03	1.1	60	60	3.6	--	120	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Apr-03	<1.0	59	59	2.3	--	260	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Jan-03	1.7	82	68	2.5	--	80	1.5	1.2	1.4	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	NA	NA	NA
Oct-02	1.6	75	77	<1.0	--	96	1.2	1.2	1.2	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	1.1	<1.0	<1.0	<2.0
Jul-02	<1.0	64	72	<1.0	--	180	<1.0	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Mar-02	2.1	81	78	3.1	--	92	1.2	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Jan-02	1.8	98	90	3.8	--	76	1.1	1.3	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	1.6	6.7	7.2
Oct-01	1.8	120	120	4.5	--	<2.0	1.9	1.6	1.2	NA	<2.0	<2.0	NA	<2.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Aug-01	2.2	130	140	4.7	--	110	1.7	1.1	1.1	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Jun-01	1.9	110	120	3.3	--	100	2.5	1.4	1.3	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	1.6	<2.0
Apr-01	1.6	68	99	2.7	--	99	1.5	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Feb-01	1.6	65	150	2.4	--	100	1.3	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	1.7	<1.0	1.3
Dec-00	<1.0	41	14	1.7	--	6.8	2	<1.0	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Nov-00	3.6	140	240	3.5	--	32	3.8	2.2	1.3	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-00	<10	170	160	<10	--	25	<10	<10	<10	NA	ND	ND	<10	ND	NA	<10	NA	<1.0	<1.0	<2.0
Oct-99	6.5	190	160	<5.0	--	19	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	5.8	<5.0	NA	NA	NA	NA
Apr-99	<10	170	160	<10	--	15	<10	<10	<10	ND	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-98	<10	180	200	<10	--	19	<10	<10	<10	ND	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Apr-98	<5.0	200	220	<5.0	--	42	<5.0	<5.0	<5.0	ND	ND	ND	<20	ND	<5.0	<30	NA	NA	NA	NA
Oct-97	<10	210	350	<10	--	35	<10	<10	<10	ND	ND	ND	<10	ND	<20	<10	NA	NA	NA	NA
Apr-97	7.1	220	320	5.4	--	28	4.0	3.0	2.0	ND	ND	ND	4.2	ND	4.8	ND	NA	NA	NA	NA
Oct-96	5.4	200	310	5.2	--	44	3.8	2.4	1.6	ND	ND	ND	3.2	ND	5.8	ND	NA	NA	NA	NA
Apr-96	8.2	260	--	--	284.3	<2.5	4.8	2.5	<2.5	ND	ND	ND	<2.5	ND	<2.5	ND	NA	NA	NA	NA
Oct-95	8.1	230	--	--	354.7	37	5.5	3.1	<2.5	ND	ND	ND	3.3	ND	3.7	ND	NA	NA	NA	NA
Apr-95	9.9	240	--	--	284	41	4.9	<4.0	<4.0	ND	ND	ND	<4.0	ND	<4.0	ND	NA	NA	NA	NA
Oct-94	<25	270	--	--	320	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Apr-94	13	390	--	--	420	220	9.0	<5.0	<5.0	ND	ND	ND	3.6	ND	10	ND	NA	NA	NA	NA
Oct-93	10	320	--	--	350	140	5.0	<5.0	<5.0	ND	ND	ND	6.0	ND	<5.0	ND	NA	NA	NA	NA
Apr-93	10	370	--	--	260	240	8.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-92	13	410	--	--	150	62	11	5.3	3.8	ND	ND	ND	NA	ND	17	ND	NA	NA	NA	NA
Apr-92	14	620	--	--	430	110	38	8.0	<5.0	ND	ND	ND	<5.0	ND	10	ND	NA	NA	NA	NA
Jan-92	<50	6,000	--	--	<50	<50	<50	<50	<50	ND	ND	ND	160	ND	<50	ND	NA	NA	NA	NA
Oct-91	20	440	--	--	130	<2.0	26	6	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Jul-91	18	420	--	--	230	<2.0	19	6.0	2.0	ND	ND	ND	5.0	ND	6.0	ND	NA	NA	NA	NA
Apr-91	20	680	--	--	90	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Jan-91	26	660	--	--	20	<5.0	9.0	5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-90	17	600	--	--	590	350	10	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Jul-90	26	810	--	--	600	390	12	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Apr-90	40	1,600	--	--	1,400	1,700	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
May-89	54	1,700	--	--	340	880	<10	<10	<10	--	ND	--	<10	ND	<10	--	--	--	--	--
Feb-89	51	2,500	--	--	270	870	<25	<25	<25	--	ND	--	<25	ND	<25	--	--	--	--	--
Nov-88	25	360	--	--	100	490	15	<5.0	<5.0	--	ND	--	15	ND	<5.0	--	--	--	--	--
Aug-88	24	370	--	--	340	1,800	28	<10	<10	--	ND	--	36	ND	<10	--	--	--	--	--
May-88	40	750	--	--	610	770	24	5.2	<5.0	--	ND	--	24	ND	41	--	--	--	--	--
Jan-88	79	1,000	--	--	610	690	100	<10	<10	--	ND	--	59	ND	41	--	--	--	--	--
Oct-87	63	610	--	--	610	460	33	4.9	<5.0	--	ND	--	55	ND	36	--	--	--	--	--
Jul-87	85	720	--	--	990	260	12	<10	<10	--	ND	--	<10	ND	17	--	--	--	--	--
Jan-87	170	570	--	--	560	170	19	4.8	<2.5	--	ND	--	<2.5	ND	90	--	--	--	--	--
Jul-86	170	<5.0	--	--	600	<5.0	25	<5.0	<5.0	--	ND	--	<5.0	ND	<5.0	--	--	--	--	--
Apr-86	240	650	--	--	1,300	360	<5.0	<5.0	<5.0	--	ND	--	<5.0	ND	<5.0	--	--	--	--	--
Mar-86	1,100	4,300	--	--	3,200	<25	<25	<25	<25	--	ND	--	NA	ND	<25	--	--	--	--	--
Mar-86	750	2,800	--	--	1,700	<10	<10	<10	<10	--	ND	--	NA	ND	<10	--	--	--	--	--
Mar-86	810	2,200	--	--	1,400	<10	<10	<10	<10	--	ND	--	NA	ND	<10	--	--	--	--	--
Oct-85	370	1,600	--	--	880	<25	63	<25	<25	--	ND	--	200	ND	<25	--	--	--	--	--
Oct-85	330	1,600	--	--	890	<25	62	<25	<25	--	ND	--	250	ND	<25	--	--	--	--	--
Nov-84	360	2,600	--	--	410	NA	6	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	260	2,300	--	--	580	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-9B ZB1																				
Oct-14	<5.0	390	210	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	--	--	--	--
Oct-13	2.2 J	410	280	5.0		3.6 J	<5.0	3.3 J	<5.0		<10	<5.0	1.5 J	<10	<5.0	<5.0	NA	NA	NA	NA
Oct-12	<5.0	130	360	5.1		<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-11	<5.0	110	350	<5.0	--	5.1	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-10	0.87	96	250	3.4	--	12	<0.50	1.7	0.76	<0.50	<1.0	<0.50	1.0	<1.0	1.1	<0.50	<0.5	<0.5	<0.5	<1.0
Oct-09	<10	31	290	<10	--	69	<10	<10	<10	<10	<20	<10	<10	<20	<10	<10	<10	<10	<10	<20
Oct-08	<5	280	110	<5	--	<5	<5	<5	<5	<5	<10	<5	7.9	<10	<5	<5	<5	<5	<5	<10
Oct-07	4.4	470	190	3.2	--	9.8	<0.5	2.2	0.83	<0.5	<1.0	<0.5	8.4	<1.0	1.6	<0.5	<0.5	<0.5	<0.5	<1.0
Oct-06	<0.5	4.6	31	1.4	--	30	<0.5	<0.5	0.51	<0.5	<0.5	<1.0	<0.5	<0.5	0.61	<0.5	NA	NA	NA	NA
Oct-05	<5.0	16	630	5.9	--	150	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-04	<5.0	470	300	5.1	--	33	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-03	<5.0	390	560	7.8	--	38	<5.0	6.4	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-03	2.0	550	240	3.6	--	19	1.7	4.3	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-02	3.4	460	180	3.7	--	8.7	<2.5	2.8	<2.5	<2.5	<5.0	<5.0	5.3	<10	<2.5	<2.5	NA	NA	NA	NA
Jul-02	<5.0	460	190	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	<10	<5.0	<5.0	ND	<5.0	<5.0	NA	NA	NA	NA
Apr-02	<5.0	510	210	<5.0	--	5.3	<5.0	<5.0	<5.0	ND	<10	<5.0	<5.0	ND	<5.0	<5.0	NA	NA	NA	NA
Jan-02	<10	680	270	<10	--	<10	<10	<10	<10	ND	<20	<10	<10	ND	<10	<10	NA	NA	NA	NA
Oct-01	<10	780	150	<10	--	<10	<10	<10	<10	<10	<10	<20	<40	<40	<10	<10	NA	NA	NA	NA
Aug-01	<10	460	160	<10	--	<10	<10	<10	<10	NA	<10	<10	NA	ND	NA	<10	<10	<10	<10	<10
Oct-00	<70	1,000	200	<70	--	<70	<70	<70	<70	<70	ND	ND	<70	ND	<70	<70	NA	NA	NA	NA
Oct-99	<25	1,000	170	<25	--	46	<25	<25	<25	ND	ND	ND	<25	ND	<25	<25	NA	NA	NA	NA
Apr-99	<100	1,200	170	<100	--	<100	<100	<100	<100	ND	ND	ND	<100	ND	<100	<100	NA	NA	NA	NA
Apr-99 Dup	<100	1,100	160	<100	--	<100	<100	<100	<100	ND	ND	ND	<100	ND	<100	ND	NA	NA	NA	NA
Oct-98	<25	1,000	130	<25	--	37	<25	<25	<25	ND	ND	ND	<25	ND	<25	<25	NA	NA	NA	NA
Apr-98	<100	2,200	130	<100	--	<100	<100	<100	<100	ND	ND	ND	<400	ND	<100	<600	NA	NA	NA	NA
Apr-98 Dup	<100	2,000	<100	<100	--	<100	<100	<100	<100	ND	ND	ND	<400	ND	<100	ND	NA	NA	NA	NA
Oct-97	<50	1,600	150	<50	--	<50	<50	<50	<50	ND	ND	ND	<50	ND	<100	<50	NA	NA	NA	NA
Apr-97	15	1,300	130	<6.3	--	33	<6.3	<6.3	<6.3	ND	ND	ND	26	ND	8.1	ND	NA	NA	NA	NA
Oct-96	12	1,200	110	<5.0	--	25	<5.0	<5.0	<5.0	ND	ND	ND	13	ND	<5.0	ND	NA	NA	NA	NA
Apr-96	19	1,000	--	--	120	15	<2.5	<2.5	<2.5	ND	ND	ND	9.3	ND	6.1	ND	NA	NA	NA	NA
Oct-95	11	1,100	--	--	190	22	<10	<10	<10	ND	ND	ND	12	ND	<10	ND	NA	NA	NA	NA
Apr-95	<20	1,300	--	--	110	<40	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Oct-94	<25	1,200	--	--	120	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Apr-94	22	1,300	--	--	110	55	<5.0	<5.0	<5.0	ND	ND	ND	28	ND	5.0	ND	NA	NA	NA	NA
Oct-93	14	1,900	--	--	99	35	<5.0	<5.0	<5.0	ND	ND	ND	51	ND	<5.0	ND	NA	NA	NA	NA
Apr-93	<50	3,200	--	--	75	<100	<50	<50	<50	ND	ND	ND	69	ND	<50	ND	NA	NA	NA	NA
Oct-92	36	5,100	--	--	<500	19	3.9	<0.5	3.4	ND	ND	ND	NA	ND	6.1	ND	NA	NA	NA	NA
Apr-92	<50	5,600	--	--	<50	<50	<50	<50	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Jan-92	<30	4,100	--	--	<30	<30	<30	<30	<30	ND	ND	ND	<30	ND	<30	ND	NA	NA	NA	NA
Oct-91	<20	3,200	--	--	340	<20	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Jul-91	<20	3,100	--	--	1,100	<20	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Apr-91	<20	2,100	--	--	1,200	<20	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Jan-91	10	2,200	--	--	580	30	<10	10	<10	ND	ND	ND	20	ND	<10	ND	NA	NA	NA	NA
Oct-90	<20	3,900	--	--	590	<20	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Jul-90	30	5,200	--	--	420	<20	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Jan-90	61	6,100	--	--	120	<50	<50	<50	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Oct-89	38	3,800	--	--	160	20	<10	<10	<10	--	ND	--	50	ND	<10	--	--	--	--	--
Aug-89	61	7,300	--	--	<50	<50	<50	<50	<50	--	ND	--	200	ND	<50	--	--	--	--	--
Jun-89	39	3,500	--	--	130	73	<10	<10	<10	--	ND	--	150	ND	<10	--	--	--	--	--
Feb-89	<25	6,400	--	--	45	<25	<25	<25	<25	--	ND	--	200	ND	<25	--	--	--	--	--
Nov-88	50	6,900	--	--	<50	<50	80	<50	<50	--	ND	--	310	ND	<50	--	--	--	--	--
Aug-88	36	5,200	--	--	85	18	13	4.7	1.5	--	ND	--	170	ND	8	--	--	--	--	--
Aug-88	<50	6,000	--	--	<50	<50	<50	<50	<50	--	ND	--	<50	ND	<50	--	--	--	--	--
May-88	360	12,000	--	--	710	120	180	<100	<100	--	ND	--	1,700	ND	<100	--	--	--	--	--
Jan-88	50	4,800	--	--	70	<10	10	<10	<10	--	ND	--	180	ND	<10	--	--	--	--	--
Jan-88	<100	12,000	--	--	<100	<100	<100	<100	<100	--	ND	--	<100	ND	<100	--	--	--	--	--
Nov-87	<50	3,900	--	--	340	150	<50	<50	<50	--	ND	--	290	ND	NA	--	--	--	--	--
Oct-87	<50	6,900	--	--	450	150	<50	<50	<50	--	ND	--	390	ND	<50	--	--	--	--	--
Jul-87	44	1,300	--	--	1300	220	30	<10	<10	--	ND	--	36	ND	54	--	--	--	--	--
Jan-87	<50	17,000	--	--	<50	<50	160	<50	<50	--	ND	--	620	ND	<50	--	--	--	--	--
Jul-86	<50	7,900	--	--	<50	<50	<50	<50	<50	--	ND	--	<50	ND	<50	--	--	--	--	--
Apr-86	98	7,300	--	--	<25	<25	<25	<25	<25	--	ND	--	<25	ND	<25	--	--	--	--	--
Mar-86	590	14,000	--	--	<100	<100	<100	<100	<100	--	ND	--	NA	ND	<100	--	--	--	--	--
Mar-86	<100	16,000	--	--	<100	<100	<100	<100	<100	--	ND	--	NA	ND	<100	--	--	--	--	--
Mar-86	<100	9,600	--	--	<100	<100	<100	<100	<100	--	ND	--	NA	ND	<100	--	--	--	--	--
Oct-85	320	29,000	--	--	<50	<50	<50	<50	<50	--	ND	--	1,200	ND	<50	--	--	--	--	--
Nov-84	15	2,900	--	--	9	NA	<25	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-84	330	7,900	--	--	ND	ND	ND	ND	ND	--	ND	--	700	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-10B ZB1																				
Oct-14	2.1	45	180	3.3	--	16	<0.50	1.1	0.82	<0.50	<1.0 *	<0.50 *	<0.50	<1.0	4.8	<0.50	--	--	--	--
Oct-13	0.59	17	50	0.21 J		<0.50	<0.50	<0.50	0.43 J		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
Oct-12	2.7	50	140	3.1		21	<0.50	0.99	0.76	<0.50	<1.0	<0.50	<0.50	<1.0	5.4	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	3.2	48	110	3.0	--	24	<0.50	1.2	1	<0.50	<1.0	<0.50	<0.50	<1.0	5.2	<0.50	<0.5	<0.5	<0.5	1.2
Oct-10	2.0	44	97	2.3	--	23	<0.50	0.57	0.77	<0.50	<1.0	<0.50	<0.50	<1.0	3.7	<0.50	<0.5	<0.5	<0.5	<1
Oct-09	0.94	20	49	1.4	--	9.8	<0.50	<0.50	0.55	<0.50	<1.0	<0.50	<0.50	<1.0	1.5	<0.50	1.5	<0.50	<0.50	<1.0
Oct-08	2.1	45	48	1.8	--	10	<0.5	<0.5	0.82	<0.5	<1	<0.5	<0.5	<1	3.2	<0.5	<0.5	<0.5	<0.5	<1
Oct-07	6.6	86	62	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-07	5.4	65	61	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
May-07	7.2	80	87	<5.0	--	8.9	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-07	12.0	130	140	<5.0	--	17.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	7.8	120	130	<5.0	--	6.2	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-06	8.1	150	170	<5.0	--	9.3	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	20	150	190	10.0	--	17	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	10	170	190	<5.0	--	51	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-05	9.9	180	79	<5.0	--	39	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-04	11	170	57	2.0	--	29	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	1.1	<4.0	10	<1.0	NA	NA	NA	NA
Oct-03	12	140	73	2.1	--	43	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<2.0	<8.0	10	<2.0	NA	NA	NA	NA
Oct-02	8.9	130	56	2.8	--	11	1.2	<1.0	<1.0	<1.0	<2.0	<2.0	1.4	<4.0	8.4	<1.0	NA	NA	NA	NA
Jul-02	10	170	97	<2.5	--	16	<2.5	<2.5	<2.5	ND	<2.5	<5.0	<2.5	ND	6.9	<2.5	NA	NA	NA	NA
Apr-02	12	200	110	<2.5	--	15	<2.5	<2.5	<2.5	ND	<2.5	<5.0	<2.5	ND	10	<2.5	NA	NA	NA	NA
Jan-02	14	230	130	<2.5	--	25	<2.5	<2.5	<2.5	ND	<2.5	<5.0	<2.5	ND	12	<2.5	NA	NA	NA	NA
Oct-01	8.2	160	75	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<20	<20	<5.0	<5.0	NA	NA	NA	NA
Aug-01	7.6	170	110	<5.0	--	27	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	ND	NA	<5.0	<5.0	<5.0	<5.0	<5.0
Apr-01	9.6	160	100	<2.5	--	20	<2.5	<2.5	<2.5	ND	<10	<2.5	<10	ND	9.6	<2.5	NA	NA	NA	NA
Jan-01	13	210	130	2.7	--	12	2.9	1.2	<1.0	NA	<2.0	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-00	<20	170	110	<15	--	<15	<15	<15	<15	<15	<15	<20	<20	<15	<15	<15	NA	NA	NA	NA
T-17B ZB1																				
Oct-14	<5.0	75	400	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	--	--	--	--
Apr-14	<5.0	55	370	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-13	<5.0	130	390	<5.0		<5.0	<5.0	<5.0	<5.0		<10	<5.0	<5.0	<10	<5.0	<5.0	NA	NA	NA	NA
May-13	<5.0	120	370	<5.0		<5.0	<5.0	<5.0	<5.0		<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-12	<5.0	310	230	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	14	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Apr-12	<5.0	110	510	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	8.9	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Apr-12 Dup	<5.0	110	490	<5.0		<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	9.9	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-11	<5.0	270	230	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	8.1	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-10	<5.0	120	320	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	69.0	190	3.5	--	<0.50	<0.50	0.69	<0.50	<0.50	<1.0	<0.50	2.1	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<5	400.0	62	<5	--	<5	<5	<5	<5	<5	<10	<5	20	<10	<5	<5	<5	<5	<5	<10
Oct-07	<5.0	610	79	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-07	<5.0	450	87	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
May-07	<5.0	430	140	<5.0	--	11	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-07	12	660	220	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Oct-06	<5.0	240	280	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jul-06	<5.0	200	460	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Apr-06	<5.0	340	420	6.8	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
Jan-06	<5.0	400	280	<5.0	--	<5.0	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<15
T-18B ZB1																				
Oct-14	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0 *	<0.50 *	<0.50	<1.0	<0.50	<0.50	--	--	--	--
Oct-13	<0.50	<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
May-13	<0.50	<0.50	<0.50	<0.50		<0.50	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
T-19B ZB1																				
Oct-14	<0.50	52	2.2	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0 *	<0.50 *	1.2	<1.0	<0.50	<0.50	--	--	--	--
Oct-13	<0.50	56	1.8	<0.50		<0.50	<0.50	<0.50	<0.50		<1.0	<0.50	1.4	<1.0	<0.50	<0.50	NA	NA	NA	NA
May-13	<0.50	53	1.9	<0.50		<0.50	<0.50	<0.50	<0.50		<1.0	<0.50	1.2	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-2C ZB2																				
Sep-14	<0.50	280	120	1.6	--	8.5	<0.50	0.97	<0.50	<0.50	<1.0	<0.50	1.3	<1.0	<0.50	<0.50	--	--	--	--
Apr-14	<0.50	150	48	0.80	--	0.59	<0.50	0.65	<0.50	<0.50	<1.0	<0.50	0.94	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-13	<0.50	110	44	<0.50	--	<0.50	<0.50	<0.50	<0.50	--	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
Oct-12	<5.0	310	160	<0.50	--	19	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-11	<0.50	310	88	1.1	--	11	<0.50	1.4	<0.50	<0.50	<1.0	<0.50	3	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	<0.50	81	22	0.60	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.56	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	0.65	460	94	2.0	--	33	<0.50	1.4	<0.50	<0.50	<1.0	<0.50	9.2	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<1	130	33	<1	--	1.6	<1	<1	<1	<1	<2	<1	2.3	<2	<1	<1	<1	<1	<1	<2
Oct-07	2.3	1,200	43	<2.0	--	6.8	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	36	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Oct-06	<2.0	190	28	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	2.8	<2.0	<2.0	<2.0	NA	NA	NA	NA
Oct-05	<2.0	260	38	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	4.8	<2.0	<2.0	<2.0	NA	NA	NA	NA
Oct-04	<2.0	280	37	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	6.3	<8.0	<2.0	<2.0	NA	NA	NA	NA
Oct-03	<5.0	340	56	<5.0	--	6.7	<5.0	<5.0	<5.0	NA	<5.0	<5.0	NA	<5.0	NA	<5.0	<5.0	<5.0	<5.0	<10
Apr-03	<1.0	1,300	47	<1.0	--	52	1.7	1.9	<1.0	NA	<2.0	<2.0	NA	<1.0	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-02	<2.5	400	59	<2.5	--	2.7	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	11	<10	<2.5	<2.5	NA	NA	NA	NA
Jul-02	<25	1,500	47	<25	--	42	<25	<25	<25	ND	<25	<50	<25	ND	<25	<25	NA	NA	NA	NA
Apr-02	<25	1,500	74	<25	--	32	<25	<25	<25	ND	<25	<50	<25	ND	<25	<25	NA	NA	NA	NA
Jan-02	<25	1,800	110	<25	--	45	<25	<25	<25	ND	<25	<50	<25	ND	<25	<25	NA	NA	NA	NA
Oct-01	7.0	1,500	220	2.3	--	49	<1.0	2	<1.0	NA	5.1	<2.0	NA	<1.0	NA	1.4	NA	5.8	<1.0	19.9
Jun-01	<25	1,300	630	<25	--	110	<25	<25	<25	ND	<25	<25	<100	ND	<25	ND	NA	NA	NA	NA
Mar-01	<25	1,800	79	<25	--	52	<25	<25	<25	ND	<25	<25	<100	ND	<25	<25	NA	NA	NA	NA
Jan-01	3.3	3,400	70	2.5	--	20	<1.0	6.6	<1.0	NA	12	<2.0	NA	ND	NA	<1.0	NA	<1.0	<1.0	<2.0
Oct-00	<100	2,700	110	<100	--	<100	<100	<100	<100	<100	ND	ND	380	ND	<100	<100	NA	NA	NA	NA
Oct-99	<100	4,600	<100	<100	--	<100	<100	<100	<100	ND	ND	ND	510	ND	<100	<100	NA	NA	NA	NA
Oct-99 Dup	<100	4,000	<100	<100	--	<100	<100	<100	<100	ND	ND	ND	440	ND	<100	ND	NA	NA	NA	NA
Apr-99	<100	3,600	<100	<100	--	<100	<100	<100	<100	ND	ND	ND	410	ND	<100	<100	NA	NA	NA	NA
Oct-98	<25	1,000	130	<25	--	<25	<25	<25	<25	ND	ND	ND	92	ND	<25	<25	NA	NA	NA	NA
Apr-98 **	<50	3,500	<50	<50	--	<50	<50	<50	<50	ND	ND	ND	320	ND	<50	<50	NA	NA	NA	NA
Oct-97	<100	3,600	<100	<100	--	<100	<100	<100	<100	ND	ND	ND	400	ND	<200	<100	NA	NA	NA	NA
Apr-97	<25	4,000	28	<25	--	34	<25	<25	<25	ND	ND	ND	420	ND	<25	ND	NA	NA	NA	NA
Oct-96	<17	4,000	21	<17	--	34	<17	<17	<17	ND	ND	ND	260	ND	<17	ND	NA	NA	NA	NA
Oct-95	<25	3,100	--	--	<25	<50	<25	<25	<25	ND	ND	ND	280	ND	<25	ND	NA	NA	NA	NA
Aug-95	<40	2,000	--	--	<40	<80	<40	<40	<40	ND	ND	ND	51	ND	<40	ND	NA	NA	NA	NA
Oct-94	<50	3,600	--	--	<50	<50	<50	<50	<50	ND	ND	ND	300	ND	<50	ND	NA	NA	NA	NA
Apr-94	<5.0	7,200	--	--	20	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	200	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<5.0	3,000	--	--	10	<10	<5.0	<5.0	<5.0	ND	ND	ND	180	ND	<5.0	ND	NA	NA	NA	NA
Apr-93	<50	3,400	--	--	<50	<100	<50	<50	<50	ND	ND	ND	210	ND	<50	ND	NA	NA	NA	NA
Oct-92	3.9	8,200	--	--	14	<1.0	1	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<20	2,800	--	--	<20	<20	<20	<20	<20	ND	ND	ND	60	ND	<20	ND	NA	NA	NA	NA
Jan-92	<30	5,200	--	--	<30	<30	<30	<30	<30	ND	ND	ND	120	ND	<30	ND	NA	NA	NA	NA
Oct-91	<20	4,700	--	--	120	<20	<20	<20	<20	ND	ND	ND	200	ND	<20	ND	NA	NA	NA	NA
Jul-91	<20	3,900	--	--	<20	<20	<20	<20	<20	ND	ND	ND	210	ND	<20	ND	NA	NA	NA	NA
Apr-91	<20	2,400	--	--	<20	<20	<20	<20	<20	ND	ND	ND	50	ND	<20	ND	NA	NA	NA	NA
Jan-91	<20	4,000	--	--	<20	<20	<20	<20	<20	ND	ND	ND	220	ND	<20	ND	NA	NA	NA	NA
Oct-90	<20	2,100	--	--	<20	<20	<20	<20	<20	ND	ND	ND	90	ND	<20	ND	NA	NA	NA	NA
Jul-90	<20	3,300	--	--	<20	<20	<20	<20	<20	ND	ND	ND	240	ND	<20	ND	NA	NA	NA	NA
Apr-90	<20	4,900	--	--	<20	<20	<20	<20	<20	ND	ND	ND	370	ND	<20	ND	NA	NA	NA	NA
Jan-90	<20	3,600	--	--	<20	<20	<20	<20	<20	ND	ND	ND	390	ND	<20	ND	NA	NA	NA	NA
Oct-89	<20	3,300	--	--	<20	<20	<20	<20	<20	--	ND	ND	180	ND	<20	--	--	--	--	--
Aug-89	<25	4,300	--	--	<25	<25	25	<25	<25	--	ND	ND	420	ND	<25	--	--	--	--	--
May-89	<25	3,900	--	--	<25	<25	<25	<25	<25	--	ND	ND	270	ND	<25	--	--	--	--	--
May-89	<25	3,500	--	--	<25	<25	<25	<25	<25	--	ND	ND	230	ND	<25	--	--	--	--	--
Feb-89	<25	3,100	--	--	<25	<25	<25	<25	<25	--	ND	ND	220	ND	<25	--	--	--	--	--
Nov-88	65	3,000	--	--	<50	<50	<50	<50	<50	--	ND	ND	440	ND	<50	--	--	--	--	--
Aug-88	<25	3,400	--	--	<25	<25	36	<25	<25	--	ND	ND	400	ND	<25	--	--	--	--	--
Jun-88	<10	5,500	--	--	<10	<10	<10	<10	<10	--	ND	ND	330	ND	<10	--	--	--	--	--
Jan-88	<100	4,400	--	--	<100	<100	<100	<100	<100	--	ND	ND	<100	ND	<100	--	--	--	--	--
Oct-87	<25	3,500	--	--	<25	<25	<25	<25	<25	--	ND	ND	240	ND	<25	--	--	--	--	--
Jul-87	<25	4,200	--	--	<25	<25	<25	<25	<25	--	ND	ND	220	ND	<25	--	--	--	--	--
Jan-87	<10	3,300	--	--	<10	<10	<10	<10	<10	--	ND	ND	170	ND	<10	--	--	--	--	--
Jul-86	<10	2,000	--	--	<10	<10	<10	<10	<10	--	ND	ND	650	ND	<10	--	--	--	--	--
Apr-86	<2.0	1,200	--	--	<2	<2.0	<2.0	<2.0	<2.0	--	ND	ND	<2.0	ND	<2.0	--	--	--	--	--
Mar-86	49	4,200	--	--	<25	<25	<25	<25	<25	--	ND	ND	NA	ND	<25	--	--	--	--	--
Mar-86	<25	5,500	--	--	<25	<25	<25	<25	<25	--	ND	ND	NA	ND	<25	--	--	--	--	--
Oct-85	<25	4,200	--	--	31	<25	<25	<25	<25	--	ND	ND	950	ND	<25	--	--	--	--	--
Nov-84	8.4	4,400	--	--	13	NA	<1.0	NA	NA	--	ND	ND	NA	ND	NA	--	--	--	--	--
Aug-84	7.2	760	--	--	3	NA	<0.1	<0.1	NA	--	ND	ND	39	ND	NA	--	--	--	--	--
Aug-84	10	2,300	--	--	12	ND	ND	6	ND	--	ND	ND	1,000	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-9C ZB2																				
Oct-14	<0.50	<0.50	0.54	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	--	--	--	--
Oct-13	<0.50	<0.50	0.36 J	<0.50		<0.50	<0.50	<0.50	<0.50		<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	NA	NA	NA	NA
Oct-12	<0.50	5	3.7	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.0	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	<0.50	0.98	2.1	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	78	57	2.2	--	2.8	<0.50	1.7	<0.50	<0.50	<1.0	<0.50	0.63	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<0.5	43	17	0.6	--	0.66	<0.5	0.82	<0.5	<0.5	<1	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1
Oct-07	<0.5	88	36	1.4	--	1.6	<0.5	1.7	<0.5	<0.5	<1.0	<0.5	1.1	<1.0	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
Oct-06	<0.5	0.88	0.54	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
Oct-05	<0.5	1.7	1.4	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
Oct-04	<0.5	6.1	2.9	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<1.0	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-03	<2.5	83	59	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<2.5	<10	<2.5	<2.5	NA	NA	NA	NA
Oct-02	<0.5	3.1	2.4	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-01	<5.0	94	65	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<10	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-00	<3.0	66	43	<3.0	--	<3.0	<3.0	<3.0	<3.0	<3.0	ND	ND	<3.0	ND	<3.0	<3.0	NA	NA	NA	NA
Oct-99	<1.0	3.9	1.9	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-99 Dup	<1.0	4.0	1.7	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-98	<1.0	2.4	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-97	<0.5	2.9	0.9	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<1.0	ND	NA	NA	NA	NA
Oct-96	<0.5	25	3.8	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	8.6	--	--	1.8	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<0.5	12	--	--	2	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-93	<0.5	66	--	--	13	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	4.9	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	8	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-91	<0.5	51	--	--	1	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	18	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	<0.5	81	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	9.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	<0.5	73	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	9.8	ND	<0.5	ND	NA	NA	NA	NA
Aug-89	<1.0	190	--	--	1	<1.0	<1.0	<1.0	<1.0	--	--	--	33	ND	<1.0	--	--	--	--	--
May-88	<2.5	470	--	--	<2.5	<2.5	<2.5	<2.5	<2.5	--	--	--	160	ND	<2.5	--	--	--	--	--
Jan-88	<5.0	330	--	--	<5.0	<5.0	7.5	<5.0	<5.0	--	--	--	280	ND	<5.0	--	--	--	--	--
Jul-86	<0.5	9.2	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	32	ND	<0.5	--	--	--	--	--
Apr-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	NA	ND	<0.5	--	--	--	--	--
Oct-85	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-85	<0.5	<0.5	--	--	<0.5	NA	<0.5	NA	NA	--	--	--	<0.5	ND	NA	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-10C ZB2																				
Oct-14	<10	1300	76	<10	--	<10	<10	<10	<10	<10	<20	<10	170	<20	<10	<10	--	--	--	--
Oct-13	<10	1100	58	<10		<10	<10	<10	<10		<20	<10	170	<20	<10	<10	NA	NA	NA	NA
Oct-12	<5.0	1,200	83			<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	160	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-11	<5.0	890	88	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	160	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10
Oct-10	<0.50	790	61	2.2	--	2.5	<0.50	2.4	<0.50	<0.50	<1.0	<0.50	120	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	3.0	350	4.0	--	14	<0.50	2.4	<0.50	<0.50	<1.0	<0.50	57	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<50	1,900	68	<50	--	<50	<50	<50	<50	<50	<100	<50	450	<100	<50	<50	<50	<50	<50	<100
Oct-07	2.5	4,500	100	6.5	--	6.8	<2.5	7.1	<2.5	<2.5	<2.5	<2.5	570	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-06	<2.5	340	14	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	70	<2.5	<2.5	<2.5	NA	NA	NA	NA
Oct-05	<5.0	710	28	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	110	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-04	<2.0	270	10	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	39	<8.0	<2.0	<2.0	NA	NA	NA	NA
Oct-03	<5.0	290	9.8	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	40	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-02	<2.5	390	18	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	61	<10	<2.5	<2.5	NA	NA	NA	NA
Oct-01	<50	1,600	180	<50	--	<50	<50	<50	<50	<50	<50	100	780	<200	<50	<50	NA	NA	NA	NA
Oct-00	<40	440	58	<40	--	<40	<40	<40	<40	<40	ND	ND	<40	ND	<40	<40	NA	NA	NA	NA
Oct-99	<2.0	110	20	<2.0	--	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	11	ND	<2.0	ND	NA	NA	NA	NA
Oct-98	<5.0	130	12	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	9.7	ND	<5.0	ND	NA	NA	NA	NA
Oct-97	<2.5	57	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5	ND	ND	ND	<2.5	ND	<5.0	ND	NA	NA	NA	NA
Oct-96	<0.5	46	1.6	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	0.8	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	38	--	--	3.2	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<25	200	--	--	<25	<25	<25	<25	<25	ND	ND	ND	<25	ND	<25	ND	NA	NA	NA	NA
Oct-93	<0.5	260	--	--	0.9	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	250	--	--	0.8	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	290	--	--	0.9	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	97	--	--	1.1	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	8.3	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	3.0	2,300	--	--	6.5	<0.5	4.5	79	0.6	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<20	4,400	--	--	<20	<20	<20	<20	<20	ND	ND	ND	<20	ND	<20	ND	NA	NA	NA	NA
Jan-92	<30	2,900	--	--	<30	<30	<30	<30	<30	ND	ND	ND	90	ND	<30	ND	NA	NA	NA	NA
Oct-91	<50	5,900	--	--	<50	<50	<50	<50	<50	ND	ND	ND	<50	ND	<50	ND	NA	NA	NA	NA
Oct-91	<20	2,700	--	--	<20	<20	<20	<20	<20	ND	ND	ND	110	ND	<20	ND	NA	NA	NA	NA
Oct-91	<10	4,100	--	--	<10	<20	<10	<10	<10	ND	ND	ND	180	ND	<10	ND	NA	NA	NA	NA
Jul-91	<50	7,000	--	--	<50	<50	<50	<50	<50	ND	ND	ND	220	ND	<50	ND	NA	NA	NA	NA
Jul-91	<50	6,800	--	--	<50	<50	<50	<50	<50	ND	ND	ND	360	ND	<50	ND	NA	NA	NA	NA
Jul-91	<50	5,400	--	--	<50	<100	<50	<50	<50	ND	ND	ND	200	ND	<50	ND	NA	NA	NA	NA
Apr-91	1	2,200	--	--	5.5	<1.0	6.0	16	1.4	ND	ND	ND	170	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	<50	5,200	--	--	<50	<50	<50	<50	<50	ND	ND	ND	340	ND	<50	ND	NA	NA	NA	NA
Apr-91	<50	3,500	--	--	<50	<50	<50	<50	<50	ND	ND	ND	210	ND	<50	ND	NA	NA	NA	NA
Jan-91	<20	4,100	--	--	<20	<20	<20	40	<20	ND	ND	ND	150	ND	<20	ND	NA	NA	NA	NA
Jan-91	<20	4,000	--	--	<20	<20	<20	70	<20	ND	ND	ND	160	ND	<20	ND	NA	NA	NA	NA
Jan-91	<25	3,000	--	--	<25	<50	27	41	<25	ND	ND	ND	270	ND	<25	ND	NA	NA	NA	NA
Oct-90	<20	4,200	--	--	<20	<20	<20	<20	<20	ND	ND	ND	550	ND	<20	ND	NA	NA	NA	NA
Jul-90	<20	4,600	--	--	<20	<20	<20	<20	<20	ND	ND	ND	490	ND	<20	ND	NA	NA	NA	NA
Jul-90	<200	6,800	--	--	<200	<400	<200	<200	<200	ND	ND	ND	860	ND	<200	ND	NA	NA	NA	NA
Apr-90	<100	11,000	--	--	<100	<100	<100	<100	<100	ND	ND	ND	670	ND	<100	ND	NA	NA	NA	NA
Apr-90	<100	11,000	--	--	<100	<100	<100	<100	<100	ND	ND	ND	600	ND	<100	ND	NA	NA	NA	NA
Apr-90	<25	7,500	--	--	<25	<50	55	45	<25	ND	ND	ND	1,100	ND	<25	ND	NA	NA	NA	NA
Jan-90	<100	16,000	--	--	<100	<100	<100	<100	<100	ND	ND	ND	1,800	ND	<100	ND	NA	NA	NA	NA
Jan-90	<100	15,000	--	--	<100	<100	<100	<100	<100	ND	ND	ND	1,600	ND	<100	ND	NA	NA	NA	NA
Jan-90	<20	15,000	--	--	<20	<20	<90	<20	<20	ND	ND	ND	1,600	ND	<20	ND	NA	NA	NA	NA
Oct-89	<50	13,000	--	--	<50	<50	<50	<50	<50	--	ND	--	3,400	ND	<50	--	--	--	--	--
Aug-89	<50	13,000	--	--	<50	<50	200	<50	<50	--	ND	--	1,500	ND	<50	--	--	--	--	--
May-89	13	14,000	--	--	10.3	<0.2	320	80	10	--	ND	--	1,900	ND	<0.2	--	--	--	--	--
May-89	<50	13,000	--	--	<50	<50	250	<50	<50	--	ND	--	1,700	ND	<50	--	--	--	--	--
Feb-89	<250	9,300	--	--	<250	<250	<250	<250	<250	--	ND	--	550	ND	<250	--	--	--	--	--
Nov-88	<50	12,000	--	--	<50	<50	200	50	<50	--	ND	--	1,400	ND	<50	--	--	--	--	--
Aug-88	<100	16,000	--	--	<100	<100	300	<100	<100	--	ND	--	2,300	ND	<100	--	--	--	--	--
May-88	<50	7,100	--	--	<50	<50	100	<50	<50	--	ND	--	640	ND	<50	--	--	--	--	--
Jan-88	<100	10,000	--	--	<100	<100	<100	<100	<100	--	ND	--	3,200	ND	<100	--	--	--	--	--
Oct-87	<50	6,700	--	--	<50	<50	60	<50	<50	--	ND	--	1,700	ND	<50	--	--	--	--	--
Jun-87	<25	4,200	--	--	<25	<25	<25	<25	<25	--	ND	--	460	ND	<25	--	--	--	--	--
Apr-87	<10	2,000	--	--	<10	<10	<10	66	<10	--	ND	--	360	ND	<10	--	--	--	--	--
Jan-87	<50	9,500	--	--	<50	<50	<50	<50	<50	--	ND	--	700	ND	<50	--	--	--	--	--
Sep-86	130	3,600	--	--	<25	<25	<25	<25	<25	--	ND	--	1,100	ND	<25	--	--	--	--	--
Jul-86	<1.0	6,800	--	--	<1.0	<1.0	44	54	<1.0	--	ND	--	1,600	ND	<1.0	--	--	--	--	--
Jul-86	<25	5,400	--	--	<25	<25	<25	<25	<25	--	ND	--	2,700	ND	<25	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-11C ZB2																				
Oct-14	<2.5	310	23	<2.5	--	3.6	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	15	<5.0	<2.5	<2.5	--	--	--	--
Oct-13	<2.5	460	35	0.68 J		4.8	<2.5	2.4 J	<2.5		<5.0	<2.5	22	<5.0	<2.5	<2.5	NA	NA	NA	NA
Oct-12	<2.5	290	26	<2.5		5.2	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	17	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-11	<2.5	310	22	<2.5	--	6.4	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	16	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-10	<0.50	250	16	<0.50	--	3.7	<0.50	1.1	<0.50	<0.50	<1.0	<0.50	5.5	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	1.7	3.9	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<0.5	18	1.2	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	0.60	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<1
Oct-07	<2.5	290	20	<2.5	--	11	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	14	<5.0	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0
Oct-06	<2.5	330	22	<2.5	--	11	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	13	<2.5	<2.5	<2.5	NA	NA	NA	NA
Oct-05	<0.5	28	1.6	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	0.8	<0.5	<0.5	<0.5	NA	NA	NA	NA
Oct-04	<0.5	27	1.2	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-03	<0.5	17	0.53	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	<0.5	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-02	<2.5	63	2.6	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<5.0	<2.5	<10	<2.5	<2.5	NA	NA	NA	NA
Oct-01	<5.0	300	5.7	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	10	<5.0	<5.0	<5.0	NA	NA	NA	NA
Oct-00	<30	320	<30	<30	--	<30	<30	<30	<30	<30	ND	ND	<30	ND	<30	<30	NA	NA	NA	NA
Oct-99	<5.0	290	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-98	<10	270	<10	<10	--	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Oct-98 Dup	<2.0	160	<2.0	<2.0	--	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	4.4	ND	<2.0	ND	NA	NA	NA	NA
Oct-97	<1.0	36	2.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<2.0	ND	NA	NA	NA	NA
Oct-96	<0.5	37	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	1.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	54	--	--	<1.0	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	2.1	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	110	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<0.5	210	--	--	2.3	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	7.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	150	--	--	9.3	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<10	1,500	--	--	<10	<10	<10	<10	<10	ND	ND	ND	<10	ND	<10	ND	NA	NA	NA	NA
Jan-92	<5.0	1,000	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	67	ND	<5.0	ND	NA	NA	NA	NA
Oct-91	<5.0	960	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	28	ND	<5.0	ND	NA	NA	NA	NA
Jul-91	<2.0	800	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	42	ND	<2.0	ND	NA	NA	NA	NA
Apr-91	<2.0	270	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	18	ND	<2.0	ND	NA	NA	NA	NA
Jan-91	<2.0	290	--	--	4.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	10	ND	<2.0	ND	NA	NA	NA	NA
Oct-90	<2.0	330	--	--	16	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	16	ND	<2.0	ND	NA	NA	NA	NA
Jul-90	<5.0	330	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	7.0	ND	<5.0	ND	NA	NA	NA	NA
Apr-90	<5.0	570	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	13	ND	<5.0	ND	NA	NA	NA	NA
Jan-90	<2.0	410	--	--	5.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	15	ND	<2.0	ND	NA	NA	NA	NA
Oct-89	<1.0	500	--	--	40	<1.0	<1.0	<1.0	<1.0	--	ND	--	70	ND	<1.0	--	--	--	--	--
Aug-89	<2.0	680	--	--	72	<2.0	<2.0	<2.0	<2.0	--	ND	--	47	ND	<2.0	--	--	--	--	--
May-89	<2.5	560	--	--	23	<2.5	<2.5	<2.5	<2.5	--	ND	--	49	ND	<2.5	--	--	--	--	--
Feb-89	<25	780	--	--	<25	<25	<25	<25	<25	--	ND	--	42	ND	<25	--	--	--	--	--
Nov-88	<10	740	--	--	<10	<10	<10	<10	<10	--	ND	--	100	ND	<10	--	--	--	--	--
Aug-88	<25	1,800	--	--	87	<25	<25	<25	<25	--	ND	--	230	ND	<25	--	--	--	--	--
May-88	<5.0	1,100	--	--	40	<5.0	<5.0	<5.0	<5.0	--	ND	--	120	ND	<5.0	--	--	--	--	--
Jan-88	<25	2,200	--	--	<25	<25	<25	<25	<25	--	ND	--	430	ND	<25	--	--	--	--	--
Oct-87	<10	1,900	--	--	<10	<10	<10	<10	<10	--	ND	--	140	ND	<10	--	--	--	--	--
Jun-87	<10	2,900	--	--	<10	<10	<10	<10	<10	--	ND	--	230	ND	<10	--	--	--	--	--
Apr-87	11	1,600	--	--	87	<10	<10	12	<10	--	ND	--	210	ND	<10	--	--	--	--	--
Jan-87	<10	2,200	--	--	<10	<10	<10	<10	<10	--	ND	--	260	ND	<10	--	--	--	--	--
Sep-86	62	3,100	--	--	<25	<25	<25	<25	<25	--	ND	--	660	ND	<25	--	--	--	--	--
Jul-86	<1.0	1,800	--	--	<1.0	<1.0	9.7	3.2	<1.0	--	ND	--	710	ND	<1.0	--	--	--	--	--
Jul-86	<25	4,600	--	--	<25	<25	<25	<25	<25	--	ND	--	2,000	ND	<25	--	--	--	--	--
T-12C ZB2																				
Oct-14	<1.0	140	5.1	<1.0	--	<1.0	<1.0	1.2	<1.0	<1.0	<2.0	<1.0	1.8	<2.0	<1.0	<1.0	--	--	--	--
Oct-13	<0.50	140	85	1.5		4.7	<0.50	2.3	<0.50		<1.0	0.23 J	2.7	<1.0	<0.50	<0.50	NA	NA	NA	NA
Oct-12	<0.50	9.3	11	<0.50		<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-11	<0.50	7.6	8.7	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-10	<0.50	6.3	4.2	<0.50	--	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-09	<0.50	170	53	1.2	--	3.8	<0.50	1.7	<0.50	<0.50	<1.0	<0.50	3.4	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0
Oct-08	<2	170	65	<2	--	4.7	<2	<2	<2	<2	<4	<2	3.7	<4	<2	<2	<2	<2	<2	<4
Oct-07	<2.0	210	19	<2.0	--	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<2.0	5.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Oct-06	<2.0	210	37	<2.0	--	3.1	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	5.7	<2.0	<2.0	<2.0	NA	NA	NA	NA
Oct-05	<2.0	180	39	<2.0	--	4.3	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	5.4	<2.0	<2.0	<2.0	NA	NA	NA	NA
Oct-04	<2.0	240	50	<2.0	--	4.2	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	7.6	<8.0	<2.0	<2.0	NA	NA	NA	NA
Oct-03	<5.0	210	61	<5.0	--	6.2	<5.0	<5.0	<5.0	<5.0	<10	<10	7.8	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-02	<1.0	180	17	1.4	--	1.9	<1.0	1.7	<1.0	<1.0	<2.0	<2.0	2.6	<4.0	<1.0	<1.0	NA	NA	NA	NA
Oct-01	<5.0	150	14	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<20	<20	<5.0	<5.0	NA	NA	NA	NA
Oct-00	<10	160	14	<10	--	<10	<10	<10	<10	<10	ND	ND	<10	ND	<10	<10	NA	NA	NA	NA
Oct-99	<2.0	130	18	<2.0	--	2.6	<2.0	<2.0	<2.0	ND	ND	ND	2.7	ND	<2.0	ND	NA	NA	NA	NA
Oct-98	<5.0	140	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-98 Dup	<2.0	110	5.6	<2.0	--	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	2.2	ND	<2.0	ND	NA	NA	NA	NA
Oct-97	<2.5	150	<2.5	<2.5	--	<2.5	<2.5	<2.5	<2.5	ND	ND	ND	<2.5	ND	<5.0	ND	NA	NA	NA	NA
Oct-96	<0.5	120	2.4	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	2.8	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	100	--	--	110	5.7	<1.0	<1.0	<1.0	ND	ND	ND	5.7	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<5.0	130	--	--	<5.0	<5.0	<5.0	<5.0	<5.0	ND	ND	ND	<5.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-93	<5.0	210	--	--	<5.0	<10	<5.0	<5.0	<5.0	ND	ND	ND	6.0	ND	<5.0	ND	NA	NA	NA	NA
Oct-92	<0.5	130	--	--	2.0	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<2.0	430	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	<2.0	ND	<2.0	ND	NA	NA	NA	NA
Jan-92	<3.0	410	--	--	<3.0	<3.0	<3.0	<3.0	<3.0	ND	ND	ND	10	ND	<3.0	ND	NA	NA	NA	NA
Oct-91	<1.0	250	--	--	10	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	11	ND	<1.0	ND	NA	NA	NA	NA
Jul-91	<1.0	240	--	--	19	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	16	ND	<1.0	ND	NA	NA	NA	NA

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-12C ZB2 (continued)																				
Apr-91	<2.0	290	--	--	6.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	7.0	ND	<2.0	ND	NA	NA	NA	NA
Jan-91	<2.0	290	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	4.0	ND	<2.0	ND	NA	NA	NA	NA
Oct-90	<2.0	350	--	--	2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	14	ND	<2.0	ND	NA	NA	NA	NA
Jul-90	<2.0	460	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	13	ND	<2.0	ND	NA	NA	NA	NA
Apr-90	<2.0	390	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	9.0	ND	<2.0	ND	NA	NA	NA	NA
Jan-90	<2.0	440	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	ND	ND	ND	21	ND	<2.0	ND	NA	NA	NA	NA
Oct-89	<2.0	410	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	--	ND	--	17	ND	<2.0	--	--	--	--	--
Aug-89	<2.0	350	--	--	<2.0	<2.0	<2.0	<2.0	<2.0	--	ND	--	17	ND	<2.0	--	--	--	--	--
Aug-89	<10	260	--	--	<10	<20	<10	<10	<10	--	ND	--	NA	ND	NA	--	--	--	--	--
36DD ZB2																				
Oct-13	<0.5	<0.5	11	0.9	--	1.3	NA	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-12	<0.5	3.2	24	1.8	--	3.3	NA	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-11	<0.5	2.6	10	1.9	--	5.5	NA	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-10+	<0.5	<0.5	14	0.7	--	2.2	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-09+	<0.5	1.3	35	1.8	--	2.5	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-08+	<0.5	1.6	24	1.1	--	1.6	<0.5	<0.5	<0.5	NA	NA	NA	<2.0	NA	<0.5	NA	NA	NA	NA	NA
Oct-07+	<0.5	1.5	22	0.8	--	3.6	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-06+	<0.5	0.8	22	1.2	--	6.2	<0.5	<0.5	0.5	ND	ND	ND	<0.5	ND	<0.5	<0.5	NA	NA	NA	NA
Oct-05+	<0.5	<0.5	73	2.5	--	12	<0.5	0.5	0.7	ND	ND	ND	<1.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-04+	<0.5	0.5	31	2.2	--	4.5	<0.5	<0.5	0.5	ND	ND	ND	<1.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-03+	<0.5	1.2	29	1.9	--	4.6	<0.5	<0.5	<0.5	ND	ND	ND	<1.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-02+	<0.5	8.1	130	2.2	--	1.3	<0.5	0.7	1.0	ND	ND	ND	<1.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-01+	<0.5	11	110	1.6	--	<0.5	<0.5	0.8	1.1	ND	ND	ND	<1.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-00+	<0.5	6.4	100	1.4	--	<1.0	<0.5	<0.5	1.0	ND	ND	ND	<1.0	ND	<0.5	ND	NA	NA	NA	NA
Apr-98+	<1.2	11	42	<1.2	--	<1.2	NA	<1.2	<1.2	ND	ND	ND	<5.0	ND	<1.2	ND	NA	NA	NA	NA
Oct-99	<1.0	10	77	1.2	--	<1.0	<1.0	<1.0	1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-97+	<0.5	13	49	1.1	--	<0.5	<0.5	0.5	0.7	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-96	<0.5	22	29	1.4	--	<0.5	<0.5	<0.5	0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	42	--	--	15.1	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<0.5	58	--	--	12	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-93	<0.5	38	--	--	8.7	<1.0	<0.5	<0.5	0.6	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	29	--	--	5.8	<1.0	<0.5	<0.5	0.6	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<0.5	45	--	--	11	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-92	<0.5	37	--	--	23	<0.5	<0.5	<0.5	0.9	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-91	<0.5	36	--	--	21	<0.5	<0.5	<0.5	0.8	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-91	<0.5	29	--	--	22	<0.5	<0.5	<0.5	0.8	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	<0.5	27	--	--	18	<0.5	<0.5	<0.5	0.6	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-91	<0.5	26	--	--	16	<0.5	<0.5	<0.5	0.6	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	<0.5	1,100	--	--	16	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-90	<0.5	28	--	--	14	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-90	<0.5	35	--	--	15	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-90	<0.5	57	--	--	20	<0.5	<0.5	<0.5	0.7	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-89	<0.5	62	--	--	13	<0.5	<0.5	0.5	1.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Aug-89	<0.5	70	--	--	21	<0.5	<0.5	1.5	3.1	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
May-89	<0.5	68	--	--	18	<0.5	1.1	1	2	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Feb-89	<5.0	72	--	--	16	<5.0	<5.0	<5.0	<5.0	--	ND	--	<5.0	ND	<5.0	--	--	--	--	--
Nov-88	<5.0	85	--	--	25	<5.0	<5.0	<5.0	<5.0	--	ND	--	<5.0	ND	<5.0	--	--	--	--	--
Aug-88	<1.0	72	--	--	43	<1.0	1.6	1.4	3.7	--	ND	--	4.7	ND	<1.0	--	--	--	--	--
May-88	<0.5	68	--	--	40	<0.5	1.5	1.6	5.0	--	ND	--	2.6	ND	<0.5	--	--	--	--	--
Jan-88	<0.5	38	--	--	25	<0.5	1.0	<0.5	3.4	--	ND	--	1.9	ND	<0.5	--	--	--	--	--
Oct-87	<0.5	40	--	--	30	<0.5	1.4	0.7	3.0	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jun-87	<0.5	32	--	--	38	<0.5	<0.5	<0.5	1.8	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Apr-87	<0.5	53	--	--	45	<0.5	2.8	1.3	2.2	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-87	<0.5	26	--	--	16	<0.5	<0.5	<0.5	2.3	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Sep-86	<0.5	20	--	--	23	<0.5	<0.5	<0.5	1.8	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jul-86	<0.5	27	--	--	22	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Apr-86	<0.5	27	--	--	2.4	<0.5	<0.5	<0.5	1.8	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Jan-86	<0.5	31	--	--	24	<0.5	<0.5	<0.5	<0.5	--	ND	--	NA	ND	<0.5	--	--	--	--	--
Oct-85	<0.5	8.6	--	--	17	<0.5	<0.5	<0.5	<0.5	--	ND	--	<0.5	ND	<0.5	--	--	--	--	--
Nov-84	<0.5	5.1	--	--	6.3	NA	<0.5	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Mar-84	NA	11	--	--	NA	NA	NA	NA	NA	--	ND	--	NA	ND	NA	--	--	--	--	--
Aug-83	<1.0	12	--	--	1.7	ND	<1.0	<1.0	<1.0	--	ND	--	<1.0	ND	ND	--	--	--	--	--
May-83	ND	990	--	--	120	ND	ND	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--
Apr-83	20	18	--	--	2	ND	18	ND	ND	--	ND	--	ND	ND	ND	--	--	--	--	--

Historic Groundwater Volatile Organic Compound Results
Former TRW Microwave Site
825 Stewart Drive, Sunnyvale, California

Well Number/ Dates	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Total 1,2-DCE (µg/L)	VC (µg/L)	1,1,1-TCA (µg/L)	1,1-DCE (µg/L)	1,1-DCA (µg/L)	CDM (µg/L)	Freon 11 (µg/L)	Freon 12 (µg/L)	Freon 113 (µg/L)	BFM (µg/L)	1,2-DCB (µg/L)	CBN (µg/L)	BEN (µg/L)	EBN (µg/L)	TOL (µg/L)	XYL (µg/L)
Drinking Water Standard	5	5	6	10	6	0.5	200	6	5	100	150	NE	1200	100	600	70	1	300	150	1750
T-8D ZB4																				
Per Water Board approval, groundwater sampling of well T-8D was suspended in 2002.																				
Oct-01	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<2.0	<2.0	<0.5	<0.5	NA	NA	NA	NA
Oct-00	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	ND	ND	<1.0	ND	<1.0	<1.0	NA	NA	NA	NA
Oct-99	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Apr-99	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-98	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Apr-98	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<2.0	ND	<0.5	ND	NA	NA	NA	NA
Oct-97	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<1.0	ND	NA	NA	NA	NA
Apr-97	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-96	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-96	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-95	<1.0	<1.0	--	--	<1.0	<2.0	<1.0	<1.0	<1.0	ND	ND	ND	<1.0	ND	<1.0	ND	NA	NA	NA	NA
Oct-94	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-94	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-93	<0.5	<0.5	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-93	<0.5	<0.5	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	NA	ND	<0.5	ND	NA	NA	NA	NA
Oct-92	<0.5	<0.5	--	--	<0.5	<1.0	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-92	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-92	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-91	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jul-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Apr-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Jan-90	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	ND	ND	ND	<0.5	ND	<0.5	ND	NA	NA	NA	NA
Oct-89	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Aug-89	<1.0	<1.0	--	--	<1.0	<1.0	<1.0	<1.0	<1.0	--	ND	ND	<1.0	ND	<1.0	--	--	--	--	--
May-89	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Feb-89	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Nov-88	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Aug-88	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
May-88	<0.5	0.6	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Jan-88	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Oct-87	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Sep-86	<0.5	2.3	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Jul-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Apr-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	<0.5	ND	<0.5	--	--	--	--	--
Jan-86	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	NA	ND	<0.5	--	--	--	--	--
Oct-85	<0.5	1.1	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	ND	ND	55	ND	<0.5	--	--	--	--	--
Dec-84	<0.5	<0.5	--	--	<0.5	NA	<0.5	NA	NA	--	ND	ND	<0.5	ND	NA	--	--	--	--	--

Notes:
Drinking water standards are Maximum Contaminant Levels (MCLs) as established by the California Department of Health Services, or if no California MCLs have been established, then USEPA MCLs were used.

-- = Data reported as total 1,2-DCE prior to 1996.
^ = Data not previously reported due to low levels.
< = Not detected at the detection limit shown.
+ = Data provided by AMD.
** = Well resampled in July 1998 due to potential labeling error.
B = Compound was found in the blank and sample.
NA = Not Analyzed
ND = Not Detected
NE = Not Established
µg/L = microgram per liter
Water Board = California Regional Water Quality Control Board - San Francisco Bay Region
(1) - Initial results of 268 µg/L for cis-1,2-DCE was higher than standard of 200 µg/L. When rerun with dilution of 50, the result was <250 µg/L. Initial result reported in table.

1,1,1-TCA = 1,1,1-trichloroethane
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
1,2-DCB = 1,2-dichlorobenzene
1,2-DCE = 1,2-dichloroethene
BEN = Benzene
BFM = Bromoform
CBN = Chlorobenzene
CDM = Chlorodibromomethane

EBN = Ethylbenzene
Freon 11 = Trichlorofluoromethane
Freon 12 = Dichlorodifluoromethane
Freon 113 = 1,1,2-trichloro-1,2,2-trifluoroethane
PCE = Tetrachloroethene
TCE = Trichloroethene
TOL = Toluene
VC = Vinyl Chloride
XYL = Total Xylenes

APPENDIX B

Appendix B

Table 14. TRW Maximum 2013 Annual Groundwater Concentration by Aquifer Zone and Location

COC	Cleanup Level (µg/L)	Up-gradient			Former source area				Down-gradient		
		A	B1	B2	Eductor	A	B1	B2	A	B1	B2
1,1-DCA	5	ND	0.56	ND	ND	ND	1	ND	0.78	0.43 J	ND
1,2-DCB	600	ND	2.2	ND	**1800**	19	10	ND	0.35 J	ND	ND
cDCE	6	**81**	**73**	**11**	**160,000**	**340**	**140**	**44**	**150**	**830**	**85**
tDCE	10	1.8 J	1.8 J	0.9	ND	**86**	1.6	ND	**12**	8.8	1.5
1,1-DCE	6	ND	2.3 J	ND	ND	0.70 J	ND	ND	0.7	3.3 J	2.4 J
Freon 113	1200	ND	190	ND	ND	0.61 J	ND	ND	1.4	1.5 J	170
PCE	5	2.3	4.8 J	ND	ND	1.9	ND	ND	2	2.2 J	ND
TCE	5	**250**	**1500**	ND	**8800**	**250**	ND	**110**	**110**	**410**	**1100**
1,1,1-TCA	200	0.5	0.59	ND	ND	ND	ND	ND	0.35 J	ND	ND
Vinyl chloride	0.5	ND	0.39 J	**1.3**	**1800**	**430**	**150**	ND	**42**	**17**	**4.8**

Notes. J = estimated value. All concentrations are in µg/L. **Bold** values indicate maximum concentrations that exceed the cleanup level. Only wells sampled annually were evaluated.

Source: Fourth Five-Year Review Report for Advanced Micro Devices #901/902 and TRW Microwave, Superfund Sites (USACE, 2014).